



# 5. Ratchets/Sockets

## ► 1/4" "Radio" range

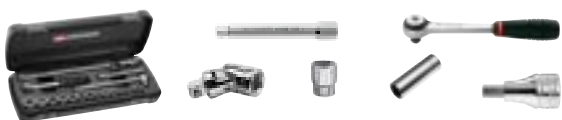
174



|                                   |     |
|-----------------------------------|-----|
| 1/4" socket sets .....            | 174 |
| 1/4" ratchets.....                | 180 |
| 1/4" accessories .....            | 182 |
| 1/4" OGV sockets .....            | 186 |
| 1/4" long-reach OGV sockets ..... | 187 |
| 1/4" Torx sockets .....           | 188 |
| 1/4" bits.....                    | 189 |

## ► 3/8" "Junior" range

190



|                                   |     |
|-----------------------------------|-----|
| 3/8" socket sets .....            | 190 |
| 3/8" ratchets.....                | 194 |
| 3/8" accessories .....            | 196 |
| 3/8" OGV sockets .....            | 200 |
| 3/8" long-reach OGV sockets ..... | 201 |
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## ► CDX range

204



|                       |     |
|-----------------------|-----|
| CDX socket sets ..... | 204 |
| CDX ratchets .....    | 207 |
| CDX accessories.....  | 207 |
| CDX OGV sockets.....  | 209 |
| CDX bits .....        | 209 |

## ► "Standard" 1/2" range

210



|                                   |     |
|-----------------------------------|-----|
| 1/2" socket sets .....            | 210 |
| 1/2" ratchets.....                | 218 |
| 1/2" accessories .....            | 220 |
| 1/2" OGV sockets .....            | 224 |
| 1/2" long-reach OGV sockets ..... | 225 |
| 1/2" Torx sockets.....            | 226 |
| 1/2" bits .....                   | 227 |

## ► 3/4" "Truck" range

230



|                                  |     |
|----------------------------------|-----|
| 3/4" socket sets .....           | 230 |
| 3/4" ratchets.....               | 233 |
| 3/4" accessories .....           | 235 |
| 3/4" OGV sockets .....           | 237 |
| 3/4" long-reach OGV sockets..... | 238 |
| 3/4" bits .....                  | 238 |

## ► 1" "Mammoth" range

239



|                                 |     |
|---------------------------------|-----|
| 1" metric socket sets .....     | 239 |
| 1" ratchet and accessories..... | 240 |
| 1" sockets .....                | 241 |

## ► Impact range

243



|                                                     |     |
|-----------------------------------------------------|-----|
| 3/8" impact series sockets and accessories .....    | 244 |
| 1/2" impact series sockets and accessories .....    | 246 |
| 3/4" impact series sockets and accessories .....    | 252 |
| 1" impact series sockets and accessories .....      | 254 |
| 1" 1/2" impact series sockets and accessories ..... | 257 |

## ► Dynapact manual impact wrench

259



366



Impact screwdriver





**NEW****Compact multi-service set.**

## *Essential torquing and screw-driving tool set with a foam tray*

### **Advantages**

- ▶ High density foam resists crushing and hydrocarbons
- ▶ Visual identification of missing tools
- ▶ Tools more securely held

**N** 174**NEW**

## **3/8" "locking" ratchets**

### *The Facom locking system*

### **Advantages**

- ▶ High pull-off resistance, no more lost sockets
- ▶ Easy release, even with slippery hands
- ▶ Low return torque

**N** 194

## Instant identification

### Advantages

- ▶ Saves time
- ▶ Compatible with 6 and 12-point sockets
- ▶ Resistant to abrasion, lubricants, etc.



N 170



## 3/4" ratchet

## NEW

## A heavy duty ratchet for any job and any situation

### Advantages

- ▶ Durable: mechanism protected against ingress of external elements
- ▶ Easy to use
- ▶ Safe: plunger ratchet/socket/ accessory locking system



N 234





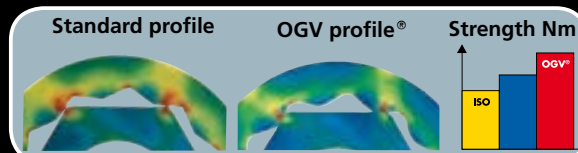


## Facom OGV® profile

### HIGHER TORQUE WITHOUT DAMAGE TO FASTENERS !

The OGV® profile is achieved by a succession of curves instead of the flats found in conventional sockets®.

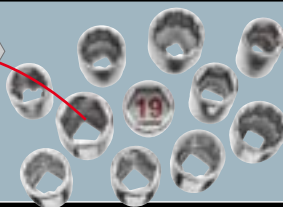
- **More powerful tightening :**  
Larger contact area between socket and fastener minimises stress.
- **Less wear :**  
Torque is transmitted through the fastener flats instead of the corners.
- **Increased durability :**  
Stress concentration in the corners is eliminated.



### TAG socket inserts

- Immediately identify your sockets.
- 6- or 12 point sockets.

⇒ TAG



## Choosing your socket

### 1. Choose the size

Nut sizes may be metric or in inches.

mm ?    inch ?



### 2. Standard or long-reach socket ?

- The standard socket



overcomes the problem of protruding threaded rods or difficulty of access with an extension.

### 3. 6-point or 12-point socket ?



6

- securely grips the nut.
- limits slippage in particular on damaged nuts.



12

- allows a more instinctive placement on the nut.
- is used for tightening 12 point nuts.

# Facom socket range



## Premium service : a wide range of sockets

### • Service :

The FACOM range includes over 1500 different ratchets, sockets, accessories and sets to meet your every need.

### • Performance :

The performance of Facom's ratchets, sockets and accessories greatly exceeds current standard specifications.

| Application                                                                                                                                                                                                                                                                              | Sizes                                                                                                                  | Square drive                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Light engineering.<br/>Electronics<br/>Electromechanical<br/>Cycles</p>                                            | <p>3.2 to 14 mm<br/>3/16" to 9/16"</p>                                                                                 | <p><b>Radio range</b> <math>\square</math> 1/4" p. <b>174</b></p>                                                                                                                       |
|  <p>Mechanical engineering<br/>Automotive engineering<br/>Motorcycles</p>                                              | <p>7 to 24 mm<br/>1/4" to 1"</p> <p>7 to 32 mm</p> <p>8 to 34 mm<br/>1/4" to 1"</p>                                    | <p><b>Junior range</b> <math>\square</math> 3/8" p. <b>190</b></p> <p><b>CDX range</b> p. <b>204</b></p> <p><b>Standard range</b> <math>\square</math> 1/2" p. <b>210</b></p>           |
|  <p>Heavy engineering<br/>Heavy goods vehicles<br/>Civil Engineering plant<br/>Farming equipment<br/>Offshore</p>  | <p>19 to 55 mm<br/>3/4" to 2 1/4"</p> <p>41 to 100 mm<br/>1 13/16" to 3 3/8"</p>                                       | <p><b>Truck range</b> <math>\square</math> 3/4" p. <b>230</b></p> <p><b>Mammoth range</b> <math>\square</math> 1" p. <b>239</b></p>                                                     |
|  <p>For all you power-assisted<br/>torquing applications</p>                                                       | <p>6 to 120 mm<br/>3/8" to 2 1/4"</p>                                                                                  | <p><b>Impact range</b><br/><math>\square</math> 3/8", 1/2", 3/4", 1", 1 1/2" p. <b>243</b></p>                                                                                          |
|  <p>For all live working<br/>applications</p>                                                                      | <p><b>1000 V insulated VSE range</b></p> <p>Sockets 6 to 12 mm</p> <p>Sockets 9 to 19 mm</p> <p>Sockets 8 to 22 mm</p> | <p><b>Radio</b> <math>\square</math> 1/4" p. <b>665</b></p> <p><b>Junior</b> <math>\square</math> 3/8" p. <b>663</b></p> <p><b>Standard</b> <math>\square</math> 1/2" p. <b>661</b></p> |



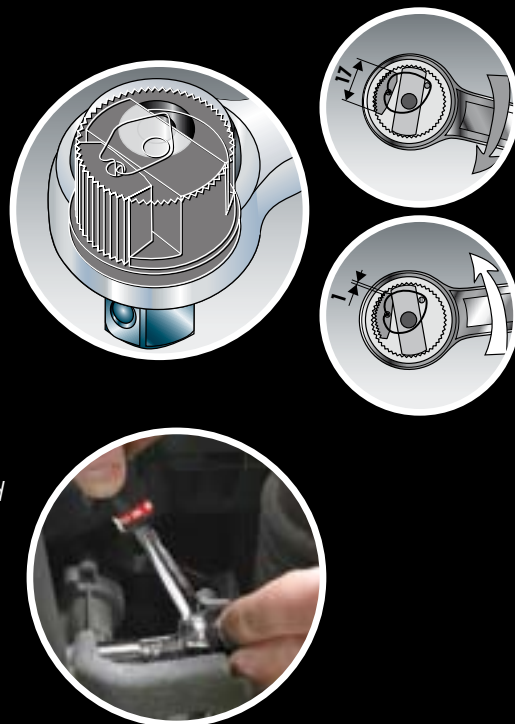


Facom  
ratchetsMeeting professional  
needs**PERFORMANCE**

- The performance of Facom ratchets exceeds ISO 3315 specifications. E.g. : ratchet  $\square$  1/2" S.161 : over 400 kg on the handle.
- High-frequency hardened teeth for increased strength and durability.
- Torque transmitted through 17 teeth in mesh ensuring better stress distribution.
- Single tooth in contact during back swing to limit return torque.

**ACCESSIBILITY**

- Facom 72 tooth mechanism allows torquing to be performed in only 5° increments.
- The design of the mechanism gives a very compact head that is ideal for working in confined spaces.

**Series 171** Locking ratchet

**Ratchets J, SJ and S.171 are equipped with a locking system that can resist a socket pull-off load of over 60 kg**

p. 194

**SAFETY :**

- No lost or jammed-in-place sockets.

**COMFORT :**

- Immediate socket release simply by pressing the button, even with slippery or gloved hands.



## SERIES 161 Palm control ratchet

- **Comfortable :**

The palm-control system allows the operator to push down on the head of the ratchet while avoiding accidental reversal.

p. 194



## SERIES 151 Standard ratchet

- **Sturdy :**

Simple Facom mechanism ensures high performance and durability.

p. 194



## Metal grip ratchets

- **Sturdy :**

Metal grip ratchets are ideal for environments where PVC grips are vulnerable to solvent attack.

- **Comfortable :**

Incorporates the Palm control system.

- **Grip :**

The handle is knurled to avoid all risk of slippage.

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## SM SERIES "Parking meter" ratchets

- **Sturdy :**

"Parking meter" ratchets are ideal for use in difficult working conditions :  
 - Sealed head gives better protection against clogging.  
 - 50 tooth mechanism, 9° increments.

- **Comfortable :**

Recessed reverse lever avoids accidental reversal and is easier to operate with gloved hands.

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SM.161



SM.171

SM.150



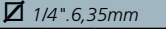


►  1/4" inch sets 1/4"

Metric socket and bit sets

⇒ R.2AM ⇒ R.2A ⇒ R.3A ⇒ R.420P 

## R.2A : THE MOST COMPREHENSIVE SET...!

|              | R.2AM                                                                             | R.2A                                                                                | R.3A                                                                                | R.420P                                                                              |
|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|              | R.161                                                                             | R.161                                                                               | R.161                                                                               | R.161                                                                               |
|              |  |  |  |  |
|  1/4" 6,35mm | R.                                                                                | R.                                                                                  | R.                                                                                  | R.                                                                                  |
|              | 3,2                                                                               |                                                                                     |                                                                                     | •                                                                                   |
|                                                                                               | 4                                                                                 |                                                                                     |                                                                                     | •                                                                                   |
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|  R.209     | •                                                                                 | •                                                                                   |                                                                                     | •                                                                                   |
|  R.210     | •                                                                                 | •                                                                                   | •                                                                                   |                                                                                     |
|  R.215     |                                                                                   |                                                                                     |                                                                                     | •                                                                                   |
|  R.240A    | •                                                                                 | •                                                                                   |                                                                                     | •                                                                                   |
|  R.236     | •                                                                                 | •                                                                                   | •                                                                                   | •                                                                                   |
|  R.235     | •                                                                                 | •                                                                                   | •                                                                                   |                                                                                     |
|  R.120A    |                                                                                   |                                                                                     |                                                                                     | •                                                                                   |
|            | PM.R2A                                                                            | PL.427                                                                              | PL.366A                                                                             | PL.442                                                                              |
|            | BP.102                                                                            |                                                                                     |                                                                                     |                                                                                     |
|            | 204 x 122 x 52 mm                                                                 |                                                                                     |                                                                                     |                                                                                     |
|            | 0,80 kg                                                                           | 0,80 kg                                                                             | 0,60 kg                                                                             | 0,82 kg                                                                             |

 1/4"

Metric socket and bit sets

... ALWAYS WITH YOU...  
... FOR EVERY SITUATION

|                                                                                       |                                                                                                                                                                                                                                                                   | R.425AP                                                                                 | R.426AP                                                                                 | R.425A                                                                                  | R.430ADP                                                                                | R.431ADP                                                                                | R.410D                                                                                  | R.410AE                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| <br> |                                                                                                                                                                                                                                                                   | R.161                                                                                   | R.161                                                                                   | R.151                                                                                   | R.161                                                                                   | R.161                                                                                   | R.151                                                                                   | R.151                                                                                   |
| <br>1/4".6,35mm                                                                       |                                                                                                                                                                                                                                                                   | <br>R. | <br>R. | <br>R. | <br>R. | <br>R. | <br>R. | <br>R. |
|                                                                                        | 3,2                                                                                                                                                                                                                                                               |                                                                                         |                                                                                         |                                                                                         |                                                                                         |                                                                                         |                                                                                         |                                                                                         |
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|                                                                                      | R.209                                                                                                                                                                                                                                                             | •                                                                                       | •                                                                                       | •                                                                                       | •                                                                                       | •                                                                                       |                                                                                         |                                                                                         |
|                                                                                                                                                                        |                                                                                                                                                                                 | R.210                                                                                   | •                                                                                       | •                                                                                       | •                                                                                       | •                                                                                       |                                                                                         | •                                                                                       |
|                                                                                                                                                                        |                                                                                                                                                                                 | R.215                                                                                   |                                                                                         |                                                                                         |                                                                                         |                                                                                         | •                                                                                       |                                                                                         |
|                                                                                                                                                                        |                                                                                                                                                                                 | R.240A                                                                                  | •                                                                                       | •                                                                                       | •                                                                                       | •                                                                                       | •                                                                                       |                                                                                         |
|                                                                                                                                                                        |                                                                                                                                                                                 | R.236                                                                                   | •                                                                                       | •                                                                                       | •                                                                                       | •                                                                                       | •                                                                                       | •                                                                                       |
|                                                                                                                                                                        |                                                                                                                                                                                 | R.235                                                                                   | •                                                                                       | •                                                                                       | •                                                                                       | •                                                                                       | •                                                                                       |                                                                                         |
|                                                                                                                                                                        |                                                                                                                                                                                 | R.120A                                                                                  | •                                                                                       | •                                                                                       | •                                                                                       | •                                                                                       | •                                                                                       |                                                                                         |
|                                                                                                                                                                        | <br><br> |                                                                                         | PL.441                                                                                  |                                                                                         |                                                                                         | PL.389A                                                                                 |                                                                                         | PL.244A                                                                                 |
|                                                                                                                                                                        |                                                                                                                                                                                                                                                                   | BP.102                                                                                  |                                                                                         |                                                                                         |                                                                                         |                                                                                         |                                                                                         |                                                                                         |
|                                                                                                                                                                        |                                                                                                                                                                                                                                                                   | 204 x 122 x 52 mm                                                                       |                                                                                         |                                                                                         |                                                                                         |                                                                                         |                                                                                         |                                                                                         |
|                                                                                                                                                                        |                                                                                                                                                                                                                                                                   | 0,83 kg                                                                                 | 0,83 kg                                                                                 | 0,83 kg                                                                                 | 0,87 kg                                                                                 | 0,87 kg                                                                                 | 0,66 kg                                                                                 | 0,55 kg                                                                                 |

 R.425AP 

 R.426AP 

 R.425A 



 R.430ADP 

 R.431ADP 



 R.410D 



 R.410AE 



 1/4"

Metric socket and wrench sets

 R.450AP  R.440EP  R.447EP  R.430AP 

## FOR MAXIMUM SERVICE

|    |                                                                                   | R.450AP                                                                           | R.440EP                                                                           | R.447EP                                                                           | R.430AP                                                                           |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|    | R.161                                                                             | R.161                                                                             | R.161                                                                             | R.161                                                                             | R.161                                                                             |
|    |  |  |  |  |  |
|    | 1/4" 6,35mm                                                                       | R.                                                                                | R.LA                                                                              | R.                                                                                | R.                                                                                |
|    | 3,2                                                                               | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 |
|    | 4                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 |
|    | 5                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 |
|    | 5,5                                                                               | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 |
|    | 6                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 |
|    | 7                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 |
|    | 8                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 |
|    | 9                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 |
|    | 10                                                                                | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 |
|    | 11                                                                                | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 |
|    | 12                                                                                | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 |
|    | 13                                                                                | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 |
|    | 14                                                                                | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 |
|    | ED                                                                                | •                                                                                 |                                                                                   | •                                                                                 |                                                                                   |
|    | 2                                                                                 | •                                                                                 |                                                                                   | •                                                                                 |                                                                                   |
|    | 3                                                                                 |                                                                                   |                                                                                   | •                                                                                 |                                                                                   |
|    | 4                                                                                 |                                                                                   |                                                                                   | •                                                                                 |                                                                                   |
|    | ES                                                                                | •                                                                                 |                                                                                   | •                                                                                 |                                                                                   |
|   | 5,5                                                                               | •                                                                                 |                                                                                   | •                                                                                 |                                                                                   |
|  | 6,5                                                                               | •                                                                                 |                                                                                   | •                                                                                 |                                                                                   |
|  | 8                                                                                 | •                                                                                 |                                                                                   | •                                                                                 |                                                                                   |
|  | EH                                                                                |                                                                                   |                                                                                   | •                                                                                 |                                                                                   |
|  | 2                                                                                 |                                                                                   |                                                                                   | •                                                                                 |                                                                                   |
|  | 2,5                                                                               |                                                                                   |                                                                                   | •                                                                                 |                                                                                   |
|  | 3                                                                                 |                                                                                   |                                                                                   | •                                                                                 |                                                                                   |
|  | 4                                                                                 |                                                                                   |                                                                                   | •                                                                                 |                                                                                   |
|  | 5                                                                                 |                                                                                   |                                                                                   | •                                                                                 |                                                                                   |
|  | 6                                                                                 |                                                                                   |                                                                                   | •                                                                                 |                                                                                   |
|  | 8                                                                                 |                                                                                   |                                                                                   | •                                                                                 |                                                                                   |
|  | R.209                                                                             | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 |
|  | R.215                                                                             | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 |
|  | R.240A                                                                            | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 |
|  | R.236                                                                             | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 |
|  | R.235                                                                             |                                                                                   |                                                                                   | •                                                                                 |                                                                                   |
|  | R.245                                                                             | •                                                                                 |                                                                                   |                                                                                   |                                                                                   |
|  | R.120A                                                                            | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 |
|  | R.110                                                                             | •                                                                                 |                                                                                   |                                                                                   |                                                                                   |
|  | R.140A                                                                            | •                                                                                 | •                                                                                 |                                                                                   | •                                                                                 |
|  | R.216                                                                             | •                                                                                 | •                                                                                 |                                                                                   | •                                                                                 |
|  | R.227                                                                             | •                                                                                 |                                                                                   |                                                                                   |                                                                                   |
|  | 181.18G                                                                           |                                                                                   | •                                                                                 |                                                                                   |                                                                                   |
|  | AN2,5x75                                                                          |                                                                                   |                                                                                   |                                                                                   | •                                                                                 |
|  | AN3,5x75                                                                          |                                                                                   | •                                                                                 |                                                                                   |                                                                                   |
|  | RT.                                                                               | •                                                                                 |                                                                                   |                                                                                   |                                                                                   |
|  | 3                                                                                 | •                                                                                 |                                                                                   |                                                                                   |                                                                                   |
|  | 4                                                                                 | •                                                                                 |                                                                                   |                                                                                   |                                                                                   |
|  | 5                                                                                 | •                                                                                 |                                                                                   |                                                                                   |                                                                                   |
|  | 7                                                                                 | •                                                                                 |                                                                                   |                                                                                   |                                                                                   |
|  | 22                                                                                |                                                                                   |                                                                                   |                                                                                   | •                                                                                 |
|  | 3,2x5,5                                                                           |                                                                                   |                                                                                   |                                                                                   | •                                                                                 |
|  | 4x5                                                                               |                                                                                   |                                                                                   |                                                                                   | •                                                                                 |
|  | 6x7                                                                               |                                                                                   |                                                                                   |                                                                                   | •                                                                                 |
|  | 8x9                                                                               |                                                                                   |                                                                                   |                                                                                   | •                                                                                 |
|  | 10x11                                                                             |                                                                                   |                                                                                   |                                                                                   | •                                                                                 |
|  | 12x13                                                                             |                                                                                   |                                                                                   |                                                                                   | •                                                                                 |
|  |                                                                                   | PL.703                                                                            | PL.36A                                                                            | PL.128A                                                                           | PL.414                                                                            |
|  |                                                                                   |                                                                                   | BP.109                                                                            |                                                                                   | BP.109                                                                            |
|  |                                                                                   | 478 X 234 x 272 mm                                                                |                                                                                   |                                                                                   | 389 X 164 x 272 mm                                                                |
|  |                                                                                   | 3,26 kg                                                                           | 2,70 kg                                                                           | 2,50 kg                                                                           | 1,92 kg                                                                           |



 1/4"

Metric socket modules

## FACOM MODULES : THE BEST STORAGE SYSTEM FOR YOUR ROLLER CABINETS

|                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                   |                                                                                     | MOD.R5                                                                               | MODM.R1A                                                                             | MOD.R1                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <br><br>1/4":6,35mm                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                   |                                                                                     | R.161                                                                                | R.161                                                                                | R.161                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                   |                                                                                     |  R. |  R. |  R. |
|                                                                                                                                                                                                                                                                                                                                                  | 5,5                                                                                                                                                                                                                                                               |    |     |     |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6                                                                                                                                                                                                                                                                 |    |     |     |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 7                                                                                                                                                                                                                                                                 |    |     |     |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 8                                                                                                                                                                                                                                                                 |    |     |     |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 9                                                                                                                                                                                                                                                                 |    |     |     |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 10                                                                                                                                                                                                                                                                |    |     |     |                                                                                      |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 12                                                                                                                                                                                                                                                                |    |     |     |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 13                                                                                                                                                                                                                                                                |    |     |     |                                                                                      |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                  |    |     |                                                                                      |                                                                                      |
| <br><br><br><br> | R.209                                                                                                                                                                                                                                                             |    |     |     |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | R.215                                                                                                                                                                                                                                                             |    |     |     |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | R.240A                                                                                                                                                                                                                                                            |    |     |     |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | R.236                                                                                                                                                                                                                                                             |    |     |     |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | R.235                                                                                                                                                                                                                                                             |    |     |     |                                                                                      |
| R.120A                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                  |    |     |                                                                                      |                                                                                      |
| <br>                                                                                                                                                                                                                                                            | 1                                                                                                                                                                                                                                                                 |    |     |                                                                                      |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2                                                                                                                                                                                                                                                                 |    |     |                                                                                      |                                                                                      |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3                                                                                                                                                                                                                                                                 |                                                                                     |     |                                                                                      |                                                                                      |
| <br>                                                                                                                                                                                                                                                          | 4,5                                                                                                                                                                                                                                                               |                                                                                     |     |     |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6,5                                                                                                                                                                                                                                                               |    |     |     |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 8                                                                                                                                                                                                                                                                 |  |   |   |                                                                                      |
| <br>                                                                                                                                                                                                                                                        | 3                                                                                                                                                                                                                                                                 |  |   |   |                                                                                      |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5                                                                                                                                                                                                                                                                 |  |   |   |                                                                                      |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 7                                                                                                                                                                                                                                                                 |  |   |                                                                                      |                                                                                      |
| <br>                                                                                                                                                                                                                                                        | 10                                                                                                                                                                                                                                                                |  |                                                                                      |                                                                                      |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 15                                                                                                                                                                                                                                                                |  |   |                                                                                      |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 20                                                                                                                                                                                                                                                                |  |   |                                                                                      |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 25                                                                                                                                                                                                                                                                |  |   |                                                                                      |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 27                                                                                                                                                                                                                                                                |                                                                                     |   |                                                                                      |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 30                                                                                                                                                                                                                                                                |  |   |                                                                                      |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 40                                                                                                                                                                                                                                                                |  |   |                                                                                      |                                                                                      |
| <br>                                                                                                                                                                                                                                                        | 2                                                                                                                                                                                                                                                                 |                                                                                     |                                                                                      |   |                                                                                      |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4                                                                                                                                                                                                                                                                 |                                                                                     |                                                                                      |   |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5                                                                                                                                                                                                                                                                 |                                                                                     |                                                                                      |   |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6                                                                                                                                                                                                                                                                 |                                                                                     |                                                                                      |   |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 7                                                                                                                                                                                                                                                                 |                                                                                     |                                                                                      |   |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 8                                                                                                                                                                                                                                                                 |                                                                                     |                                                                                      |   |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 9                                                                                                                                                                                                                                                                 |                                                                                     |                                                                                      |   |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 10                                                                                                                                                                                                                                                                |                                                                                     |                                                                                      |   |                                                                                      |
| <br>                                                                                                                                                                                                                                                        | 1,5                                                                                                                                                                                                                                                               |  |   |                                                                                      |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2                                                                                                                                                                                                                                                                 |  |   |                                                                                      |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2,5                                                                                                                                                                                                                                                               |  |   |                                                                                      |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3                                                                                                                                                                                                                                                                 |  |   |                                                                                      |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4                                                                                                                                                                                                                                                                 |  |   |                                                                                      |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5                                                                                                                                                                                                                                                                 |  |   |                                                                                      |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6                                                                                                                                                                                                                                                                 |  |   |                                                                                      |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 7                                                                                                                                                                                                                                                                 |  |                                                                                      |                                                                                      |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 8                                                                                                                                                                                                                                                                 |  |   |                                                                                      |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 10                                                                                                                                                                                                                                                                |                                                                                     |   |                                                                                      |                                                                                      |
| <br>                                                                                                                                                                                                                                                        | 10                                                                                                                                                                                                                                                                |  |                                                                                      |                                                                                      |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 15                                                                                                                                                                                                                                                                |  |                                                                                      |                                                                                      |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 20                                                                                                                                                                                                                                                                |  |                                                                                      |                                                                                      |                                                                                      |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 27                                                                                                                                                                                                                                                                |  |                                                                                      |                                                                                      |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 30                                                                                                                                                                                                                                                                |  |                                                                                      |                                                                                      |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 40                                                                                                                                                                                                                                                                |  |                                                                                      |                                                                                      |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 45                                                                                                                                                                                                                                                                |  |                                                                                      |                                                                                      |                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | <br><br> | PL.658                                                                              | PM.MODR1A                                                                            | PL.321                                                                               |                                                                                      |
| 420 x 190 x 55 mm                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                   |                                                                                     | 420 x 180 x 55 mm                                                                    |                                                                                      |                                                                                      |
| 1.41 kg                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                   | 1.05 kg                                                                             | 1.10 kg                                                                              |                                                                                      |                                                                                      |



 MODM.R1A 



 FACOM  JET XL

### Foam modules :

- Identification of missing tools.
- High density foam : resistant to crushing and workshop solvents.

 MOD.R5 



 MOD.R1 



 1/4"

Inch socket and wrench sets

⇒ R.411MU **RATCHETS  1/4" : IDEAL FOR DIFFICULT ACCESS SITUATIONS, WHATEVER THE APPLICATION**⇒ R.420MU ⇒ R.440UP ⇒ MOD.R3 

|    |                                                                                                  | R.411MU                                                                                            | R.420MU                                                                                            | R.440UP                                                                                            | MOD.R3                                                                                             |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
|    | R.151<br><br>R. | R.161<br><br>R. | R.161<br><br>R. | R.161<br><br>34 | R.161<br><br>R. |
|    | mm    "                                                                                          | mm    "                                                                                            | mm    "                                                                                            | "    "                                                                                             | mm    "                                                                                            |
|                                                                                     | 3,2 3/16                                                                                         | - -                                                                                                | • •                                                                                                | • •                                                                                                | - •                                                                                                |
|                                                                                     | 4 7/32                                                                                           | • •                                                                                                | • •                                                                                                | • •                                                                                                | - •                                                                                                |
|                                                                                     | 5 1/4                                                                                            | • •                                                                                                | • •                                                                                                | • •                                                                                                | - •                                                                                                |
|                                                                                     | 5,5 9/32                                                                                         | • •                                                                                                | • •                                                                                                | • •                                                                                                | - •                                                                                                |
|                                                                                     | 6 5/16                                                                                           | • •                                                                                                | • •                                                                                                | • •                                                                                                | - •                                                                                                |
|                                                                                     | 7 11/32                                                                                          | • •                                                                                                | • •                                                                                                | • •                                                                                                | - •                                                                                                |
|                                                                                     | 8 3/8                                                                                            | • •                                                                                                | • •                                                                                                | • •                                                                                                | - •                                                                                                |
|                                                                                     | 9 13/32                                                                                          | • •                                                                                                | • •                                                                                                | • •                                                                                                | - •                                                                                                |
|                                                                                     | 10 7/16                                                                                          | • •                                                                                                | • •                                                                                                | • •                                                                                                | - •                                                                                                |
|                                                                                     | 11 1/2                                                                                           | • •                                                                                                | • •                                                                                                | • •                                                                                                | - •                                                                                                |
|                                                                                     | 12 9/16                                                                                          | • •                                                                                                | • •                                                                                                | • •                                                                                                | - •                                                                                                |
|                                                                                     | 13 -                                                                                             | • -                                                                                                | • -                                                                                                | - -                                                                                                | - -                                                                                                |
|  | R.209                                                                                            | •                                                                                                  | •                                                                                                  | •                                                                                                  | •                                                                                                  |
|                                                                                     | R.215                                                                                            | •                                                                                                  | •                                                                                                  | •                                                                                                  | •                                                                                                  |
|                                                                                     | R.240A                                                                                           | •                                                                                                  | •                                                                                                  | •                                                                                                  | •                                                                                                  |
|  | R.236                                                                                            |                                                                                                    | •                                                                                                  | •                                                                                                  | •                                                                                                  |
|                                                                                     | R.235                                                                                            |                                                                                                    | •                                                                                                  | •                                                                                                  | •                                                                                                  |
|  | R.120A                                                                                           |                                                                                                    | •                                                                                                  | •                                                                                                  | •                                                                                                  |
|  | R.140A                                                                                           |                                                                                                    |                                                                                                    | •                                                                                                  |                                                                                                    |
|  | R.216                                                                                            |                                                                                                    |                                                                                                    | •                                                                                                  |                                                                                                    |
|  | R.222                                                                                            | •                                                                                                  |                                                                                                    |                                                                                                    |                                                                                                    |
|  | 181.18G                                                                                          |                                                                                                    |                                                                                                    | •                                                                                                  |                                                                                                    |
|  | AN.3,5x75                                                                                        |                                                                                                    |                                                                                                    | •                                                                                                  |                                                                                                    |
|  | R.142                                                                                            | •                                                                                                  |                                                                                                    |                                                                                                    |                                                                                                    |
|  | ED                                                                                               |                                                                                                    |                                                                                                    |                                                                                                    | •                                                                                                  |
|                                                                                     | 2                                                                                                |                                                                                                    |                                                                                                    |                                                                                                    | •                                                                                                  |
|  | ES                                                                                               |                                                                                                    |                                                                                                    |                                                                                                    | •                                                                                                  |
|                                                                                     | 4,5                                                                                              |                                                                                                    |                                                                                                    |                                                                                                    | •                                                                                                  |
|                                                                                     | 6,5                                                                                              |                                                                                                    |                                                                                                    |                                                                                                    | •                                                                                                  |
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|  | EH                                                                                               |                                                                                                    |                                                                                                    |                                                                                                    | •                                                                                                  |
|                                                                                     | 1/8                                                                                              |                                                                                                    |                                                                                                    |                                                                                                    | •                                                                                                  |
|                                                                                     | 5/32                                                                                             |                                                                                                    |                                                                                                    |                                                                                                    | •                                                                                                  |
|                                                                                     | 3/16                                                                                             |                                                                                                    |                                                                                                    |                                                                                                    | •                                                                                                  |
|                                                                                     | 7/32                                                                                             |                                                                                                    |                                                                                                    |                                                                                                    | •                                                                                                  |
|  | 82H.                                                                                             |                                                                                                    |                                                                                                    |                                                                                                    | •                                                                                                  |
|                                                                                     | 5/64                                                                                             |                                                                                                    |                                                                                                    |                                                                                                    | •                                                                                                  |
|                                                                                     | 3/32                                                                                             |                                                                                                    |                                                                                                    |                                                                                                    | •                                                                                                  |
|                                                                                     | 1/8                                                                                              |                                                                                                    |                                                                                                    |                                                                                                    | •                                                                                                  |
|                                                                                     | 9/64                                                                                             |                                                                                                    |                                                                                                    |                                                                                                    | •                                                                                                  |
|                                                                                     | 5/32                                                                                             |                                                                                                    |                                                                                                    |                                                                                                    | •                                                                                                  |
|                                                                                     | 3/16                                                                                             |                                                                                                    |                                                                                                    |                                                                                                    | •                                                                                                  |
|                                                                                     | 7/32                                                                                             |                                                                                                    |                                                                                                    |                                                                                                    | •                                                                                                  |
|                                                                                     | 1/4                                                                                              |                                                                                                    |                                                                                                    |                                                                                                    | •                                                                                                  |
|                                                                                     | 5/16                                                                                             |                                                                                                    |                                                                                                    |                                                                                                    | •                                                                                                  |
|                                                                                     | 3/8                                                                                              |                                                                                                    |                                                                                                    |                                                                                                    | •                                                                                                  |
|  |                                                                                                  | PL.125A<br>BP.115<br>332 x 143<br>x 67 mm<br>1,56 kg                                               | PL.453<br>BP.102<br>204 x 122<br>x 52 mm<br>0,72 kg                                                | PL.37A<br>BP.109<br>478 x 234<br>x 72 mm<br>2,56 kg                                                | PL.603<br>-<br>420 x 180<br>x 55 mm<br>0,95 kg                                                     |

 1/4"

Inch socket and bit sets

**LARGE RANGE OF SOCKETS : 6- OR 12-POINT,  
STANDARD OR LONG-REACH, METRIC OR INCH**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |         | RB.425UP                                                                                 | R.425AUP                                                                                | R.426AUP                                                                                 | R.427UP                                                                                 | R.418AU                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| <br><br>1/4" .6,35mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |         | R.161                                                                                    | R.161                                                                                   | R.161                                                                                    | R.161                                                                                   | R.151                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |         | <br>RB. | <br>R. | <br>R.E | <br>R. | <br>R. |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3/16              |         |                                                                                          |                                                                                         |                                                                                          |                                                                                         | •                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 7/32              | •       | •                                                                                        | •                                                                                       | •                                                                                        | •                                                                                       | •                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1/4               | •       | •                                                                                        | •                                                                                       | •                                                                                        | •                                                                                       | •                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 9/32              | •       | •                                                                                        | •                                                                                       | •                                                                                        | •                                                                                       | •                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5/16              | •       | •                                                                                        | •                                                                                       | •                                                                                        | •                                                                                       | •                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 11/32             | •       | •                                                                                        | •                                                                                       | •                                                                                        | •                                                                                       | •                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3/8               | •       | •                                                                                        | •                                                                                       | •                                                                                        | •                                                                                       | •                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 13/32             | •       | •                                                                                        | •                                                                                       |                                                                                          |                                                                                         | •                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 7/16              | •       | •                                                                                        | •                                                                                       | •                                                                                        | •                                                                                       | •                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1/2               | •       | •                                                                                        | •                                                                                       | •                                                                                        | •                                                                                       | •                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 9/16              | •       | •                                                                                        | •                                                                                       | •                                                                                        | •                                                                                       | •                                                                                       |
| <br><br><br><br><br><br><br> | R.209             | •       | •                                                                                        | •                                                                                       | •                                                                                        |                                                                                         |                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | R.210             |         |                                                                                          |                                                                                         | •                                                                                        |                                                                                         |                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | R.215             | •       | •                                                                                        | •                                                                                       |                                                                                          |                                                                                         |                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | R.240A            | •       | •                                                                                        | •                                                                                       | •                                                                                        |                                                                                         |                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | R.236             | •       | •                                                                                        | •                                                                                       | •                                                                                        | •                                                                                       | •                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | R.235             | •       | •                                                                                        | •                                                                                       | •                                                                                        |                                                                                         |                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | R.120A            | •       | •                                                                                        | •                                                                                       |                                                                                          |                                                                                         |                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | R.210S            |         |                                                                                          |                                                                                         |                                                                                          |                                                                                         | •                                                                                       |
| <br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | EP<br>1           | •       |                                                                                          |                                                                                         |                                                                                          |                                                                                         |                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2                 | •       |                                                                                          |                                                                                         |                                                                                          |                                                                                         |                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |         |                                                                                          |                                                                                         |                                                                                          |                                                                                         |                                                                                         |
| <br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ED<br>1           |         | •                                                                                        | •                                                                                       | •                                                                                        |                                                                                         |                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2                 |         | •                                                                                        | •                                                                                       | •                                                                                        |                                                                                         |                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3                 |         |                                                                                          |                                                                                         | •                                                                                        |                                                                                         |                                                                                         |
| <br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ES<br>4           |         | •                                                                                        | •                                                                                       |                                                                                          |                                                                                         |                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4,5               | •       |                                                                                          |                                                                                         | •                                                                                        |                                                                                         |                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 6,5               | •       | •                                                                                        | •                                                                                       | •                                                                                        |                                                                                         |                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8                 | •       | •                                                                                        | •                                                                                       | •                                                                                        |                                                                                         |                                                                                         |
| <br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | EH<br>1/8         |         | •                                                                                        | •                                                                                       | •                                                                                        |                                                                                         |                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5/32              |         | •                                                                                        | •                                                                                       | •                                                                                        |                                                                                         |                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3/16              |         | •                                                                                        | •                                                                                       | •                                                                                        |                                                                                         |                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 7/32              |         | •                                                                                        | •                                                                                       | •                                                                                        |                                                                                         |                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1/4               |         |                                                                                          |                                                                                         | •                                                                                        |                                                                                         |                                                                                         |
| <br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | EXR<br>10         |         |                                                                                          |                                                                                         | •                                                                                        |                                                                                         |                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 15                |         |                                                                                          |                                                                                         | •                                                                                        |                                                                                         |                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 20                |         |                                                                                          |                                                                                         | •                                                                                        |                                                                                         |                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 25                |         |                                                                                          |                                                                                         | •                                                                                        |                                                                                         |                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 27                |         |                                                                                          |                                                                                         | •                                                                                        |                                                                                         |                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 30                |         |                                                                                          |                                                                                         | •                                                                                        |                                                                                         |                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 40                |         |                                                                                          |                                                                                         | •                                                                                        |                                                                                         |                                                                                         |
| <br><br>                                                                                                                                                                                                                                                                                                                                                                                                                                            | PL.246A           | PL.382A | PL.382A                                                                                  | PL.427                                                                                  | PL.391B                                                                                  |                                                                                         |                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | BR.102            |         |                                                                                          |                                                                                         |                                                                                          |                                                                                         |                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 204 x 122 x 52 mm |         |                                                                                          |                                                                                         |                                                                                          |                                                                                         |                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0,70 kg           | 0,76 kg | 0,76 kg                                                                                  | 0,75 kg                                                                                 | 0,55 kg                                                                                  |                                                                                         |                                                                                         |

 RB.425UP 



 R.425AUP 

 R.426AUP 



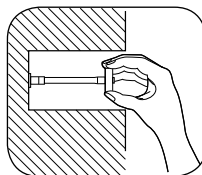
 R.427UP 



 R.418AU 





 1/4"**"Radio" ratchets****Facom round head ratchets** **R.161** **R.151** **R.155A** **R.157A** **R.158A** **R.150A** **65.PE****The solution for congested spaces.****Compact :**

- The Facom ratchet mechanism ensures a very compact round head design.

**Precise :**

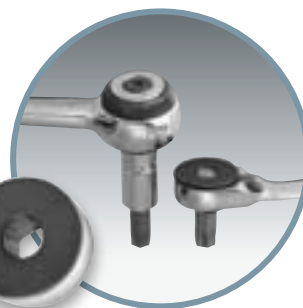
- 72-tooth mechanism gives increments of only 5°

**High performance :**

- Meet the requirements of ISO 3315, DIN 3122 and NF ISO 3315.

**Metal grip ratchets**

- Ideal for environments where PVC grips are vulnerable to solvent attack.

**Facom VSE 1000 V insulated ratchets** **1000V**  
EN 60900

See the "VSE" series range of 1000 V insulated tools on page

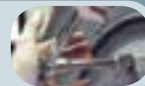
**662**

 1/4"

## Selection guide

**Palm control system**

*Ergonomic* : Allows the operator to push down on the head of the ratchet while avoiding accidental reversal.

**Long handle**

*Power* : Transmits more torque without over-loading the ratchet mechanism.

**Finger-control**

*Ultra compact* : Ideal for awkward spaces.

**Metal handle**

*Sturdy* : Ideal for environments where PVC grips are vulnerable to solvent attack.

*Grip* : Knurled handle to avoid all risk of slippage.

**Hinged handle**

*Hinged handle with stiffened joint for optimum clearance.*

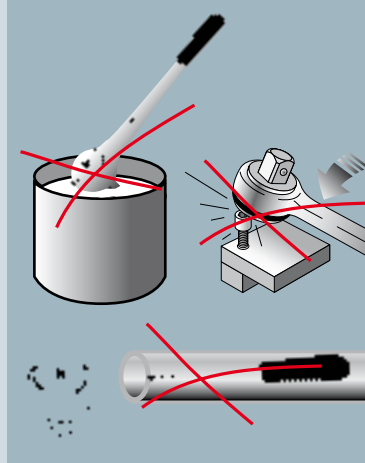
**1/4" and 5/16" bit-holder system**

*Compact* : Ultra-compact head allows bits to be used in confined spaces.

*Bits held by a spring clip. "One finger" reversing lever.*



## Precautions of use



|  |                        | R.161 | R.151 | R.155A | R.157A | R.158A | R.150A | 65.PE |
|-------------------------------------------------------------------------------------|------------------------|-------|-------|--------|--------|--------|--------|-------|
| <b>Advantages</b>                                                                   |                        |       |       |        |        |        |        |       |
| <b>Palm control system</b>                                                          |                        | ●     |       | ●      | ●      | ●      | ●      |       |
| <b>Long handle</b>                                                                  |                        |       |       |        | ●      | ●      |        | ●     |
| <b>Finger-control</b>                                                               |                        |       |       |        |        |        | ●      |       |
| <b>Metal handle</b>                                                                 |                        |       |       | ●      | ●      | ●      |        | ●     |
| <b>Hinged handle</b>                                                                |                        |       |       |        |        | ●      |        |       |
| <b>Bit holders</b>                                                                  |                        |       |       |        |        |        |        | ●     |
| <b>Characteristics</b>                                                              |                        |       |       |        |        |        |        |       |
|                                                                                     | <b>Increments</b>      | 5°    | 5°    | 5°     | 5°     | 5°     | 5°     | 5°    |
|                                                                                     | <b>No of teeth</b>     | 72    | 72    | 72     | 72     | 72     | 72     | 72    |
|                                                                                     | <b>L (mm)</b>          | 119.5 | 120   | 114    | 153    | 158    | -      | 150   |
|                                                                                     | <b>l (mm)</b>          | 108   | 108   | 102    | 141    | 145.5  | -      | 130   |
|                                                                                     | <b>a (mm)</b>          | 26.5  | 25    | 26.5   | 26.5   | 26.5   | 26.5   | 11    |
|                                                                                     | <b>b (mm)</b>          | 25    | 25    | 25     | 25     | 25     | 38.5   | 20    |
|                                                                                     | <b>c (mm)</b>          | 19    | 17.5  | 19     | 19     | 19     | 19     | -     |
|                                                                                     | <b>Ø (mm)</b>          | 19.5  | 21    | 11     | 11     | 11     | 11     | -     |
|                                                                                     | <b>Δg</b>              | 120   | 100   | 115    | 125    | 150    | 120    | 74    |
|                                                                                     |                        |       |       |        |        |        |        |       |
| <b>Maintenance</b>                                                                  |                        |       |       |        |        |        |        |       |
|                                                                                     | <b>Knurl caps</b>      |       |       |        |        |        |        |       |
|                                                                                     | R.161C                 | ●     |       | ●      | ●      | ●      |        |       |
|                                                                                     | J.161C                 |       |       |        |        |        | ●      |       |
|                                                                                     | R.151C                 |       | ●     |        |        |        |        |       |
|                                                                                     | <b>Spare parts kit</b> |       |       |        |        |        |        |       |
|                                                                                     | R.161RN                | ●     |       | ●      | ●      | ●      | ●      |       |
|                                                                                     | R.151RN                |       | ●     |        |        |        |        |       |
|                                                                                     | <b>Square drives</b>   |       |       |        |        |        |        |       |
|                                                                                     | R.151R                 | ●     | ●     | ●      | ●      | ●      | ●      |       |

► Accessories  1/4"

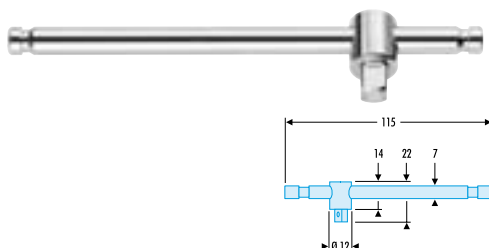
## 1/4" drive sliding tee

**R.120**

► Performance : to ISO 3315, DIN 3122, NF ISO 3315.

- Friction-head allows bar to form a T or L-handle.
- Chrome finish.

ΔΔ : 49 g.

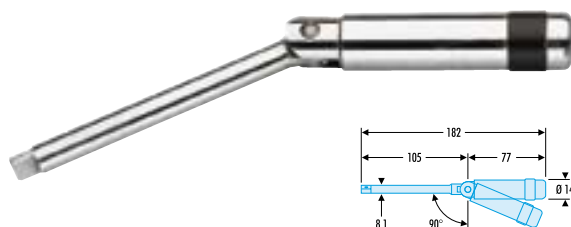


## 1/4" drive hinged handle

**R.142**

- Can be used as a nut spinner or L-handle for fast pre-tightening or high torques.

ΔΔ : 125 g.



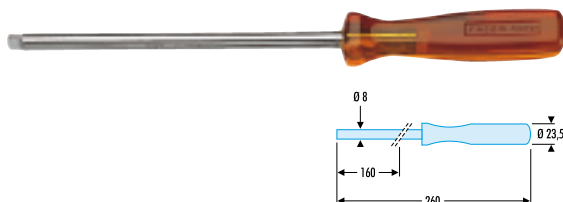
## 1/4" drive long spinner 260 mm

**R.227**

► Performance : to ISO 3315, DIN 3122, NF ISO 3315.

- Grease-resistant, Isoryl handle.
- Chrome finish.

ΔΔ : 125 g.



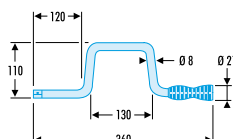
## 1/4" drive speed brace

**R.110**

► Performance : to ISO 3315, DIN 3122, NF ISO 3315.

- For fast rotation.
- PVC rotating handle.
- Chrome finish.

ΔΔ : 220 g.



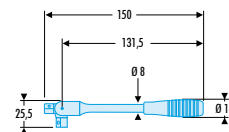
## 1/4" drive hinged handle 150 mm

**R.140A**

► Performance : to ISO 3315, DIN 3122, NF ISO 3315.

- Spring steadies hinge in any position, allowing access behind obstacles.
- Non-slip handle.
- Chrome finish.

ΔΔ : 83 g.



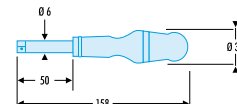
## 1/4" drive short spinner 158 mm

**R.236**

► Performance : to ISO 3315, DIN 3122, NF ISO 3315.

- Ergonomic, high-strength bi-material handle resistant to common chemicals.
- Chrome finish.

ΔΔ : 79 g.

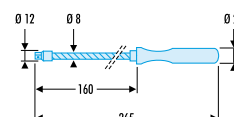


## 1/4" drive flexible spinner 265 mm

**R.222**

- For fasteners where access is difficult.
- Unsuitable for high torques : max. 2.8 N.m.

ΔΔ : 115 g.

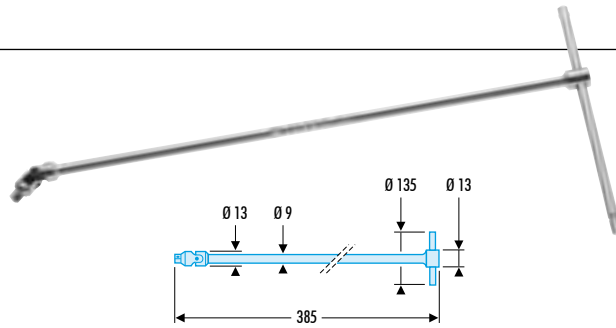




## 1/4" drive tee with universal joint 385 mm

### R.229A

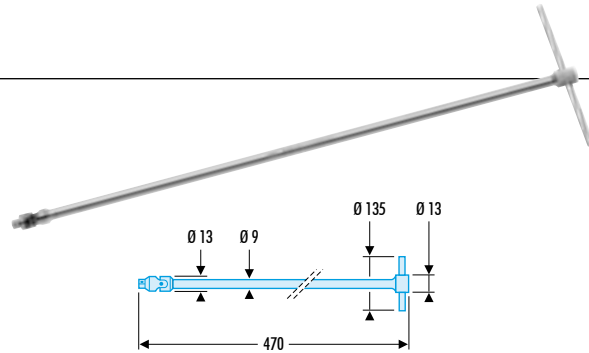
- Universal joint withstands high torques and is spring-steadied in position.
- Long reach and working angle up to 65° allows access to recessed fasteners.
- Length 385 mm.
- $\Delta\Delta$  : 215 g.



## 1/4" drive tee with universal joint 470 mm

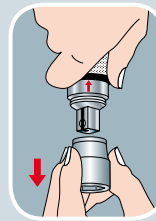
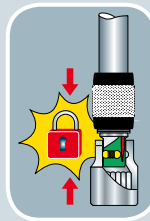
### R.228

- Extended reach of tee-handle is ideal for particularly deep recesses.
- $\Delta\Delta$  : 250 g.



## Locking system = total safety

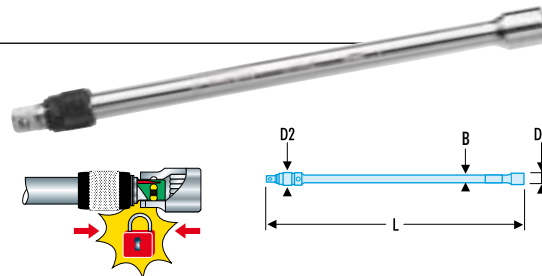
- Resists a socket pull-off load of over 60 kg
- Prevents accidental socket loss
- Instantly unlocks by retracting the knurled ring.



Use only with sockets equipped with an internal ball notch.

## R.RC 1/4" drive locking extensions

|         | B<br>mm | D1<br>mm | D2<br>mm | L<br>mm | $\Delta\Delta$<br>g |
|---------|---------|----------|----------|---------|---------------------|
| R.210RC | 8,2     | 12       | 13       | 100     | 45                  |
| R.215RC | 8,2     | 12       | 13       | 150     | 60                  |
| R.217RC | 8,2     | 12       | 13       | 250     | 100                 |



## R 1/4" drive extensions

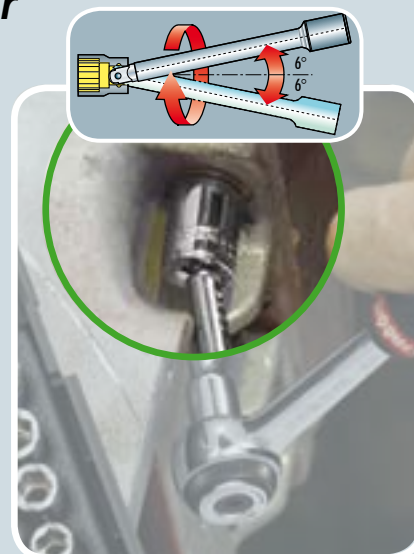
- ▷ Performance : to ISO 3316, DIN 3123, NF ISO 3316.
- Polished chrome finish.

|       | B<br>mm | D<br>mm | L<br>mm | $\Delta\Delta$<br>g |
|-------|---------|---------|---------|---------------------|
| R.209 | 8,2     | 12      | 55      | 30                  |
| R.210 | 8,2     | 12      | 100     | 45                  |
| R.215 | 8,2     | 12      | 150     | 65                  |
| R.217 | 8,2     | 12      | 250     | 105                 |



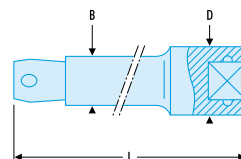
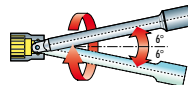
**Wobble extensions**

*Inaccessible with a socket or a universal joint?  
Use a wobble extension !*

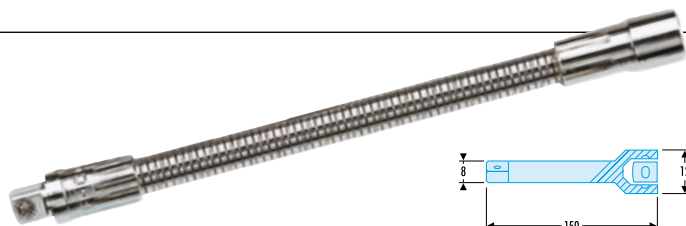
**R.S 1/4" drive wobble extensions**

- Square drive profile gives 6° working angle.

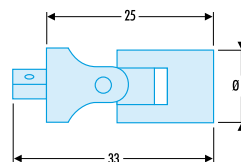
|               | B   | D  | L   | ΔΔ |
|---------------|-----|----|-----|----|
|               | mm  | mm | mm  | g  |
| <b>R.209S</b> | 8,2 | 12 | 55  | 30 |
| <b>R.210S</b> | 8,2 | 12 | 100 | 45 |

**R 1/4" drive flexible extension 150 mm****R.216**

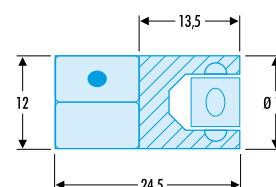
- Reaches fasteners out of direct access line.
  - Unsuitable for high torques : max. 2.8 N.m.
- ΔΔ : 66 g.

**1/4" universal joint****R.240A**

- ▷ Performance : to ISO 3316, DIN 3123, NF ISO 3316.
  - Spring-stiffened joints. Stays in position when reaching for fasteners.
  - Significant time savings.
- ΔΔ : 20 g.

**1/4" to 3/8" coupler****R.232**

- 1/4" female to 3/8" male square drive.
  - For adapting 3/8" drive sockets.
- ΔΔ : 16 g.



## Set of 3 couplers

### D.169

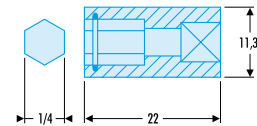
- Allows use of square drives smaller than socket drive sizes :
    - 1/4" square drive + D.169RJ ▷ 3/8" socket.
    - 3/8" square drive + D.169JS ▷ 1/2" socket.
    - 1/2" square drive + D.169SK ▷ 3/4" socket.
  - Compactness means that fewer tools are needed for in situ maintenance operations.
  - Magnetic retainer and locking system (JS and SK).
  - Knurl allows hand tightening where access is difficult.
- ΔΔ : 96 g.



## 1/4" drive standard spring-clip bit holder

### R.235

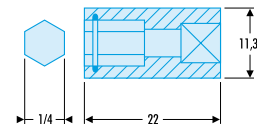
- Spring clip for frequent bit changes.
- ΔΔ : 10 g.



## 1/4" drive secure spring-clip bit holder

### R.245

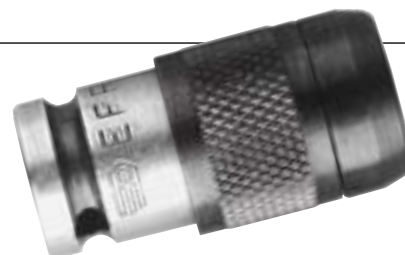
- Stiffer, more secure, spring clip for infrequent bit changes.
  - Square drive has side-hole for ball or plunger lock.
- ΔΔ : 10 g.



## 1/4" drive lock-ring bit holder

### EF.R

|  |  |  | Length<br>mm | ΔΔ<br>g |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------|---------|
| EF.R                                                                               | 1/4                                                                                 | 1/4                                                                                 | 30           | 26      |

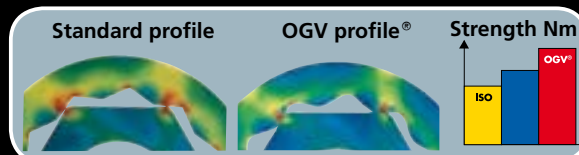




► **Sockets  1/4" OGV®****Facom OGV® profile****HIGHER TORQUE WITHOUT  
DAMAGE TO FASTENERS !**

The OGV® profile is achieved by a succession of curves instead of the flats found in conventional sockets®.

- **More powerful tightening :**  
Larger contact area between socket and fastener minimises stress.
- **Less wear :**  
Torque is transmitted through the fastener flats instead of the corners.
- **Increased durability :**  
Stress concentration in the corners is eliminated.

**TAG socket inserts**

- Immediately identify your sockets.
- 6- or 12-point sockets.

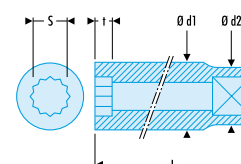
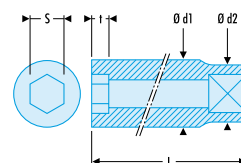
⇒ **TAG**

**R 1/4" drive metric 6 and 12-point OGV® sockets**

► Performance : to ISO 2725-1, DIN 3124, NF ISO 2725-1.

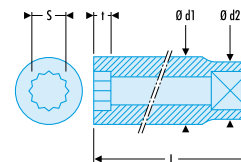
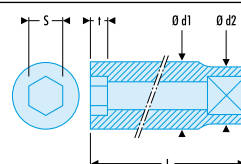
R.3,2 : standard profile

|  |  | S    | Ø d1 | Ø d2 | t     | L  | ΔΔ   |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------|------|------|-------|----|------|
| mm                                                                                  | mm                                                                                  | mm   | mm   | mm   | mm    | mm | g    |
| <b>R.3,2</b>                                                                        |                                                                                     | 3,2  | 5,9  | 11,2 | 2,40  | 22 | 7,3  |
| <b>R.4</b>                                                                          |                                                                                     | 4,0  | 6,9  | 11,2 | 2,60  | 22 | 7,7  |
| <b>R.5</b>                                                                          |                                                                                     | 5,0  | 8,2  | 11,2 | 4,80  | 22 | 8,1  |
| <b>R.5,5</b>                                                                        | <b>R.5,5E</b>                                                                       | 5,5  | 8,8  | 11,2 | 4,80  | 22 | 8,4  |
| <b>R.6</b>                                                                          | <b>R.6E</b>                                                                         | 6,0  | 9,4  | 11,2 | 5,60  | 22 | 8,6  |
| <b>R.7</b>                                                                          | <b>R.7E</b>                                                                         | 7,0  | 11   | 11   | 6,00  | 22 | 9,2  |
| <b>R.8</b>                                                                          | <b>R.8E</b>                                                                         | 8,0  | 12,0 | 12,0 | 6,50  | 22 | 11,5 |
| <b>R.9</b>                                                                          | <b>R.9E</b>                                                                         | 9,0  | 13,2 | 13,2 | 6,50  | 22 | 14,3 |
| <b>R.10</b>                                                                         | <b>R.10E</b>                                                                        | 10,0 | 14,7 | 14,7 | 7,80  | 22 | 17,7 |
| <b>R.11</b>                                                                         | <b>R.11E</b>                                                                        | 11,0 | 15,8 | 15,8 | 9,00  | 22 | 19,4 |
| <b>R.12</b>                                                                         | <b>R.12E</b>                                                                        | 12,0 | 17,0 | 17,0 | 9,50  | 22 | 23,2 |
| <b>R.13</b>                                                                         | <b>R.13E</b>                                                                        | 13,0 | 17,7 | 17,7 | 10,00 | 22 | 23,7 |
| <b>R.14</b>                                                                         | <b>R.14E</b>                                                                        | 14,0 | 18,7 | 18,7 | 10,00 | 22 | 26,1 |

**R 1/4" drive metric 6 and 12-point OGV® sockets**

► Performance : to ISO 2725-1, DIN 3124, NF ISO 2725-1, ANSI B 107.1.

|  |  | S     | Ø d1 | Ø d2 | t     | L  | ΔΔ   |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|------|------|-------|----|------|
| mm                                                                                  | mm                                                                                  | mm    | mm   | mm   | mm    | mm | g    |
| <b>R.3/16</b>                                                                       | <b>R.3/16E</b>                                                                      | 3/16  | 8,0  | 11,2 | 4,75  | 22 | 8,2  |
| <b>R.7/32</b>                                                                       | <b>R.7/32E</b>                                                                      | 7/32  | 9,0  | 11,2 | 5,50  | 22 | 8,3  |
| <b>R.1/4</b>                                                                        | <b>R.1/4E</b>                                                                       | 1/4   | 10,1 | 11,2 | 6,00  | 22 | 9,3  |
| <b>R.9/32</b>                                                                       | <b>R.9/32E</b>                                                                      | 9/32  | 11   | 11   | 6,00  | 22 | 8,9  |
| <b>R.5/16</b>                                                                       | <b>R.5/16E</b>                                                                      | 5/16  | 12,0 | 12,0 | 6,50  | 22 | 11,5 |
| <b>R.11/32</b>                                                                      | <b>R.11/32E</b>                                                                     | 11/32 | 13,2 | 13,2 | 6,50  | 22 | 14,5 |
| <b>R.3/8</b>                                                                        | <b>R.3/8E</b>                                                                       | 3/8   | 14,7 | 14,7 | 7,80  | 22 | 17,8 |
| <b>R.13/32</b>                                                                      | <b>R.13/32E</b>                                                                     | 13/32 | 14,7 | 14,7 | 7,80  | 22 | 17,0 |
| <b>R.7/16</b>                                                                       | <b>R.7/16E</b>                                                                      | 7/16  | 15,8 | 15,8 | 9,00  | 22 | 19,5 |
| <b>R.1/2</b>                                                                        | <b>R.1/2E</b>                                                                       | 1/2   | 17,7 | 17,7 | 10,00 | 22 | 24,5 |
| <b>R.9/16</b>                                                                       | <b>R.9/16E</b>                                                                      | 9/16  | 18,7 | 18,7 | 10,00 | 22 | 25,2 |

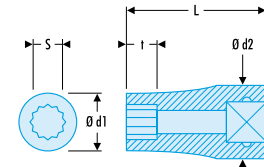


## RB 1/4" drive inch 12-point OGV® sockets

▷ Performance : to AS954E.

• Used for aeronautical applications.

|  | Ø d1<br>mm | Ø d2<br>mm | t<br>mm | L<br>mm | ΔΔ<br>g |
|----------------------------------------------------------------------------------|------------|------------|---------|---------|---------|
| <b>RB.3/16</b>                                                                   | 7,6        | 11,2       | 4,8     | 22      | 7,0     |
| <b>RB.7/32</b>                                                                   | 8,7        | 11,2       | 5,5     | 22      | 8,0     |
| <b>RB.1/4</b>                                                                    | 9,7        | 11,2       | 6,0     | 22      | 8,0     |
| <b>RB.9/32</b>                                                                   | 10,6       | 11,2       | 6,0     | 22      | 10,5    |
| <b>RB.5/16</b>                                                                   | 11,9       | 11,9       | 6,5     | 22      | 10,0    |
| <b>RB.11/32</b>                                                                  | 12,9       | 12,9       | 6,5     | 22      | 11,5    |
| <b>RB.3/8</b>                                                                    | 13,7       | 13,7       | 7,8     | 22      | 14,0    |
| <b>RB.7/16</b>                                                                   | 15,8       | 14,8       | 9,0     | 22      | 17,0    |
| <b>RB.1/2</b>                                                                    | 16,9       | 16,0       | 10,0    | 22      | 18,5    |
| <b>RB.9/16</b>                                                                   | 18,7       | 17,5       | 10,0    | 22      | 22,0    |

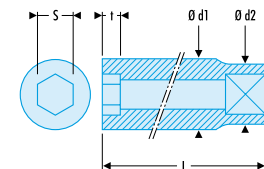


## ▶ Long-reach sockets 1/4" OGV®

### R.LA 1/4" long-reach metric 6-point OGV® sockets

▷ Performance : to ISO 2725-1, DIN 3124, NF ISO 2725-1.

|  | S<br>mm | Ø d1<br>mm | Ø d2<br>mm | t<br>mm | L<br>mm | ΔΔ<br>g |
|----------------------------------------------------------------------------------|---------|------------|------------|---------|---------|---------|
| <b>R.3,2LA</b>                                                                   | 3,2     | 5,80       | 12,0       | 1,8     | 50,5    | 18      |
| <b>R.4LA</b>                                                                     | 4,0     | 6,80       | 12,0       | 2,0     | 50,5    | 18      |
| <b>R.5LA</b>                                                                     | 5,0     | 8,10       | 12,0       | 2,3     | 50,5    | 18      |
| <b>R.5,5LA</b>                                                                   | 5,5     | 8,10       | 12,0       | 3,0     | 50,5    | 18      |
| <b>R.6LA</b>                                                                     | 6,0     | 9,40       | 12,0       | 5,6     | 50,5    | 18      |
| <b>R.7LA</b>                                                                     | 7,0     | 10,9       | 12,0       | 7,1     | 50,5    | 27      |
| <b>R.8LA</b>                                                                     | 8,0     | 12,0       | 12,0       | 7,9     | 50,5    | 27      |
| <b>R.9LA</b>                                                                     | 9,0     | 12,8       | 12,8       | 7,9     | 50,5    | 32      |
| <b>R.10LA</b>                                                                    | 10,0    | 14,3       | 14,3       | 7,9     | 50,5    | 41      |
| <b>R.11LA</b>                                                                    | 11,0    | 16,0       | 16,0       | 7,9     | 50,5    | 54      |
| <b>R.12LA</b>                                                                    | 12,0    | 16,8       | 16,8       | 8,4     | 50,5    | 50      |
| <b>R.13LA</b>                                                                    | 13,0    | 18,2       | 18,2       | 8,4     | 50,5    | 59      |
| <b>R.14LA</b>                                                                    | 14,0    | 19,2       | 19,2       | 10,2    | 50,5    | 68      |

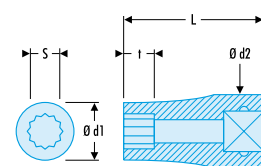


### R.EL 1/4" long-reach inch 12-point OGV® sockets

▷ Performance : to AS954E, ASME B 107.1.

- High performance, suitable for aircraft fasteners to AS954E.
- Thinner socket walls for better accessibility.
- Facom OGV® 12 point profile ensures :
  - Reduced stress.
  - Better protection of 6 and 12-point screw heads.
  - High durability.
- Available as a rack set reference : REL.40U.

|  | S<br>" | Ø d1<br>mm | Ø d2<br>mm | t<br>mm | L<br>mm | ΔΔ<br>g |
|-------------------------------------------------------------------------------------|--------|------------|------------|---------|---------|---------|
| <b>R.3/16EL</b>                                                                     | 3/16   | 7,7        | 10,9       | 6       | 50      | 14      |
| <b>R.7/32EL</b>                                                                     | 7/32   | 8,5        | 10,9       | 7,4     | 50      | 15      |
| <b>R.1/4EL</b>                                                                      | 1/4    | 9,4        | 10,9       | 7,4     | 50      | 17      |
| <b>R.9/32EL</b>                                                                     | 9/32   | 10,2       | 10,9       | 8,5     | 50      | 17      |
| <b>R.5/16EL</b>                                                                     | 5/16   | 11,4       | 11,8       | 9       | 50      | 23      |
| <b>R.11/32EL</b>                                                                    | 11/32  | 12,5       | 12         | 9,7     | 50      | 25      |
| <b>R.3/8EL</b>                                                                      | 3/8    | 13,7       | 12,8       | 11,2    | 50      | 32      |
| <b>R.7/16EL</b>                                                                     | 7/16   | 15,6       | 14,3       | 11,9    | 50      | 40      |
| <b>R.1/2EL</b>                                                                      | 1/2    | 17,3       | 16,2       | 13,8    | 50      | 45      |
| <b>R.9/16EL</b>                                                                     | 9/16   | 18,8       | 17,1       | 16,2    | 50      | 49      |



**New**



## Rack set of 1/4" drive sockets

- Racks fit inside tool boxes, in roller cabinets, on panels.
- A range of sockets displayed for easy selection.

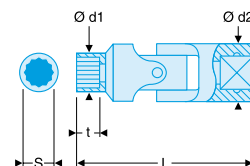
|  | Sizes                                                                         | $\Delta\Delta$<br>g | Rack   |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------|--------|
| <b>R.40E</b>                                                                      | R : 3,2 - 4 - 5 - 5,5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14                | 255                 | CKS.93 |
| <b>RL.40E</b>                                                                     | RL : 3,2 - 4 - 5 - 5,5 - 6 - 7 - 8 - 9                                        | 220                 | CKS.89 |
| <b>RL.41E</b>                                                                     | RL : 10 - 11 - 12 - 13 - 14                                                   | 310                 | CKS.89 |
| <b>R.40U</b>                                                                      | R : 3/16 - 7/32 - 1/4 - 9/32 - 5/16 - 11/32 - 3/8 - 13/32 - 7/16 - 1/2 - 9/16 | 235                 | CKS.93 |
| <b>REL.40U</b>                                                                    | REL : 3/16 - 7/32 - 1/4 - 9/32 - 5/16 - 11/32 - 3/8 - 7/16 - 1/2 - 9/19       | 345                 | CKS.93 |



## R.F 1/4" drive hinged inch 12-point OGV® sockets

▷ Performance : to ANSI B 107.1, GGG.W.641E, ASME B 107.1.

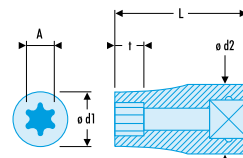
|  | Ø d1<br>mm | Ø d2<br>mm | t<br>mm | L<br>mm | $\Delta\Delta$<br>g |
|-----------------------------------------------------------------------------------|------------|------------|---------|---------|---------------------|
| <b>R.3/16F</b>                                                                    | 8,0        | 13,0       | 5,3     | 31,6    | 13                  |
| <b>R.7/32F</b>                                                                    | 8,5        | 13,0       | 6,1     | 32,4    | 13                  |
| <b>R.1/4F</b>                                                                     | 9,8        | 13,0       | 6,5     | 32,8    | 13                  |
| <b>R.9/32F</b>                                                                    | 10,5       | 13,0       | 6,5     | 32,8    | 13                  |
| <b>R.5/16F</b>                                                                    | 12,0       | 13,0       | 7,0     | 33,3    | 14                  |
| <b>R.11/32F</b>                                                                   | 13,3       | 13,0       | 7,0     | 33,3    | 16                  |
| <b>R.3/8F</b>                                                                     | 13,7       | 13,0       | 8,3     | 34,6    | 21                  |
| <b>R.7/16F</b>                                                                    | 15,5       | 13,0       | 9,5     | 35,8    | 27                  |
| <b>R.1/2F</b>                                                                     | 18,0       | 13,0       | 10,5    | 36,8    | 34                  |
| <b>R.9/16F</b>                                                                    | 19,2       | 13,0       | 10,5    | 36,8    | 35                  |

▶ Long-reach sockets  1/4" Torx®

## RTX 1/4" drive Torx® sockets

- Drive  1/4".
- For Torx® fasteners.
- Manual use.
- Chrome finish.

|  | Torx®<br>no. | I★<br>A mm | Ø d1<br>mm | Ø d2<br>mm | t<br>mm | L<br>mm | $\Delta\Delta$<br>g |
|-------------------------------------------------------------------------------------|--------------|------------|------------|------------|---------|---------|---------------------|
| <b>RTX.4</b>                                                                        | E4           | 3,70       | 5,4        | 11,2       | 3,2     | 22      | 8                   |
| <b>RTX.5</b>                                                                        | E5           | 4,58       | 6,7        | 11,2       | 3,0     | 22      | 8                   |
| <b>RTX.6</b>                                                                        | E6           | 5,54       | 7,7        | 11,2       | 3,6     | 22      | 8                   |
| <b>RTX.7</b>                                                                        | E7           | 6,22       | 8,3        | 11,2       | 3,6     | 22      | 8                   |
| <b>RTX.8</b>                                                                        | E8           | 7,29       | 9,6        | 11,2       | 4,3     | 22      | 9                   |
| <b>RTX.10</b>                                                                       | E10          | 9,19       | 11,3       | 12,0       | 5,6     | 22      | 11                  |



## Set of 1/4" drive Torx® sockets

## RTX.40

- Sockets supplied on a rack.

|  |  | Dimensions<br>Torx®          | Rack   | $\Delta\Delta$<br>g |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------|--------|---------------------|
| <b>RTX.40</b>                                                                       | 6                                                                                   | E4 - E5 - E6 - E7 - E8 - E10 | CKS.89 | 90                  |



## ► Bit sockets 1/4"

### RT 1/4" drive metric and inch bit sockets

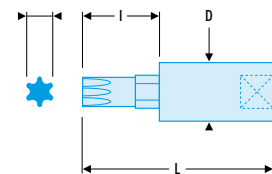
- Removable bits.
- Metric and inch sizes.

|  | S     | Ø d  | Components                                                                        |                                                                                   | I  | L  | ΔΔ |
|----------------------------------------------------------------------------------|-------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----|----|----|
|                                                                                  | mm    | mm   |  |  | mm | mm | g  |
| <b>RT.2</b>                                                                      | 2,00  | 11,3 | R.245                                                                             | EH.102                                                                            | 15 | 37 | 18 |
| <b>RT.2,5</b>                                                                    | 2,50  | 11,3 | R.245                                                                             | EH.102,5                                                                          | 15 | 37 | 18 |
| <b>RT.3</b>                                                                      | 3,00  | 11,3 | R.245                                                                             | EH.103                                                                            | 15 | 37 | 18 |
| <b>RT.4</b>                                                                      | 4,00  | 11,3 | R.245                                                                             | EH.104                                                                            | 15 | 37 | 18 |
| <b>RT.5</b>                                                                      | 5,00  | 11,3 | R.245                                                                             | EH.105                                                                            | 15 | 37 | 19 |
| <b>RT.6</b>                                                                      | 6,00  | 11,3 | R.245                                                                             | EH.106                                                                            | 15 | 37 | 20 |
| <b>RT.7</b>                                                                      | 7,00  | 11,3 | R.245                                                                             | EH.107                                                                            | 15 | 37 | 21 |
| <b>RT.8</b>                                                                      | 8,00  | 11,3 | R.245                                                                             | EH.108                                                                            | 15 | 37 | 22 |
| <b>RT.10</b>                                                                     | 10,00 | 11,3 | R.245                                                                             | EH.110                                                                            | 15 | 37 | 24 |
| <b>RT.1/8</b>                                                                    | 3,17  | 11,3 | R.245                                                                             | EH.101/8                                                                          | 15 | 37 | 18 |
| <b>RT.5/32</b>                                                                   | 3,96  | 11,3 | R.245                                                                             | EH.105/32                                                                         | 15 | 37 | 18 |
| <b>RT.3/16</b>                                                                   | 4,76  | 11,3 | R.245                                                                             | EH.103/16                                                                         | 15 | 37 | 18 |
| <b>RT.7/32</b>                                                                   | 5,56  | 11,3 | R.245                                                                             | EH.107/32                                                                         | 15 | 37 | 19 |
| <b>RT.1/4</b>                                                                    | 6,35  | 11,3 | R.245                                                                             | EH.101/4                                                                          | 15 | 37 | 20 |



### RX 1/4" drive Torx® bit sockets

|  | Torx® | I    | Components                                                                        |                                                                                   | D    | I  | L  | ΔΔ |
|----------------------------------------------------------------------------------|-------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|----|----|----|
|                                                                                  | no.   | A mm |  |  | mm   | mm | mm | g  |
| <b>RX.6</b>                                                                      | T6    | 1,65 | R.245                                                                             | R.245                                                                             | 11,3 | 16 | 38 | 17 |
| <b>RX.7</b>                                                                      | T7    | 1,97 | R.245                                                                             | R.245                                                                             | 11,3 | 16 | 38 | 17 |
| <b>RX.8</b>                                                                      | T8    | 2,30 | R.245                                                                             | R.245                                                                             | 11,3 | 16 | 38 | 17 |
| <b>RX.9</b>                                                                      | T9    | 2,48 | R.245                                                                             | R.245                                                                             | 11,3 | 16 | 38 | 17 |
| <b>RX.10</b>                                                                     | T10   | 2,72 | R.245                                                                             | R.245                                                                             | 11,3 | 16 | 38 | 17 |
| <b>RX.15</b>                                                                     | T15   | 3,26 | R.245                                                                             | R.245                                                                             | 11,3 | 16 | 38 | 17 |
| <b>RX.20</b>                                                                     | T20   | 3,84 | R.245                                                                             | R.245                                                                             | 11,3 | 16 | 38 | 18 |
| <b>RX.25</b>                                                                     | T25   | 4,40 | R.245                                                                             | R.245                                                                             | 11,3 | 16 | 38 | 18 |
| <b>RX.27</b>                                                                     | T27   | 4,96 | R.245                                                                             | R.245                                                                             | 11,3 | 16 | 38 | 18 |
| <b>RX.30</b>                                                                     | T30   | 5,49 | R.245                                                                             | R.245                                                                             | 11,3 | 16 | 38 | 18 |
| <b>RX.40</b>                                                                     | T40   | 6,60 | R.245                                                                             | R.245                                                                             | 11,3 | 16 | 38 | 18 |

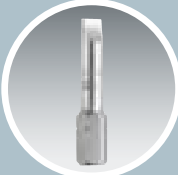




## Create your own bit sockets



?



**Bits**



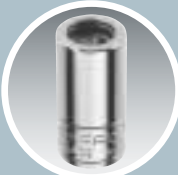




Series 1  1/4"

Series 2  5/16"

See section 7 p. 345



**Bit holders  1/4"**



► **R.235**

○ 1/4" (6,35 mm)  
Standard spring clip



► **R.245**

○ 1/4" (6,35 mm)  
Heavy-duty spring clip

p. 359



# Junior 3/8" range.

## ► Socket sets 3/8"

 3/8"

Metric socket sets

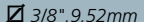
 J.501 
 J.500 

 J.431P 
 J.430AP 

 J.420E 

 J.431ASP 
 J.430ASP 

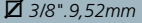

## LOCKING RATCHETS AND EXTENSIONS : NO MORE LOST SOCKETS

|    |                   | J.501   | J.500   | J.430AP | J.431P  | J.420E            | J.431ASP          | J.430ASP |
|-------------------------------------------------------------------------------------|-------------------|---------|---------|---------|---------|-------------------|-------------------|----------|
|    | J.171             | J.171   | J.161   | J.161   | J.151A  | J.161             | J.161             | J.161    |
|    | 6                 | 12      | 12      | 6       | 12      | 6                 | 12                | 12       |
|    | 3/8" .9,52mm      | J.H     | J.      | J.      | J.H     | J.                | J.H               | J.       |
|    | 7                 |         |         |         |         | •                 |                   |          |
|                                                                                     | 8                 | •       | •       | •       | •       | •                 | •                 | •        |
|                                                                                     | 9                 | •       | •       | •       | •       | •                 | •                 | •        |
|                                                                                     | 10                | •       | •       | •       | •       | •                 | •                 | •        |
|                                                                                     | 11                | •       | •       | •       | •       | •                 | •                 | •        |
|                                                                                     | 12                | •       | •       | •       | •       | •                 | •                 | •        |
|                                                                                     | 13                | •       | •       | •       | •       | •                 | •                 | •        |
|                                                                                     | 14                | •       | •       | •       | •       | •                 | •                 | •        |
|                                                                                     | 15                | •       | •       | •       | •       | •                 | •                 | •        |
|                                                                                     | 16                | •       | •       | •       | •       | •                 | •                 | •        |
|                                                                                     | 17                | •       | •       | •       | •       | •                 | •                 | •        |
|                                                                                     | 18                | •       | •       | •       | •       | •                 | •                 | •        |
|                                                                                     | 19                | •       | •       | •       | •       | •                 | •                 | •        |
|                                                                                     | 20                |         |         |         |         | •                 |                   |          |
|                                                                                     | 21                | •       | •       | •       | •       | •                 | •                 | •        |
|                                                                                     | 22                | •       | •       | •       | •       | •                 | •                 | •        |
|                                                                                     | 23                |         |         |         |         | •                 |                   |          |
|                                                                                     | 24                |         |         |         |         | •                 |                   |          |
|  | J.210             |         |         | •       | •       |                   | •                 | •        |
|  | J.215             |         |         | •       | •       |                   | •                 | •        |
|  | J.120A            | •       | •       | •       | •       |                   | •                 | •        |
|  | J.240A            | •       | •       | •       | •       |                   | •                 | •        |
|  | J.210RC           | •       | •       |         |         |                   |                   |          |
|  | J.215RC           | •       | •       |         |         |                   |                   |          |
|  | J.210S            |         |         |         |         | •                 |                   |          |
|  | J.235             |         |         |         |         |                   | •                 | •        |
|  | J.236             |         |         |         |         |                   | •                 | •        |
|  | ED                |         |         |         |         |                   | •                 | •        |
|  | 3                 |         |         |         |         |                   | •                 | •        |
|  | 4                 |         |         |         |         |                   | •                 | •        |
|  | EH                |         |         |         |         |                   | •                 | •        |
|  | 6                 |         |         |         |         |                   | •                 | •        |
|  | 8                 |         |         |         |         |                   | •                 | •        |
|  | 10                |         |         |         |         |                   | •                 | •        |
|  | ES                |         |         |         |         |                   | •                 | •        |
|  | 6,5               |         |         |         |         |                   | •                 | •        |
|  | 8                 |         |         |         |         |                   | •                 | •        |
|  | 10                |         |         |         |         |                   | •                 | •        |
|  | PL.412A           |         |         |         | PL.13   | PL.19A            | PL.411            |          |
|  | BP.112            |         |         |         | BT.112G | BP.115            | BP.112            |          |
|  | 389 x 164 x 66 mm |         |         |         |         | 322 x 143 x 67 mm | 389 x 164 x 66 mm |          |
|  | 2,20 kg           | 2,20 kg | 1,96 kg | 2,75 kg | 1,50 kg | 2,75 kg           | 2,75 kg           |          |

 3/8"

Metric socket modules

## FACOM MODULES : THE BEST STORAGE SYSTEM FOR YOUR ROLLER CABINETS

|    |         | MOD.J7                                                                                | MOD.J5                                                                                | MOD.J1                                                                                |
|-------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|    |         | J.161 + J.174                                                                         | J.171                                                                                 | J.161                                                                                 |
|    |         |  J.H |  J.H |  J.H |
|     | 7       |                                                                                       |                                                                                       |                                                                                       |
|                                                                                     | 8       | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 9       | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 10      | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 11      | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 12      | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 13      | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 14      | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 15      | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 16      | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 17      | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 18      | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 19      | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 20      |                                                                                       |                                                                                       |                                                                                       |
|                                                                                     | 21      | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 22      | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 23      | •                                                                                     |                                                                                       |                                                                                       |
|                                                                                     | 24      | •                                                                                     |                                                                                       |                                                                                       |
|                                                                                     | J.210   |                                                                                       |                                                                                       | •                                                                                     |
|                                                                                     | J.215   |                                                                                       |                                                                                       | •                                                                                     |
|                                                                                     | J.120A  | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | J.240A  | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | J.210RC | •                                                                                     | •                                                                                     |                                                                                       |
|                                                                                     | J.215RC | •                                                                                     | •                                                                                     |                                                                                       |
|                                                                                     | J.210S  |                                                                                       |                                                                                       |                                                                                       |
|                                                                                     | J.235   |                                                                                       |                                                                                       |                                                                                       |
|                                                                                     | J.236   |                                                                                       |                                                                                       |                                                                                       |
|  | ED      |                                                                                       |                                                                                       |                                                                                       |
|                                                                                     | +       |                                                                                       |                                                                                       |                                                                                       |
|                                                                                     | 2       |                                                                                       |                                                                                       |                                                                                       |
|  | EH      |                                                                                       |                                                                                       |                                                                                       |
|                                                                                     | 0       |                                                                                       |                                                                                       |                                                                                       |
|                                                                                     | 5       |                                                                                       |                                                                                       |                                                                                       |
|                                                                                     | 6       |                                                                                       |                                                                                       |                                                                                       |
|  | ES      |                                                                                       |                                                                                       |                                                                                       |
|                                                                                     | 1/2     |                                                                                       |                                                                                       |                                                                                       |
|                                                                                     | 8       |                                                                                       |                                                                                       |                                                                                       |
|                                                                                     | 10      |                                                                                       |                                                                                       |                                                                                       |
|  |         | PL.665                                                                                | PL.322A                                                                               |                                                                                       |
|                                                                                     |         |                                                                                       | 420 x 180 x 55 mm                                                                     |                                                                                       |
|                                                                                     |         | 2,20 kg                                                                               | 1,75 kg                                                                               | 1,80 kg                                                                               |



 MOD.J7 



 MOD.J5 



 MOD.J1 



**3/8"**

## Metric socket, wrench and bit sets

**J.451EP** **6** **12**



|    |  | J.451EP                                                                           | J.447E                                                                            | JT.415E | JX.415EP | J.426M |
|-------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------|----------|--------|
|    |  | J.161 + J.156                                                                     | J.151                                                                             | J.151A  | J.161    | -      |
|    |  |  |  | -       | -        | -      |
|    |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|    |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|    |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|    |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|    |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|    |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|    |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|    |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|    |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|    |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|    |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|    |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|    |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|    |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|    |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|    |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|    |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|   |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             | -       | -        | -      |
|  |  | J.151A                                                                            | J.151A                                                                            | -       | -        | -      |
|  |  | J.161                                                                             | J.161                                                                             | -       | -        | -      |
|  |  | J.151                                                                             | J.151                                                                             |         |          |        |

## 3/8"

## Inch socket sets

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                     | J.430MU                                                                                 | J.430UP                                                                                 | J.450U                                                                                                                                                                         | J.420AU                                                                                 | MOD.J2                                                                                  |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                     | J.161                                                                                   | J.161                                                                                   | J.151A + J.156                                                                                                                                                                 | J.161                                                                                   | J.161                                                                                   |        |
| <br>3/8".9,52mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                     | <br>J. | <br>J. | <br>J.  J.LA | <br>J. | <br>J. |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1/4                                                                                 | ●                                                                                       | ●                                                                                       | ● ●                                                                                                                                                                            | ●                                                                                       |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5/16                                                                                | ●                                                                                       | ●                                                                                       | ● ●                                                                                                                                                                            | ●                                                                                       | ●                                                                                       |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3/8                                                                                 | ●                                                                                       | ●                                                                                       | ● ●                                                                                                                                                                            | ●                                                                                       | ●                                                                                       |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 7/16                                                                                | ●                                                                                       | ●                                                                                       | ● ●                                                                                                                                                                            | ●                                                                                       | ●                                                                                       |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1/2                                                                                 | ●                                                                                       | ●                                                                                       | ● ●                                                                                                                                                                            | ●                                                                                       | ●                                                                                       |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 9/16                                                                                | ●                                                                                       | ●                                                                                       | ● ●                                                                                                                                                                            | ●                                                                                       | ●                                                                                       |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5/8                                                                                 | ●                                                                                       | ●                                                                                       | ● ●                                                                                                                                                                            | ●                                                                                       | ●                                                                                       |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 11/16                                                                               | ●                                                                                       | ●                                                                                       | ● ●                                                                                                                                                                            | ●                                                                                       | ●                                                                                       |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3/4                                                                                 | ●                                                                                       | ●                                                                                       | ● ●                                                                                                                                                                            | ●                                                                                       | ●                                                                                       |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 13/16                                                                               | ●                                                                                       | ●                                                                                       | ● ●                                                                                                                                                                            | ●                                                                                       | ●                                                                                       |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 7/8                                                                                 | ●                                                                                       | ●                                                                                       | ● ●                                                                                                                                                                            | ●                                                                                       | ●                                                                                       |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 15/16                                                                               | ●                                                                                       | ●                                                                                       | ● ●                                                                                                                                                                            |                                                                                         |                                                                                         |        |
| 1'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ●                                                                                   | ●                                                                                       | ● ●                                                                                     |                                                                                                                                                                                |                                                                                         |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 7                                                                                   | ●                                                                                       |                                                                                         |                                                                                                                                                                                |                                                                                         |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8                                                                                   | ●                                                                                       |                                                                                         |                                                                                                                                                                                |                                                                                         |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 9                                                                                   | ●                                                                                       |                                                                                         |                                                                                                                                                                                |                                                                                         |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10                                                                                  | ●                                                                                       |                                                                                         |                                                                                                                                                                                |                                                                                         |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 11                                                                                  | ●                                                                                       |                                                                                         |                                                                                                                                                                                |                                                                                         |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 12                                                                                  | ●                                                                                       |                                                                                         |                                                                                                                                                                                |                                                                                         |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 13                                                                                  | ●                                                                                       |                                                                                         |                                                                                                                                                                                |                                                                                         |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 14                                                                                  | ●                                                                                       |                                                                                         |                                                                                                                                                                                |                                                                                         |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 15                                                                                  | ●                                                                                       |                                                                                         |                                                                                                                                                                                |                                                                                         |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 16                                                                                  | ●                                                                                       |                                                                                         |                                                                                                                                                                                |                                                                                         |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 17                                                                                  | ●                                                                                       |                                                                                         |                                                                                                                                                                                |                                                                                         |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 18                                                                                  | ●                                                                                       |                                                                                         |                                                                                                                                                                                |                                                                                         |                                                                                         |        |
| 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ●                                                                                   |                                                                                         |                                                                                         |                                                                                                                                                                                |                                                                                         |                                                                                         |        |
| 21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ●                                                                                   |                                                                                         |                                                                                         |                                                                                                                                                                                |                                                                                         |                                                                                         |        |
| 22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ●                                                                                   |                                                                                         |                                                                                         |                                                                                                                                                                                |                                                                                         |                                                                                         |        |
| 24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ●                                                                                   |                                                                                         |                                                                                         |                                                                                                                                                                                |                                                                                         |                                                                                         |        |
| <br><br><br><br><br><br><br> | J.210                                                                               | ●                                                                                       | ●                                                                                       | ●                                                                                                                                                                              | ●                                                                                       | ●                                                                                       |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | J.215                                                                               | ●                                                                                       | ●                                                                                       | ●                                                                                                                                                                              | ●                                                                                       | ●                                                                                       |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | J.120A                                                                              | ●                                                                                       | ●                                                                                       | ●                                                                                                                                                                              |                                                                                         | ●                                                                                       |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | J.240A                                                                              | ●                                                                                       | ●                                                                                       | ●                                                                                                                                                                              |                                                                                         | ●                                                                                       |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | J.110                                                                               |                                                                                         | ●                                                                                       | ●                                                                                                                                                                              |                                                                                         |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | J.235                                                                               |                                                                                         |                                                                                         | ●                                                                                                                                                                              |                                                                                         |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | J.236                                                                               |                                                                                         |                                                                                         | ●                                                                                                                                                                              |                                                                                         |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | J.216                                                                               |                                                                                         |                                                                                         | ●                                                                                                                                                                              |                                                                                         |                                                                                         |        |
| <br><br><br><br><br>                                                                                                                                                                             | J.140A                                                                              |                                                                                         |                                                                                         | ●                                                                                                                                                                              |                                                                                         |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | JT 1/8                                                                              |                                                                                         |                                                                                         | ●                                                                                                                                                                              |                                                                                         |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5/32                                                                                |                                                                                         |                                                                                         | ●                                                                                                                                                                              |                                                                                         |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3/16                                                                                |                                                                                         |                                                                                         | ●                                                                                                                                                                              |                                                                                         |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 7/32                                                                                |                                                                                         |                                                                                         | ●                                                                                                                                                                              |                                                                                         |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1/4                                                                                 |                                                                                         |                                                                                         | ●                                                                                                                                                                              |                                                                                         |                                                                                         |        |
| <br><br><br>                                                                                                                                                                                                                                                                                                                                                         | 5/16                                                                                |                                                                                         |                                                                                         | ●                                                                                                                                                                              |                                                                                         |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3/8                                                                                 |                                                                                         |                                                                                         | ●                                                                                                                                                                              |                                                                                         |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ED 1                                                                                |                                                                                         |                                                                                         | ●                                                                                                                                                                              |                                                                                         |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2                                                                                   |                                                                                         |                                                                                         | ●                                                                                                                                                                              |                                                                                         |                                                                                         |        |
| <br><br><br>                                                                                                                                                                                                                                                                                                                                                         | 3                                                                                   |                                                                                         |                                                                                         | ●                                                                                                                                                                              |                                                                                         |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4                                                                                   |                                                                                         |                                                                                         | ●                                                                                                                                                                              |                                                                                         |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ES 5,5                                                                              |                                                                                         |                                                                                         | ●                                                                                                                                                                              |                                                                                         |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 6,5                                                                                 |                                                                                         |                                                                                         | ●                                                                                                                                                                              |                                                                                         |                                                                                         |        |
| <br><br><br>                                                                                                                                                                                                                                                                                                                                                         | 8                                                                                   |                                                                                         |                                                                                         | ●                                                                                                                                                                              |                                                                                         |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10                                                                                  |                                                                                         |                                                                                         | ●                                                                                                                                                                              |                                                                                         |                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                         | PL.59A                                                                                  | PL.12A                                                                                                                                                                         | PL.78A                                                                                  | PL.69A                                                                                  | PL.601 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                         | BP.109                                                                                  |                                                                                                                                                                                | BT.105                                                                                  | BP.115                                                                                  | -      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                     | 478 x 234 x 72 mm                                                                       |                                                                                         | 540 x 280 x 58 mm                                                                                                                                                              | 332 x 143 x 67 mm                                                                       | 420 x 180 x 55 mm                                                                       |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                     | 4,18 kg                                                                                 | 3,73 kg                                                                                 | 7,38 kg                                                                                                                                                                        | 2,70 kg                                                                                 | 1,52 kg                                                                                 |        |

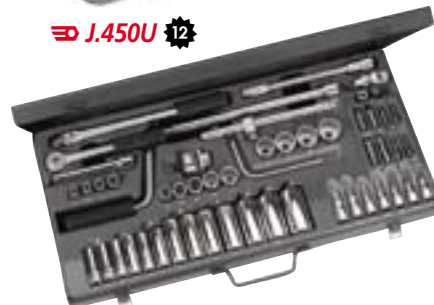
 J.430MU 



 J.430UP 



 J.450U 



 J.420AU 



 MOD.J2 





► Ratchets  3/8" 3/8"

"Junior" ratchets

## Facom round head ratchets

⇒ J.171



⇒ J.161



⇒ J.151A



⇒ J.174



⇒ J.153A



⇒ J.161E



⇒ J.155A



⇒ J.157A



⇒ J.158A



⇒ J.159A

*The solution for congested spaces***Compact :**

- The Facom ratchet mechanism ensures a very compact round head design.

**Precise :**

- 72 tooth mechanism gives increments of only 5°.

**High performance :**

- Meet the requirements of ISO 3315, DIN 312 NF ISO 3315.

**Metal grip ratchets**

- Ideal for environments where PVC grips are vulnerable to solvent attack.

⇒ J.156

Ratchet attachment.  
Female drive :  3/8"  
Male drive :  3/8".

**Facom VSE 1000 V insulated ratchets** **1000VOLTS**  
EN 60900

See the "VSE" series range of 1000 V insulated tools on page

661



 3/8"

## Selection guide



### Locking system

**Safe :** Locking system can resist a socket pull-off force of up to 600 Newtons. No lost sockets.  
**Ergonomic :** Immediate socket release simply by pressing the button, even with slippery or gloved hands.



### Palm control system

**Ergonomic :** Allows the operator to push down on the head of the ratchet while avoiding accidental reversal.



### Long handle

**Power :** Transmits more torque without over-loading the ratchet mechanism.



### Short handle

**Compact :** Ideal for awkward spaces.



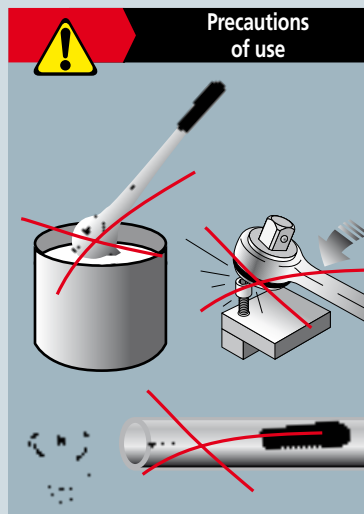
### Metal handle

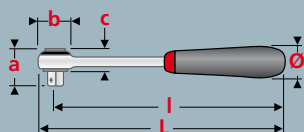
**Sturdy :** Ideal for environments where PVC grips are vulnerable to solvent attack.  
**Grip :** Knurled to avoid all risk of slippage.



### Hinged handle

**Hinged handle with stiffened joint for optimum clearance.**



|  |                 | J.171 | J.161 | J.151A | J.174 | J.153A | J.161E | J.155A | J.157A | J.158A | J.159A | J.156 |
|-------------------------------------------------------------------------------------|-----------------|-------|-------|--------|-------|--------|--------|--------|--------|--------|--------|-------|
| <b>Advantages</b>                                                                   |                 |       |       |        |       |        |        |        |        |        |        |       |
| Locking system                                                                      |                 | ●     |       |        | ●     |        |        |        |        |        |        |       |
| Palm control system                                                                 |                 | ●     | ●     |        | ●     | ●      | ●      | ●      | ●      | ●      | ●      |       |
| Long handle                                                                         |                 |       |       |        | ●     | ●      |        |        | ●      | ●      | ●      |       |
| Short handle                                                                        |                 |       |       |        |       |        | ●      |        |        |        |        |       |
| Metal handle                                                                        |                 |       |       |        |       |        | ●      | ●      | ●      | ●      | ●      |       |
| Hinged handle                                                                       |                 |       |       |        |       | ●      |        |        |        | ●      | ●      |       |
| <b>Characteristics</b>                                                              |                 |       |       |        |       |        |        |        |        |        |        |       |
|   | Increments      | 5°    | 5°    | 5°     | 5°    | 5°     | 5°     | 5°     | 5°     | 5°     | 5°     | 5°    |
|                                                                                     | No of teeth     | 72    | 72    | 72     | 72    | 72     | 72     | 72     | 72     | 72     | 72     | 72    |
|                                                                                     | L (mm)          | 210   | 175   | 175    | 250   | 278    | 110    | 190    | 257    | 273    | 268    | -     |
|                                                                                     | l (mm)          | 195   | 160   | 160    | 234   | 263    | 95     | 175    | 242    | 258    | 253    | -     |
|                                                                                     | a (mm)          | 36    | 32    | 29     | 36    | 32     | 32     | 32     | 32     | 32     | 31     | 53    |
|                                                                                     | b (mm)          | 32.5  | 29.5  | 29.5   | 32.5  | 29.5   | 29.5   | 29.5   | 29.5   | 29.5   | 30     | 39    |
|                                                                                     | c (mm)          | 24    | 21    | 18     | 24    | 21     | 21     | 21     | 21     | 21     | 20     | 42    |
|                                                                                     | Ø (mm)          | 28    | 25    | 21     | 28    | 25     | 14     | 16     | 16     | 16     | 16     | -     |
|                                                                                     | ΔΔ g            | 260   | 210   | 200    | 320   | 315    | 140    | 260    | 320    | 350    | 375    | 200   |
|                                                                                     |                 |       |       |        |       |        |        |        |        |        |        |       |
| <b>Maintenance</b>                                                                  |                 |       |       |        |       |        |        |        |        |        |        |       |
|   | Knurl caps      |       |       |        |       |        |        |        |        |        |        |       |
|                                                                                     | J.161C          |       | ●     |        |       | ●      | ●      | ●      | ●      | ●      | ●      |       |
|                                                                                     | S.156C          |       |       |        |       |        |        |        |        |        |        | ●     |
|                                                                                     | J.151AC         |       |       | ●      |       |        |        |        |        |        |        |       |
|   | Spare parts kit |       |       |        |       |        |        |        |        |        |        |       |
|                                                                                     | J.161RN         |       | ●     |        |       | ●      | ●      | ●      | ●      | ●      | ●      |       |
|                                                                                     | S.151RN         |       |       |        |       |        |        |        |        |        |        | ●     |
|                                                                                     | J.151RN         |       |       | ●      |       |        |        |        |        |        |        |       |
|   | Square drives   |       |       |        |       |        |        |        |        |        |        |       |
|                                                                                     | J.151AR         |       | ●     | ●      |       | ●      | ●      | ●      | ●      | ●      | ●      |       |
|                                                                                     | J.151R          |       |       |        |       |        |        |        |        |        |        | ●     |

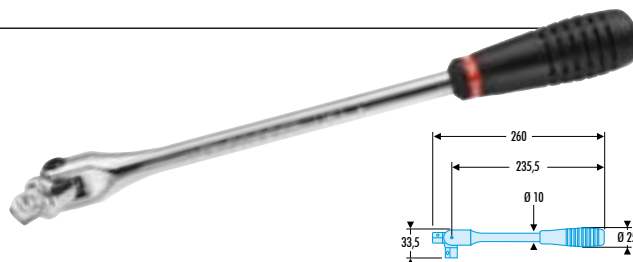
► **Accessories**  3/8"**3/8" drive hinged handle 260 mm****J.140A**

► Performance : to ISO 3315, DIN 3122, NF ISO 3315.

• Stiffened joint.

• Chrome finish.

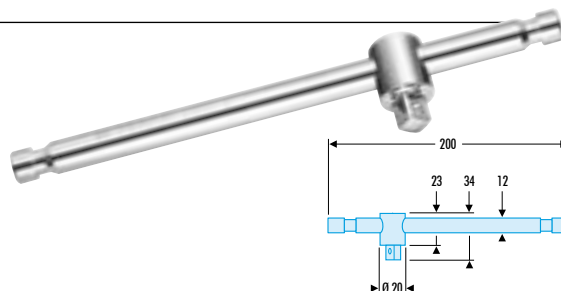
ΔΔ : 230 g.

**3/8" drive sliding tee****J.120**

► Performance : to ISO 3315, DIN 3122, NF ISO 3315.

• Friction-head allows bar to form a T or L-handle.

ΔΔ : 215 g.

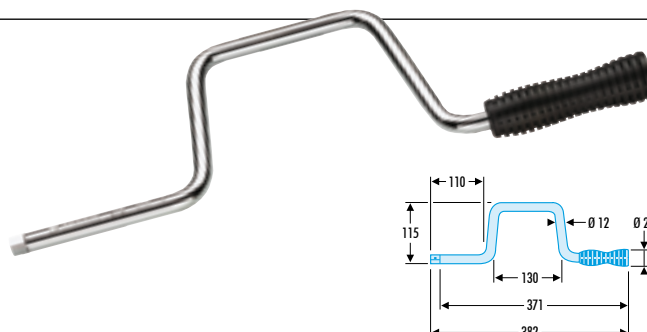
**3/8" drive speed brace****J.110A**

► Performance : to ISO 3315, DIN ISO 3122, NF ISO 3315.

• For fast rotation.

• PVC rotating handle.

ΔΔ : 395 g.

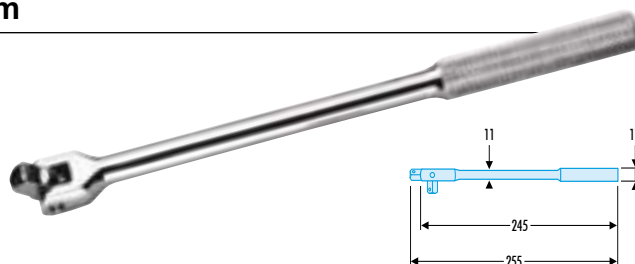
**3/8" drive metal-grip hinged handle 255 mm****J.145**

► Performance : to ISO 3315, DIN 3122, NF ISO 3315.

• Stiffened joint.

• Chrome finish.

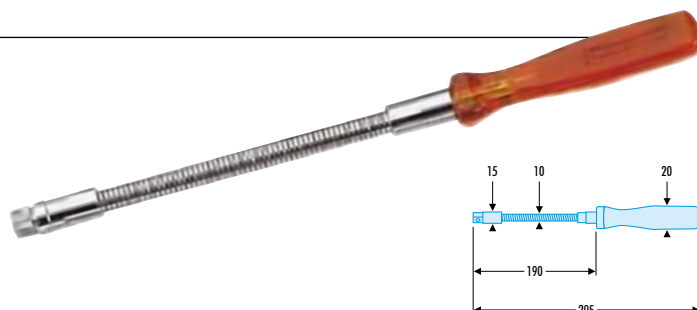
ΔΔ : 290 g.

**3/8" drive flexible spinner 295 mm****J.222**

• For fasteners where access is difficult.

• Unsuitable for high torques : max. 3 N.m.

ΔΔ : 180 g.



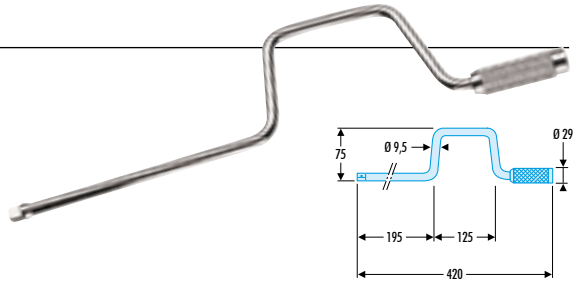
# Junior 3/8" range.

## 3/8" drive metal-grip speed brace

### J.115

▷ Performance : to ISO 3315, DIN ISO 3122, NF ISO 3315.

- For fast rotation.
  - Metal rotating handle.
- ΔΔ : 425 g.

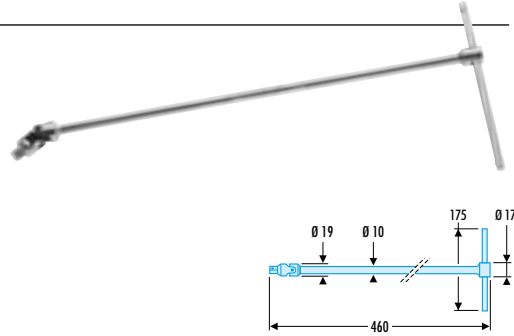


## 3/8" drive tee with universal joint 450 mm

### J.229A

▷ Performance : to ISO 1174-1, DIN 3120, NF ISO 1174-1.

- Universal joint withstands high torques and is spring-steadied in position.
  - Long reach and working angle up to 65° allows access to recessed fasteners.
  - Length 450 mm.
  - Tee handle.
- ΔΔ : 410 g.

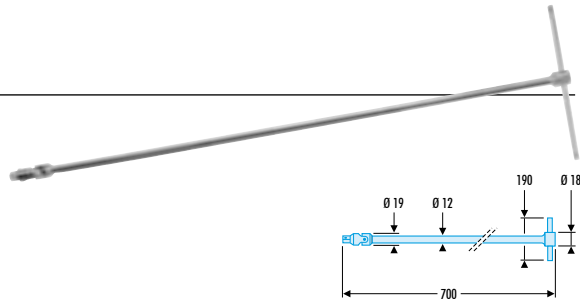


## 3/8" drive tee with universal joint 700 mm

### J.228

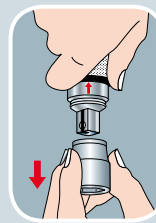
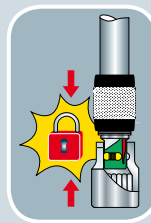
▷ Performance : to ISO 1174-1, DIN 3120, NF ISO 1174-1.

- Tee handle.
- ΔΔ : 660 g.



## Locking system = total safety

- Resists a socket pull-off load of over 60 kg
- Prevents accidental socket loss
- Instantly unlocks by retracting the knurled ring.

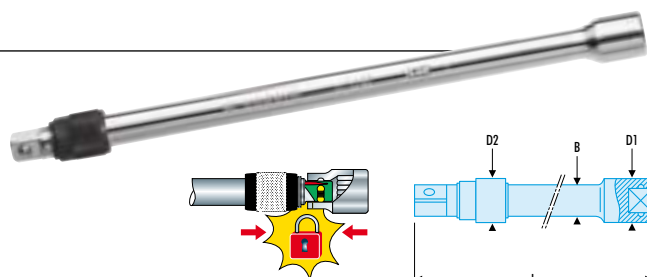


Use only with sockets equipped with an internal ball notch.

## J.RC 3/8" drive locking extensions

- Lock system prevents socket loss for total safety.

|         | B<br>mm | D1<br>mm | D2<br>mm | L<br>mm | ΔΔ<br>g |
|---------|---------|----------|----------|---------|---------|
| J.210RC | 12,5    | 18       | 18       | 125     | 135     |
| J.215RC | 12,5    | 18       | 18       | 250     | 240     |
| J.217RC | 12,5    | 18       | 18       | 500     | 490     |

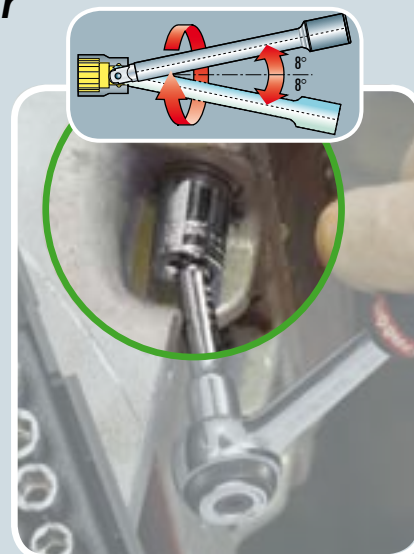






## Wobble extensions

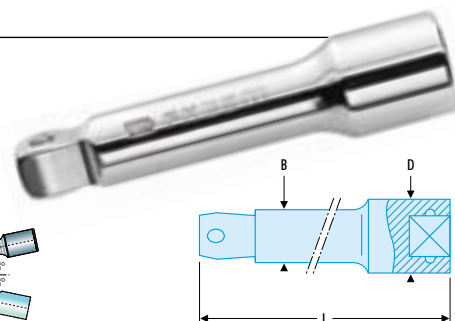
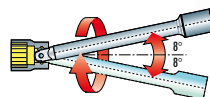
*Inaccessible with a socket or a universal joint?  
Use a wobble extension !*



### J.S 3/8" drive wobble extensions

- Square drive profile gives 8° working angle.
- Useful where access is limited.

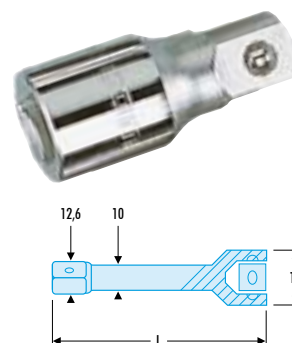
|  | B<br>mm | D<br>mm | L<br>mm | ΔΔ<br>g |
|-------------------------------------------------------------------------------------|---------|---------|---------|---------|
| J.209S                                                                              | 12,5    | 18      | 75      | 80      |
| J.210S                                                                              | 12,5    | 18      | 125     | 130     |



### J 3/8" drive extensions

▷ Performance : to ISO 3316, DIN 3123, NF ISO 3316.

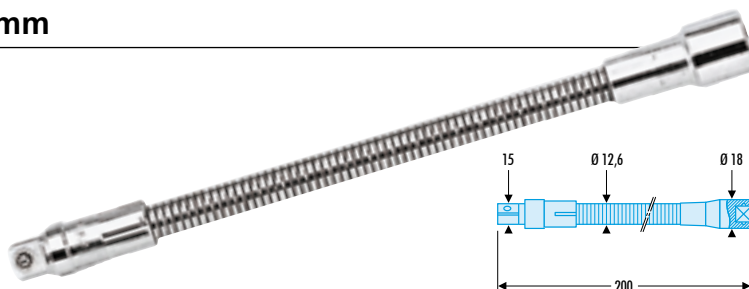
|  | L<br>mm | ΔΔ<br>g |
|-------------------------------------------------------------------------------------|---------|---------|
| J.208                                                                               | 50      | 62      |
| J.209                                                                               | 75      | 86      |
| J.210                                                                               | 125     | 127     |
| J.215                                                                               | 250     | 230     |
| J.217                                                                               | 500     | 445     |



### R 3/8" drive flexible extension 200 mm

#### J.216

- Unsuitable for high torques.
- ΔΔ : 145 g.



# Junior 3/8" range.

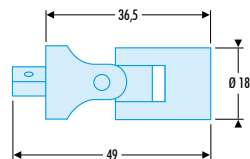
## 3/8" universal joint

### J.240A

▷ Performance : to ISO 3316, DIN 3123, NF ISO 3316.

- Spring-stiffened joints.

ΔΔ : 60 g.



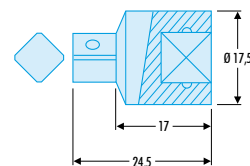
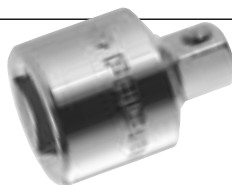
## 3/8" to 1/4" coupler

### J.230

▷ Performance : to ISO 3316, DIN 3123, NF ISO 3316.

- For adapting 1/4" drive sockets.
- Max. torque 62 N.m.

ΔΔ : 25 g.



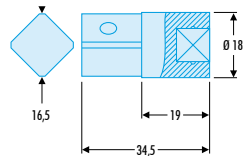
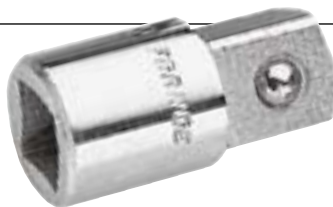
## 3/8" to 1/2" coupler

### J.232

▷ Performance : to ISO 3316, DIN 3123, NF ISO 3316.

- For adapting 1/2" drive sockets.

ΔΔ : 45 g.



## Set of 3 couplers

### D.169

- Allows use of square drives smaller than socket drive sizes :

- 1/4" square drive + D.169RJ ▷ 3/8" socket.

- 3/8" square drive + D.169JS ▷ 1/2" socket.

- 1/2" square drive + D.169SK ▷ 3/4" socket.

- Compactness means that fewer tools are needed for in situ maintenance operations.

- Magnetic retainer and locking system (JS and SK).

- Knurl allows hand tightening where access is difficult.

ΔΔ : 96 g.

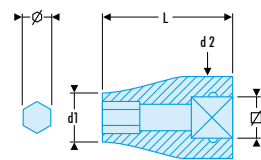


## 3/8" drive spring-clip bit holders

- Spring clip bit holding system.

- For frequent bit changes.

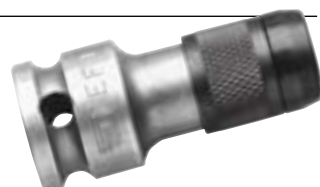
|  | Ø"   |  | d1 mm | d2 mm | L mm | ΔΔ g |
|------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------|------|------|
| J.235                                                                              | 1/4  | 3/8                                                                                 | 11,3  | 18,0  | 30   | 26   |
| J.236                                                                              | 5/16 | 3/8                                                                                 | 14    | 18,0  | 30   | 30   |



## 3/8" drive lock-ring bit holder

### EF.J

|  | Ø"  |  | Length mm | ΔΔ g |
|------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|-----------|------|
| EF.J                                                                               | 1/4 | 3/8                                                                                 | 43        | 48   |



► **Sockets  3/8" OGV®****Facom OGV® profile****HIGHER TORQUE WITHOUT  
DAMAGE TO FASTENERS !**

The OGV® profile is achieved by a succession of curves instead of the flats found in conventional sockets®.

- **More powerful tightening :**

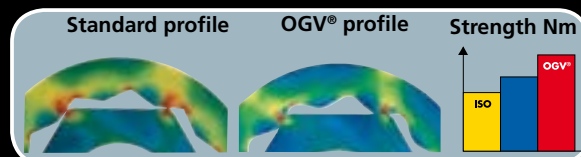
Larger contact area between socket and fastener minimises stress.

- **Less wear :**

Torque is transmitted through the fastener flats instead of the corners.

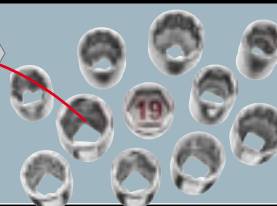
- **Increased durability :**

Stress concentration in the corners is eliminated.

**TAG socket inserts**

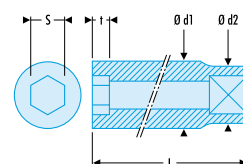
- Immediately identify your sockets.
- 6- or 12-point sockets.

⇒ TAG

**J 3/8" drive metric 6 and 12-point OGV® sockets**

► Performance : to ISO 2725-1, DIN 3124, NF ISO 2725-1.

|  |  | S  | Ø d1 | Ø d2 | t    | L  | ΔΔ |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|------|------|------|----|----|
|                                                                                     |                                                                                     | mm | mm   | mm   | mm   | mm | g  |
| J.7H                                                                                | J.7                                                                                 | 7  | 11,0 | 17,6 | 6,0  | 27 | 24 |
| J.8H                                                                                | J.8                                                                                 | 8  | 12,2 | 17,6 | 6,5  | 27 | 25 |
| J.9H                                                                                | J.9                                                                                 | 9  | 13,5 | 17,6 | 6,7  | 27 | 25 |
| J.10H                                                                               | J.10                                                                                | 10 | 14,7 | 17,6 | 7,8  | 27 | 26 |
| J.11H                                                                               | J.11                                                                                | 11 | 16,0 | 17,6 | 9,0  | 27 | 27 |
| J.12H                                                                               | J.12                                                                                | 12 | 17,2 | 17,6 | 9,5  | 27 | 26 |
| J.13H                                                                               | J.13                                                                                | 13 | 18,3 | 17,4 | 10,4 | 30 | 36 |
| J.14H                                                                               | J.14                                                                                | 14 | 19,5 | 17,6 | 10,5 | 30 | 34 |
| J.15H                                                                               | J.15                                                                                | 15 | 20,8 | 18,9 | 12,0 | 30 | 38 |
| J.16H                                                                               | J.16                                                                                | 16 | 22   | 19,9 | 12,0 | 30 | 45 |
| J.17H                                                                               | J.17                                                                                | 17 | 23,4 | 21,7 | 13,0 | 30 | 52 |
| J.18H                                                                               | J.18                                                                                | 18 | 24,7 | 21,7 | 13,0 | 33 | 69 |
| J.19H                                                                               | J.19                                                                                | 19 | 26,0 | 22,7 | 14,0 | 33 | 62 |
| J.20H                                                                               | J.20                                                                                | 20 | 27,2 | 22,2 | 15,0 | 33 | 70 |
| J.21H                                                                               | J.21                                                                                | 21 | 28,5 | 23,5 | 16,0 | 33 | 75 |

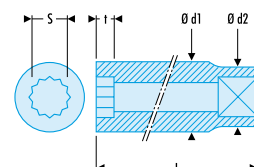


|  |  | S  | Ø d1 | Ø d2 | t    | L  | ΔΔ |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|------|------|------|----|----|
|                                                                                     |                                                                                     | mm | mm   | mm   | mm   | mm | g  |
| J.22H                                                                               | J.22                                                                                | 22 | 29,7 | 24,7 | 16,5 | 33 | 80 |
| J.23H                                                                               | J.23                                                                                | 23 | 31,0 | 26,0 | 16,5 | 33 | 90 |
| J.24H                                                                               | J.24                                                                                | 24 | 31,3 | 26,3 | 16,5 | 33 | 86 |

**J 3/8" drive inch 12-point OGV® sockets**

► Performance : to GGG.W.641E, ANSI B 107.1, ASME B 107.1.

|  | S     | Ø d1  | Ø d2 | t    | L    | ΔΔ |
|-------------------------------------------------------------------------------------|-------|-------|------|------|------|----|
|                                                                                     | mm    | mm    | mm   | mm   | mm   | g  |
| J.1/4                                                                               | 1/4   | 6,35  | 10,0 | 17,5 | 6,0  | 27 |
| J.5/16                                                                              | 5/16  | 7,95  | 11,9 | 17,5 | 6,5  | 27 |
| J.3/8                                                                               | 3/8   | 9,53  | 14,1 | 17,6 | 7,5  | 27 |
| J.7/16                                                                              | 7/16  | 11,11 | 16,0 | 17,5 | 9,0  | 27 |
| J.1/2                                                                               | 1/2   | 12,70 | 18,1 | 17,5 | 10,4 | 30 |
| J.9/16                                                                              | 9/16  | 14,29 | 19,5 | 17,7 | 10,5 | 30 |
| J.5/8                                                                               | 5/8   | 15,88 | 22,0 | 20,0 | 12,0 | 30 |
| J.11/16                                                                             | 11/16 | 17,46 | 24,0 | 21,0 | 13,0 | 33 |
| J.3/4                                                                               | 3/4   | 19,05 | 26   | 22,7 | 14,0 | 33 |
| J.13/16                                                                             | 13/16 | 20,64 | 28,0 | 23,0 | 16,0 | 33 |
| J.7/8                                                                               | 7/8   | 22,23 | 29,7 | 24,7 | 16,5 | 33 |
| J.15/16                                                                             | 15/16 | 23,81 | 31,3 | 26,3 | 16,5 | 33 |
| J.1"                                                                                | 1     | 25,40 | 33,3 | 28,3 | 16,5 | 33 |

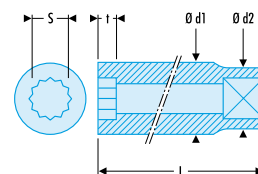


## JB 3/8" drive inch 12-point OGV® sockets

▷ Performance : to AS.954E.

• Used for aeronautical applications.

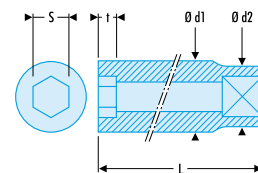
|  | Ø d1<br>mm | Ø d2<br>mm | t<br>mm | L<br>mm | ΔΔ<br>g |
|----------------------------------------------------------------------------------|------------|------------|---------|---------|---------|
| JB.1/4                                                                           | 9,7        | 16,7       | 6,0     | 27      | 20      |
| JB.5/16                                                                          | 11,7       | 16,7       | 6,8     | 27      | 21      |
| JB.11/32                                                                         | 12,7       | 16,7       | 6,8     | 27      | 22      |
| JB.3/8                                                                           | 13,7       | 16,7       | 7,5     | 27      | 23      |
| JB.7/16                                                                          | 15,6       | 16,7       | 9,0     | 27      | 24      |
| JB.1/2                                                                           | 17,6       | 16,7       | 10,4    | 30      | 27      |
| JB.9/16                                                                          | 19,6       | 18,5       | 10,5    | 30      | 33      |
| JB.5/8                                                                           | 21,6       | 20,0       | 12,0    | 30      | 42      |
| JB.11/16                                                                         | 23,6       | 22,0       | 13,0    | 32      | 50      |
| JB.3/4                                                                           | 25,4       | 22,8       | 15,0    | 32      | 55      |
| JB.13/16                                                                         | 27,4       | 24,0       | 16,0    | 32      | 68      |
| JB.7/8                                                                           | 29,4       | 24,0       | 16,0    | 32      | 68      |



## J.HLA 3/8" drive long-reach metric 6 and 12-point OGV® sockets

▷ Performance : to ISO 2725-1, DIN 3124, NF ISO 2725-1.

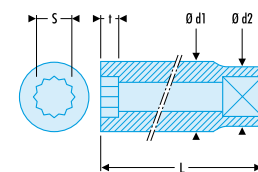
|  |  | S<br>mm | Ø d1<br>mm | Ø d2<br>mm | t<br>mm | L<br>mm | ΔΔ<br>g |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------|------------|------------|---------|---------|---------|
| J.7HLA                                                                           | J.7LA                                                                             | 7       | 10,6       | 17,3       | 6       | 55      | 44      |
| J.8HLA                                                                           | J.8LA                                                                             | 8       | 12         | 17,3       | 7,5     | 55      | 46      |
| J.9HLA                                                                           | J.9LA                                                                             | 9       | 13         | 17,3       | 7,5     | 55      | 47      |
| J.10HLA                                                                          | J.10LA                                                                            | 10      | 14,5       | 17,3       | 9       | 55      | 50      |
| J.11HLA                                                                          | J.11LA                                                                            | 11      | 16         | 17,3       | 10,5    | 55      | 53      |
| J.12HLA                                                                          | J.12LA                                                                            | 12      | 16,8       | 17,2       | 12      | 55      | 53      |
| J.13HLA                                                                          | J.13LA                                                                            | 13      | 18         | 17         | 12      | 55      | 54      |
| J.14HLA                                                                          | J.14LA                                                                            | 14      | 20         | 18         | 15      | 55      | 60      |
| J.15HLA                                                                          | J.15LA                                                                            | 15      | 21         | 20         | 15      | 60      | 75      |
| J.16HLA                                                                          | J.16LA                                                                            | 16      | 22         | 20         | 15      | 60      | 85      |
| J.17HLA                                                                          | J.17LA                                                                            | 17      | 23,5       | 22         | 15      | 60      | 102     |
| J.18HLA                                                                          | J.18LA                                                                            | 18      | 24,5       | 23         | 18      | 60      | 109     |
| J.19HLA                                                                          | J.19LA                                                                            | 19      | 25         | 24         | 18      | 60      | 110     |
| J.21HLA                                                                          | J.21LA                                                                            | 21      | 27         | 26         | 18      | 60      | 123     |
| J.22HLA                                                                          | J.22LA                                                                            | 22      | 29         | 28         | 21      | 60      | 150     |
| J.24HLA                                                                          | J.24LA                                                                            | 24      | 31         | 30         | 24      | 60      | 176     |



## J.LA 3/8" long-reach inch 12-point OGV® sockets

▷ Performance : to ASME B 107.1.

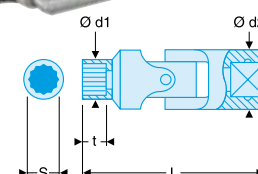
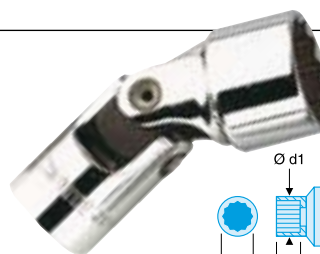
|  | S<br>" | mm    | Ø d1<br>mm | Ø d2<br>mm | t<br>mm | L<br>mm | ΔΔ<br>g |
|------------------------------------------------------------------------------------|--------|-------|------------|------------|---------|---------|---------|
| J.1/4LA                                                                            | 1/4    | 6,35  | 10,6       | 17,5       | 4,0     | 44,7    | 36      |
| J.5/16LA                                                                           | 5/16   | 7,94  | 12,4       | 17,5       | 4,3     | 44,7    | 36      |
| J.3/8LA                                                                            | 3/8    | 9,53  | 14,3       | 17,5       | 4,7     | 44,7    | 41      |
| J.7/16LA                                                                           | 7/16   | 11,11 | 16,2       | 17,5       | 6,2     | 44,7    | 45      |
| J.1/2LA                                                                            | 1/2    | 12,70 | 18,2       | 18,2       | 7,4     | 44,7    | 50      |
| J.9/16LA                                                                           | 9/16   | 14,29 | 20,5       | 20,5       | 9,0     | 48,0    | 72      |
| J.5/8LA                                                                            | 5/8    | 15,88 | 22,3       | 22,3       | 10,2    | 63,8    | 104     |
| J.11/16LA                                                                          | 11/16  | 17,46 | 23,8       | 23,8       | 10,2    | 63,8    | 113     |
| J.3/4LA                                                                            | 3/4    | 19,05 | 25,3       | 25,3       | 11,8    | 63,8    | 127     |
| J.13/16LA                                                                          | 13/16  | 20,64 | 27,0       | 27,0       | 12,3    | 63,8    | 140     |
| J.7/8LA                                                                            | 7/8    | 22,23 | 30,2       | 30,2       | 12,7    | 63,8    | 181     |
| J.15/16LA                                                                          | 15/16  | 23,81 | 31,8       | 31,8       | 12,7    | 63,8    | 185     |
| J.1"LA                                                                             | 1      | 25,40 | 33,4       | 33,4       | 12,7    | 63,8    | 185     |



## J.F 3/8" drive hinged inch 12-point OGV® sockets

▷ Performance : to ANSI B 107.1, GGG.W.641E, ASME B 107.1.

|  | Ø d1<br>mm | Ø d2<br>mm | t<br>mm | L<br>mm | ΔΔ<br>g |
|------------------------------------------------------------------------------------|------------|------------|---------|---------|---------|
| J.3/8F                                                                             | 14,0       | 19,0       | 8,3     | 47,5    | 55      |
| J.7/16F                                                                            | 15,8       | 19,0       | 9,8     | 49,0    | 55      |
| J.1/2F                                                                             | 18,3       | 19,0       | 11,3    | 50,5    | 60      |
| J.9/16F                                                                            | 19,5       | 19,0       | 11,3    | 50,5    | 60      |
| J.5/8F                                                                             | 22,0       | 19,0       | 12,8    | 53,5    | 70      |
| J.11/16F                                                                           | 24,0       | 19,0       | 13,8    | 54,5    | 72      |
| J.3/4F                                                                             | 25,8       | 19,0       | 15,8    | 56,5    | 80      |

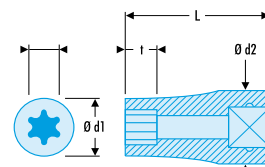




► **Torx sockets®**  3/8"**JTX 3/8" Torx® sockets**

- For Torx® fasteners.
- Manual use.
- Polished chrome finish.

|  | Torx®<br>no. | I★<br>A mm | Ø d1<br>mm | Ø d2<br>mm | t<br>mm | L<br>mm | ΔΔ<br>g |
|-----------------------------------------------------------------------------------|--------------|------------|------------|------------|---------|---------|---------|
| <b>JTX.8</b>                                                                      | E8           | 7,29       | 9,9        | 17,3       | 5,6     | 26      | 40      |
| <b>JTX.10</b>                                                                     | E10          | 9,19       | 11,8       | 17,3       | 6,4     | 26      | 40      |
| <b>JTX.12</b>                                                                     | E12          | 10,95      | 14,5       | 17,3       | 8,0     | 26      | 40      |
| <b>JTX.14</b>                                                                     | E14          | 12,67      | 15,7       | 17,3       | 8,8     | 26      | 50      |
| <b>JTX.16</b>                                                                     | E16          | 14,70      | 18,0       | 17,3       | 9,6     | 26      | 100     |

**Set of Torx® sockets****JTX.40**

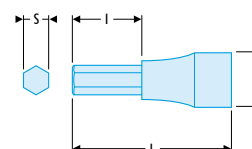
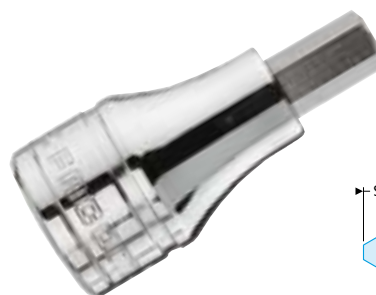
- Sockets supplied on a rack.

|  |  | Dimensions<br>Torx®        | Rack   | ΔΔ<br>g |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------|--------|---------|
| <b>JTX.40</b>                                                                     | 5                                                                                 | E8 - E10 - E12 - E14 - E16 | CKS.91 | 90      |

► **Bit sockets**  3/8"**JT 3/8" drive metric and inch bit sockets**

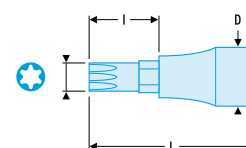
- Removable bits.

|  | S<br>mm | Components<br>  | D<br>mm | I<br>mm | L<br>mm | ΔΔ<br>g |
|-------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|---------|
| <b>JT.3</b>                                                                         | 3       | J.235 EH.103                                                                                                                                                                          | 18      | 15      | 45      | 31      |
| <b>JT.4</b>                                                                         | 4       | J.235 EH.104                                                                                                                                                                          | 18      | 15      | 45      | 31      |
| <b>JT.5</b>                                                                         | 5       | J.235 EH.105                                                                                                                                                                          | 18      | 15      | 45      | 32      |
| <b>JT.6</b>                                                                         | 6       | J.235 EH.106                                                                                                                                                                          | 18      | 15      | 45      | 33      |
| <b>JT.7</b>                                                                         | 7       | J.235 EH.107                                                                                                                                                                          | 18      | 15      | 45      | 34      |
| <b>JT.8</b>                                                                         | 8       | J.236 EH.208                                                                                                                                                                          | 18      | 17,5    | 47,5    | 43      |
| <b>JT.10</b>                                                                        | 10      | J.236 EH.210                                                                                                                                                                          | 18      | 17,5    | 47,5    | 50      |
| <b>JT.1/8</b>                                                                       | 3,17    | J.235 EH.101/8                                                                                                                                                                        | 18      | 15      | 45      | 31      |
| <b>JT.5/32</b>                                                                      | 3,96    | J.235 EH.105/32                                                                                                                                                                       | 18      | 15      | 45      | 31      |
| <b>JT.3/16</b>                                                                      | 4,76    | J.235 EH.103/16                                                                                                                                                                       | 18      | 15      | 45      | 31      |
| <b>JT.7/32</b>                                                                      | 5,56    | J.235 EH.107/32                                                                                                                                                                       | 18      | 15      | 45      | 32      |
| <b>JT.1/4</b>                                                                       | 6,35    | J.235 EH.101/4                                                                                                                                                                        | 18      | 15      | 45      | 33      |
| <b>JT.5/16</b>                                                                      | 7,94    | J.236 EH.205/16                                                                                                                                                                       | 18      | 17,5    | 47,5    | 43      |
| <b>JT.3/8</b>                                                                       | 9,53    | J.236 EH.203/8                                                                                                                                                                        | 18      | 17,5    | 47,5    | 50      |

**JX 3/8" drive Torx® bit sockets**

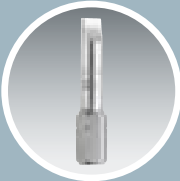
- Removable bits.

|  | Torx®<br>no. | I★<br>A mm | Components<br>  | D<br>mm | I<br>mm | L<br>mm | ΔΔ<br>g |
|-------------------------------------------------------------------------------------|--------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|---------|
| <b>JX.10</b>                                                                        | T10          | 2,72       | J.235 EX.110                                                                                                                                                                          | 18      | 16      | 46      | 33,5    |
| <b>JX.15</b>                                                                        | T15          | 3,26       | J.235 EX.115                                                                                                                                                                          | 18      | 16      | 46      | 33,5    |
| <b>JX.20</b>                                                                        | T20          | 3,84       | J.235 EX.120                                                                                                                                                                          | 18      | 16      | 46      | 33,5    |
| <b>JX.25</b>                                                                        | T25          | 4,40       | J.235 EX.125                                                                                                                                                                          | 18      | 16      | 46      | 33,5    |
| <b>JX.27</b>                                                                        | T27          | 4,96       | J.235 EX.127                                                                                                                                                                          | 18      | 16      | 46      | 33,5    |
| <b>JX.30</b>                                                                        | T30          | 5,49       | J.235 EX.130                                                                                                                                                                          | 18      | 16      | 46      | 33,5    |
| <b>JX.40</b>                                                                        | T40          | 6,60       | J.236 EX.240                                                                                                                                                                          | 18      | 22,5    | 52,5    | 45      |
| <b>JX.45</b>                                                                        | T45          | 7,77       | J.236 EX.245                                                                                                                                                                          | 18      | 22,5    | 52,5    | 45      |
| <b>JX.50</b>                                                                        | T50          | 8,79       | J.236 EX.250                                                                                                                                                                          | 18      | 22,5    | 52,5    | 47,5    |
| <b>JX.55</b>                                                                        | T55          | 11,17      | J.236 EX.255                                                                                                                                                                          | 18      | 22,5    | 52,5    | 61      |






## Create your own bit sockets



**Bits**







Series 1  1/4"

Series 2  5/16"

See section 7 p. **345**



**J.235**

 1/4" 6,35 mm



**J.236**

 5/16" 7,94 mm

p. **360**

## Rack set of 3/8" drive short and long-reach sockets

- Racks fit inside tool boxes, in roller cabinets, on panels.
- A range of sockets displayed for easy selection.

|               | Dimensions<br>mm / "                                                  | Rack   | ΔΔ<br>g |
|---------------|-----------------------------------------------------------------------|--------|---------|
| <b>J.40E</b>  | J : 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16                      | CKS.94 | 380     |
| <b>JL.40E</b> | JL : 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15                          | CKS.94 | 590     |
| <b>JL.41E</b> | JL : 16 - 17 - 18 - 19 - 21 - 22 - 24                                 | CKS.94 | 870     |
| <b>J.40U</b>  | J : 1/4 - 5/16 - 3/8 - 7/16 - 1/2 - 9/16 - 5/8 - 11/16                | CKS.94 | 340     |
| <b>JL.40U</b> | JL : 1/4 - 5/16 - 3/8 - 7/16 - 1/2 - 9/16 - 5/8 - 11/16 - 3/4 - 13/16 | CKS.94 | 840     |



## Rack set of 3/8" drive metric hexagon bit sockets

### JT.40

- Comprising :  
- 6 bits : JT.4-5-6-7-8-10.
  - Rack CKS.91.
- ΔΔ : 280 g.





## Special 3/8" sockets for automotive applications

*For details of our 3/8" special automotive sockets, see section 18*

- Spark plug sockets
- Glow plug sockets.
- Drain plug sockets
- Injector sockets







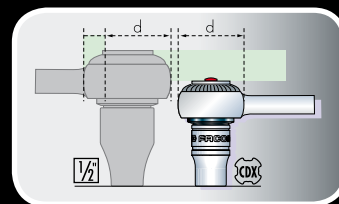
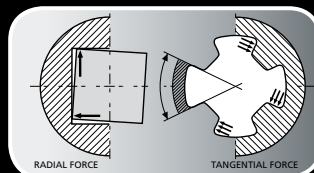
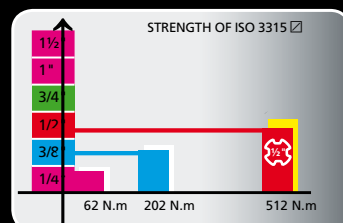

## ► CDX® socket sets

CDX 

The solution to your accessibility problems

**THE POWER OF A  $\square$  1/2" RATCHET WITH THE COMPACTNESS OF A  $\square$  3/8" !****PERFORMANCE**

- The special CDX® drive transmits more torque than a standard 1/2" square drive. With its shorter handle, the CDX® drive has the same torque and strength performance as a  $\square$  1/2" drive while having the compactness of a  $\square$  3/8".
- CDX® ratchets are tested to ISO 3315 paragraph. 5 applying to  $\square$  1/2" ratchets.

**USABILITY**

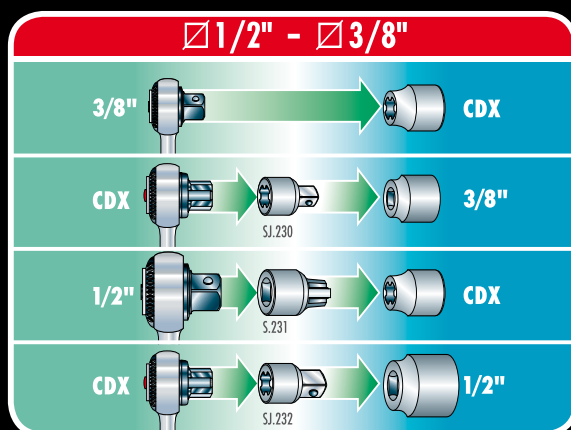
- The locking mechanism resists a socket pull-off load of over 60 kg.
- Immediate socket release simply by pressing the button even with slippery or gloved hands.
- Compact ratchet is more manoeuvrable.
- Lighter :  
CDX® is 40% lighter than a standard  $\square$  1/2" ratchet = less weight to carry = less fatigue.

**COMPATIBILITY**

- CDX® drive can be used with  $\square$  3/8" and  $\square$  1/2" tools, either directly or via couplers.

**A COMPREHENSIVE RANGE**

- Standard and long-reach ratchets.
- Sockets 7 to 32 mm.
- 6 and 12-point.
- Locking extensions.
- Universal joint.
- Sliding tee.





## Metric socket and bit sets



⇒ SJ.440 12



⇒ CDX.4 6



⇒ CDX.5 6



|  |                   | SJ.440 | CDX.4             | CDX.5  |
|--|-------------------|--------|-------------------|--------|
|  |                   | SJ.171 | SJ.171            | SJ.174 |
|  |                   |        |                   |        |
|  |                   | SJ.    | SJ.H              | SJ.H   |
|  | CDX               | •      |                   |        |
|  | 7                 | •      |                   |        |
|  | 8                 | •      | •                 | •      |
|  | 9                 | •      | •                 | •      |
|  | 10                | •      | •                 | •      |
|  | 11                | •      | •                 | •      |
|  | 12                | •      | •                 | •      |
|  | 13                | •      | •                 | •      |
|  | 14                | •      | •                 | •      |
|  | 15                | •      | •                 | •      |
|  | 16                | •      | •                 | •      |
|  | 17                | •      | •                 | •      |
|  | 18                | •      | •                 | •      |
|  | 19                | •      | •                 | •      |
|  | 21                | •      | •                 | •      |
|  | 22                | •      | •                 | •      |
|  | 23                | •      |                   |        |
|  | 24                | •      | •                 | •      |
|  | 26                | •      |                   |        |
|  | 27                | •      | •                 | •      |
|  | 30                |        | •                 | •      |
|  | 32                |        | •                 | •      |
|  | SJ.240            | •      | •                 | •      |
|  | SJ.210R           | •      | •                 | •      |
|  | SJ.215R           | •      | •                 | •      |
|  | SJ.230            |        | •                 | •      |
|  | SJ.231            |        | •                 | •      |
|  | SJ.232            |        |                   |        |
|  | SJ.235            | •      |                   |        |
|  | SJ.236            | •      |                   |        |
|  | SJ.120            | •      |                   |        |
|  | ED 2              | •      |                   |        |
|  | 3                 | •      |                   |        |
|  | 4                 | •      |                   |        |
|  | EH 5              | •      |                   |        |
|  | 6                 | •      |                   |        |
|  | 8                 | •      |                   |        |
|  | 10                | •      |                   |        |
|  | ES 6,5            | •      |                   |        |
|  | 8                 | •      |                   |        |
|  | 10                | •      |                   |        |
|  | PL.300A           |        | PL.617            |        |
|  | BP.109            |        | BP.112            |        |
|  | 478 x 234 x 72 mm |        | 389 x 164 x 66 mm |        |
|  | 4,05              |        | 2,75              | 2,80   |





## Metric socket sets

WITH ITS UNIQUE DESIGN,  
THE CDX® RATCHET HAS THE TORQUING  
POWER OF A  $\frac{1}{2}$ " RATCHET BUT IS MUCH  
MORE COMPACT. P. 218

|  |         | SJ.431A           | SJ.430A | SJ.430AD | SJ.431B | MOD.CDX           |
|--|---------|-------------------|---------|----------|---------|-------------------|
|  |         | SJ.171            | SJ.171  | SJ.171   | SJ.171  | SJ.171            |
|  |         | 6                 | 12      | 12       | 6       | 6                 |
|  |         | SJ.H              | SJ.     | SJ.      | SJ.H    | SJ.H              |
|  | 7       |                   |         |          |         |                   |
|  | 8       | •                 | •       | •        | •       | •                 |
|  | 9       | •                 | •       | •        | •       | •                 |
|  | 10      | •                 | •       | •        | •       | •                 |
|  | 11      | •                 | •       | •        | •       | •                 |
|  | 12      | •                 | •       | •        | •       | •                 |
|  | 13      | •                 | •       | •        | •       | •                 |
|  | 14      | •                 | •       | •        | •       | •                 |
|  | 15      | •                 | •       | •        | •       | •                 |
|  | 16      | •                 | •       | •        | •       | •                 |
|  | 17      | •                 | •       | •        | •       | •                 |
|  | 18      | •                 | •       | •        | •       | •                 |
|  | 19      | •                 | •       | •        | •       | •                 |
|  | 21      | •                 | •       | •        | •       | •                 |
|  | 22      | •                 | •       | •        | •       | •                 |
|  | 23      |                   |         |          |         |                   |
|  | 24      | •                 | •       |          |         | •                 |
|  | 26      | •                 | •       |          |         |                   |
|  | 27      | •                 | •       |          |         | •                 |
|  | 30      |                   |         |          |         |                   |
|  | 32      |                   |         |          |         |                   |
|  | SJ.240  | •                 | •       | •        | •       | •                 |
|  | SJ.210R | •                 | •       | •        | •       | •                 |
|  | SJ.215R | •                 | •       | •        | •       | •                 |
|  | SJ.230  |                   |         |          |         | •                 |
|  | SJ.231  |                   |         |          |         |                   |
|  | SJ.232  |                   |         |          |         | •                 |
|  | SJ.235  |                   |         |          |         |                   |
|  | SJ.236  |                   |         |          |         |                   |
|  | SJ.120  |                   |         |          |         |                   |
|  | ED      |                   |         |          |         |                   |
|  | 3       |                   |         |          |         |                   |
|  | 4       |                   |         |          |         |                   |
|  | EH      |                   |         |          |         |                   |
|  | 5       |                   |         |          |         |                   |
|  | 6       |                   |         |          |         |                   |
|  | 8       |                   |         |          |         |                   |
|  | 10      |                   |         |          |         |                   |
|  | ES      |                   |         |          |         |                   |
|  | 6,5     |                   |         |          |         |                   |
|  | 8       |                   |         |          |         |                   |
|  | 10      |                   |         |          |         |                   |
|  |         | PL.425            |         | PL.424   | PL.298  | PL.355            |
|  |         | BP.112            |         |          | BT.112G | -                 |
|  |         | 389 x 164 x 66 mm |         |          |         | 420 x 180 x 55 mm |
|  |         | 2,90 kg           | 2,90 kg | 2,90 kg  | 3,10 kg | 2,12 kg           |

SJ.431A 6  
SJ.430A 12



SJ.430AD 12



SJ.431B 6



MOD.CDX 6

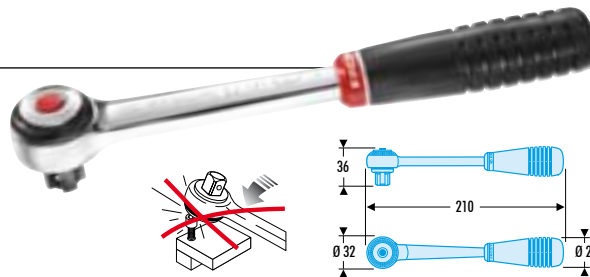


## CDX® ratchets

### Locking CDX® ratchet

#### SJ.171

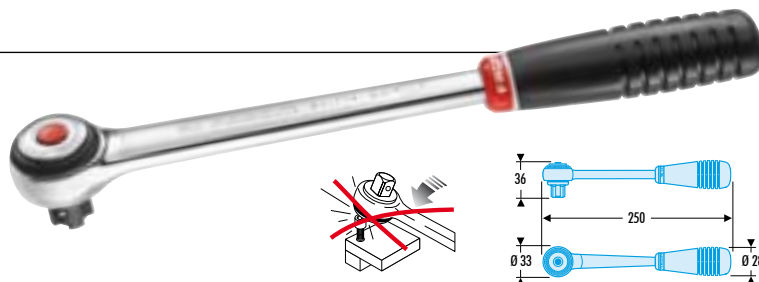
- CDX® drive.
- 72 tooth mechanism. 5° increments.
- "Palm control" system.
- Satin chrome finish.
- ΔΔ : 280 g.



### Long-reach locking CDX® ratchet

#### SJ.174

- CDX® drive.
- 72 tooth mechanism. 5° increments.
- "Palm control" system.
- Satin chrome finish.
- ΔΔ : 320 g.

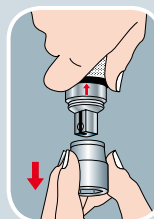
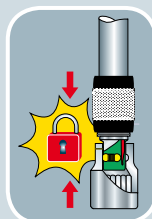


## CDX® accessories



### Locking system = total safety

- Resists a socket pull-off load of over 60 kg
- Prevents accidental socket loss
- Instantly unlocks by retracting the knurled ring.



Use only with sockets equipped with an internal ball notch.

### SJ.R Locking CDX® extensions

- Safety lock.
  - Prevents the loss of sockets or accessories, the locking system is ideal in crowded assemblies.
1. Push fit.
  2. Socket positively locked.



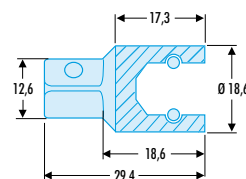
|                | B<br>mm | D1<br>mm | L<br>mm | D2<br>mm | ΔΔ<br>g |
|----------------|---------|----------|---------|----------|---------|
| <b>SJ.210R</b> | 14,8    | 20,5     | 125     | 20,5     | 190     |
| <b>SJ.215R</b> | 14,8    | 20,5     | 250     | 20,5     | 360     |



## CDX® to 3/8" coupler

## SJ.230

- Female CDX® drive.
- Male 3/8" square drive.
- For adapting  $\square$  3/8" sockets and accessories to a CDX® ratchet.

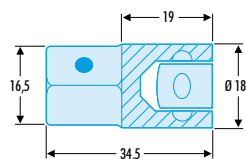


## CDX® to 1/2" coupler

## SJ.232

- Female CDX® drive.
- Male 1/2" square drive.
- For adapting sockets and accessories  $\square$  1/2".

ΔΔ : 46 g.

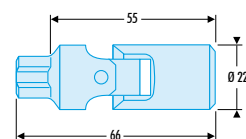


## CDX universal joint®

## SJ.240

- Spring-stiffened joints.
- Stays in position.
- Optimum accessibility

ΔΔ : 125 g.

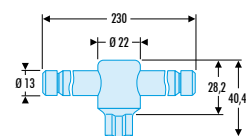


## CDX sliding tee®

## SJ.120

- Sliding bar.
- Friction-steadied head.

ΔΔ : 300 g.

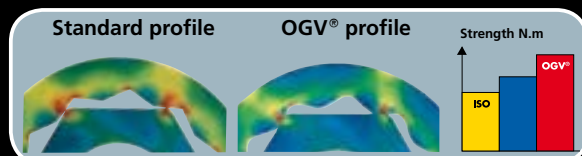


## Facom OGV® profile

## HIGHER TORQUE WITHOUT DAMAGING THE FASTENERS !

The OGV® profile is achieved by a succession of curves instead of the flats found in conventional sockets®.

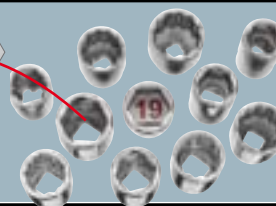
- **More powerful tightening :**  
Larger contact area between socket and fastener minimises stress.
- **Less wear :**  
Torque is transmitted through the fastener flats instead of the corners.
- **Increased durability :**  
Stress concentration in the corners is eliminated.



## The TAG socket inserts

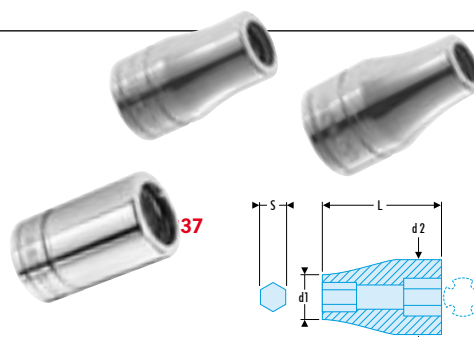
- Immediately identify your sockets.
- 6- or 12 point sockets.

⇒ TAG



## CDX® spring-clip bit holders

|               | S    | d1   | d2   | L    | ΔΔ |
|---------------|------|------|------|------|----|
|               | "    | mm   | mm   | mm   | g  |
| <b>SJ.235</b> | 1/4  | 11,3 | 18,6 | 30   | 28 |
| <b>SJ.236</b> | 5/16 | 14   | 18,6 | 30   | 32 |
| <b>SJ.237</b> | 1/2  | 20,6 | 20,6 | 34,4 | 40 |

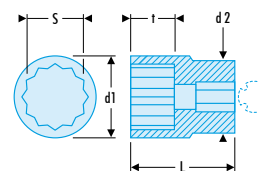


## CDX® OGV® sockets

### SJ Metric OGV® sockets

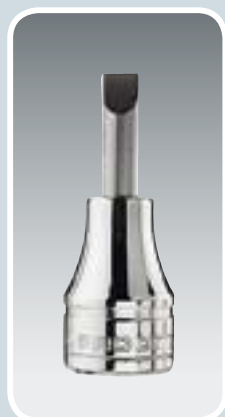
• CDX® system.

|               |              | S  | Ø d1 | Ø d2 | t    | L  | ΔΔ  |
|---------------|--------------|----|------|------|------|----|-----|
|               |              | mm | mm   | mm   | mm   | mm | g   |
| <b>SJ.7H</b>  | <b>SJ.7</b>  | 7  | 10,8 | 18,6 | 6,0  | 27 | 24  |
| <b>SJ.8H</b>  | <b>SJ.8</b>  | 8  | 12,8 | 18,6 | 6,5  | 27 | 25  |
| <b>SJ.9H</b>  | <b>SJ.9</b>  | 9  | 13,3 | 18,6 | 6,8  | 27 | 25  |
| <b>SJ.10H</b> | <b>SJ.10</b> | 10 | 14,5 | 19,7 | 7,5  | 27 | 25  |
| <b>SJ.11H</b> | <b>SJ.11</b> | 11 | 15,8 | 19,7 | 8    | 27 | 30  |
| <b>SJ.12H</b> | <b>SJ.12</b> | 12 | 17,0 | 19,7 | 9,0  | 27 | 32  |
| <b>SJ.13H</b> | <b>SJ.13</b> | 13 | 18,3 | 19,7 | 9,5  | 27 | 33  |
| <b>SJ.14H</b> | <b>SJ.14</b> | 14 | 19,5 | 18,6 | 11,0 | 30 | 35  |
| <b>SJ.15H</b> | <b>SJ.15</b> | 15 | 20,8 | 19,0 | 12,0 | 30 | 38  |
| <b>SJ.16H</b> | <b>SJ.16</b> | 16 | 22,0 | 20,0 | 12,0 | 30 | 41  |
| <b>SJ.17H</b> | <b>SJ.17</b> | 17 | 23,4 | 21,7 | 13,0 | 30 | 50  |
| <b>SJ.18H</b> | <b>SJ.18</b> | 18 | 24,7 | 21,7 | 13,5 | 33 | 60  |
| <b>SJ.19H</b> | <b>SJ.19</b> | 19 | 26,0 | 23,0 | 14,0 | 33 | 62  |
| <b>SJ.20H</b> | <b>SJ.20</b> | 20 | 27,2 | 22,2 | 15,0 | 33 | 62  |
| <b>SJ.21H</b> | <b>SJ.21</b> | 21 | 28,5 | 23,5 | 16,0 | 33 | 73  |
| <b>SJ.22H</b> | <b>SJ.22</b> | 22 | 29,5 | 23,5 | 16,5 | 33 | 75  |
| <b>SJ.23H</b> | <b>SJ.23</b> | 23 | 31,0 | 26,0 | 16,5 | 33 | 90  |
| <b>SJ.24H</b> | <b>SJ.24</b> | 24 | 31,3 | 26,3 | 16,5 | 33 | 87  |
| <b>SJ.26H</b> | <b>SJ.26</b> | 26 | 34,2 | 29,2 | 16,5 | 33 | 115 |
| <b>SJ.27H</b> | <b>SJ.27</b> | 27 | 35,5 | 30,5 | 19,0 | 38 | 140 |
| <b>SJ.28H</b> |              | 28 | 37   | 31,1 | 20   | 38 | 156 |
| <b>SJ.29H</b> |              | 29 | 38   | 31,9 | 20   | 38 | 159 |
| <b>SJ.30H</b> |              | 30 | 39,4 | 33,1 | 20   | 38 | 172 |
| <b>SJ.32H</b> |              | 32 | 41,4 | 33,1 | 20   | 38 | 191 |



## CDX bits®

### Create your own bit sockets



#### Bits



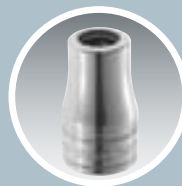
Series 1  $\square$  1/4"

Series 2  $\square$  5/16" See section 7 p. 345

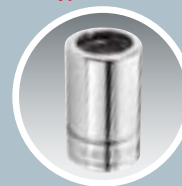
#### Bit holders



**SJ.235**



**SJ.236**



**SJ.237**

p. 360

$\square$  1/4" 6,35 mm     $\square$  5/16" 7,94 mm     $\square$  1/2" 12,70 mm





# Standard 1/2" range

## ► Socket sets 1/2"



## Metric socket and bit sets

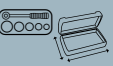
 RS.440E 

 RS.430E 

 S.800 

 S.900 

 S.447DP 
 S.446DP 


|    |  | RS.440E                  | RS.430E                  | S.800         | S.900         | S.447DP       | S.446DP     |
|-------------------------------------------------------------------------------------|--|--------------------------|--------------------------|---------------|---------------|---------------|-------------|
|    |  | S.161 + R.161<br>S.H. R. | S.151 + R.151<br>S.H. R. | S.161<br>S.H. | S.161<br>S.H. | S.161<br>S.H. | S.161<br>S. |
| 5                                                                                   |  |                          |                          |               |               |               |             |
| 5,5                                                                                 |  |                          |                          |               |               |               |             |
| 6                                                                                   |  |                          |                          |               |               |               |             |
| 7                                                                                   |  |                          |                          |               |               |               |             |
| 8                                                                                   |  |                          |                          |               |               |               |             |
| 9                                                                                   |  |                          |                          |               |               |               |             |
| 10                                                                                  |  |                          |                          |               |               |               |             |
| 11                                                                                  |  |                          |                          |               |               |               |             |
| 12                                                                                  |  |                          |                          |               |               |               |             |
| 13                                                                                  |  |                          |                          |               |               |               |             |
| 14                                                                                  |  |                          |                          |               |               |               |             |
| 15                                                                                  |  |                          |                          |               |               |               |             |
| 16                                                                                  |  |                          |                          |               |               |               |             |
| 17                                                                                  |  |                          |                          |               |               |               |             |
| 18                                                                                  |  |                          |                          |               |               |               |             |
| 19                                                                                  |  |                          |                          |               |               |               |             |
| 21                                                                                  |  |                          |                          |               |               |               |             |
| 22                                                                                  |  |                          |                          |               |               |               |             |
| 23                                                                                  |  |                          |                          |               |               |               |             |
| 24                                                                                  |  |                          |                          |               |               |               |             |
| 26                                                                                  |  |                          |                          |               |               |               |             |
| 27                                                                                  |  |                          |                          |               |               |               |             |
| 28                                                                                  |  |                          |                          |               |               |               |             |
| 29                                                                                  |  |                          |                          |               |               |               |             |
| 30                                                                                  |  |                          |                          |               |               |               |             |
| 32                                                                                  |  |                          |                          |               |               |               |             |
| 34                                                                                  |  |                          |                          |               |               |               |             |
| S.206                                                                               |  |                          |                          |               |               |               |             |
| S.208                                                                               |  |                          |                          |               |               |               |             |
| S.210                                                                               |  |                          |                          |               |               |               |             |
| S.210S                                                                              |  |                          |                          |               |               |               |             |
| S.215                                                                               |  |                          |                          |               |               |               |             |
| S.240A                                                                              |  |                          |                          |               |               |               |             |
| S.120A                                                                              |  |                          |                          |               |               |               |             |
| S.236                                                                               |  |                          |                          |               |               |               |             |
| S.237                                                                               |  |                          |                          |               |               |               |             |
| R.209                                                                               |  |                          |                          |               |               |               |             |
| R.210                                                                               |  |                          |                          |               |               |               |             |
| R.240A                                                                              |  |                          |                          |               |               |               |             |
| R.235                                                                               |  |                          |                          |               |               |               |             |
| R.236                                                                               |  |                          |                          |               |               |               |             |
| EP 1                                                                                |  |                          |                          |               |               |               |             |
| EP 2                                                                                |  |                          |                          |               |               |               |             |
| EP 3                                                                                |  |                          |                          |               |               |               |             |
| ED 1                                                                                |  |                          |                          |               |               |               |             |
| ED 2                                                                                |  |                          |                          |               |               |               |             |
| ED 3                                                                                |  |                          |                          |               |               |               |             |
| ES 4,5                                                                              |  |                          |                          |               |               |               |             |
| ES 6,5                                                                              |  |                          |                          |               |               |               |             |
| ES 8                                                                                |  |                          |                          |               |               |               |             |
| ES 10                                                                               |  |                          |                          |               |               |               |             |
| EH 3                                                                                |  |                          |                          |               |               |               |             |
| EH 4                                                                                |  |                          |                          |               |               |               |             |
| EH 5                                                                                |  |                          |                          |               |               |               |             |
| EH 6                                                                                |  |                          |                          |               |               |               |             |
| EH 7                                                                                |  |                          |                          |               |               |               |             |
| EH 8                                                                                |  |                          |                          |               |               |               |             |
| EH 10                                                                               |  |                          |                          |               |               |               |             |
| EHL 4                                                                               |  |                          |                          |               |               |               |             |
| EHL 5                                                                               |  |                          |                          |               |               |               |             |
| EHL 6                                                                               |  |                          |                          |               |               |               |             |
| EHL 7                                                                               |  |                          |                          |               |               |               |             |
| EHL 8                                                                               |  |                          |                          |               |               |               |             |
| EHL 10                                                                              |  |                          |                          |               |               |               |             |
| EX 20                                                                               |  |                          |                          |               |               |               |             |
| EX 25                                                                               |  |                          |                          |               |               |               |             |
| EX 27                                                                               |  |                          |                          |               |               |               |             |
| EX 30                                                                               |  |                          |                          |               |               |               |             |
| EX 40                                                                               |  |                          |                          |               |               |               |             |
| EX 45                                                                               |  |                          |                          |               |               |               |             |
| EX 55                                                                               |  |                          |                          |               |               |               |             |
| EXR 10                                                                              |  |                          |                          |               |               |               |             |
| EXR 15                                                                              |  |                          |                          |               |               |               |             |
| EXR 20                                                                              |  |                          |                          |               |               |               |             |
| EXR 25                                                                              |  |                          |                          |               |               |               |             |
| EXR 27                                                                              |  |                          |                          |               |               |               |             |
| EXR 30                                                                              |  |                          |                          |               |               |               |             |
| EXR 40                                                                              |  |                          |                          |               |               |               |             |
| EXL 30                                                                              |  |                          |                          |               |               |               |             |
| EXL 40                                                                              |  |                          |                          |               |               |               |             |
| EXL 45                                                                              |  |                          |                          |               |               |               |             |
| EXL 50                                                                              |  |                          |                          |               |               |               |             |
| ENH 12                                                                              |  |                          |                          |               |               |               |             |
| ENH 14                                                                              |  |                          |                          |               |               |               |             |
|  |  | PL.714                   | PL.112A                  | PL.706        | PL.705        | PL.291A       | PL.291A     |
|                                                                                     |  | BP.109                   |                          |               |               |               |             |
|                                                                                     |  | 478 x 234 x 72 mm        |                          |               |               |               |             |
|                                                                                     |  | 3,92 kg                  | 3,56 kg                  | 4,70 kg       | 4,30 kg       | 5,00 kg       | 5,00 kg     |

# Standard 1/2" range

 1/2"

## Metric socket sets

⇒ S.441AP   
⇒ SM.441EP   
⇒ S.441E 

⇒ S.440AP   
⇒ SM.440EP   
⇒ S.440E 

⇒ S.431ADP   
⇒ S.430ADP 



S.161



SM.161

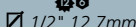


⇒ S.431DP 



⇒ S.442EP 



|  |                   | S.441AP                                                                             | SM.441EP                                                                            | S.441E                                                                              | S.440AP                                                                             | SM.440EP                                                                            | S.440E                                                                              | S.431ADP                                                                            | S.430ADP                                                                              | S.442EP                                                                               | S.431DP                                                                               |
|-------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |                   | S.161                                                                               | SM.161                                                                              | S.151                                                                               | S.161                                                                               | SM.161                                                                              | S.151                                                                               | S.161                                                                               | S.161                                                                                 | S.161                                                                                 | S.161                                                                                 |
|   |                   |  |  |  |  |  |  |  |  |  |  |
|                                                                                     |                   | S.H                                                                                 | S.H                                                                                 | S.H                                                                                 | S.                                                                                  | S.                                                                                  | S.                                                                                  | S.H                                                                                 | S.                                                                                    | S.                                                                                    | S.H                                                                                   |
|   | 8                 | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   |                                                                                     |                                                                                       | •                                                                                     |                                                                                       |
|                                                                                     | 9                 | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   |                                                                                     |                                                                                       | •                                                                                     |                                                                                       |
|                                                                                     | 10                | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 11                | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 12                | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 13                | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 14                | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 15                | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 16                | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 17                | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 18                | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 19                | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 20                | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 21                | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 22                | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 23                | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 24                | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 26                | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 27                | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 28                | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 29                | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 30                | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 32                | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | 34                | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
|   | S.210             | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | S.215             | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
|   | S.240A            | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
|                                                                                     | S.120A            | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
|   | S.110             | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
|  | PL.708            |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | PL.701                                                                              |                                                                                       | P.21                                                                                  | PL.235                                                                                |
|                                                                                     | BP.109            |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       | BT.6A                                                                                 | BT.109G                                                                               |
|   | 478 x 234 x 72 mm |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       | 468 x 190 x 160 mm                                                                    | 470 x 195 x 53 mm                                                                     |
|                                                                                     | 5,95 kg           | 6,05 kg                                                                             | 5,95 kg                                                                             | 5,95 kg                                                                             | 6,05 kg                                                                             | 5,95 kg                                                                             | 4,88 kg                                                                             | 4,88 kg                                                                             |                                                                                       | 7,68 kg                                                                               | 4,82 kg                                                                               |

 1/2"

Metric socket sets



**LOCKING RATCHETS AND EXTENSIONS :**  
**CAN RESIST A SOCKET PULL-OFF FORCE OF OVER.**  
**600 NEWTONS**  
**SECURE RATCHET/EXTENSION/SOCKET**  
**ATTACHMENT**  
**NO MORE LOST SOCKETS**

 S.500  S.200DP  S.600 

S.161

 SM.600 

SM.161

|                                                                                                                                                                                  |         | S.500             | S.200DP | S.600   | SM.600  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------|---------|---------|---------|
|                                                                                                                                                                                  |         | S.171             | S.161   | S.161   | SM.161  |
|                                                                                                                                                                                  |         | 6                 | 6       | 6       | 6       |
|  1/2". 12.7mm                                                                                                                                                                    |         | S.H               | S.H     | S.H     | S.H     |
|                                                                                                                                                                                  | 8       |                   |         | •       | •       |
|                                                                                                                                                                                                                                                                   | 9       |                   |         |         |         |
|                                                                                                                                                                                                                                                                   | 10      | •                 | •       | •       | •       |
|                                                                                                                                                                                                                                                                   | 11      | •                 | •       | •       | •       |
|                                                                                                                                                                                                                                                                   | 12      | •                 | •       | •       | •       |
|                                                                                                                                                                                                                                                                   | 13      | •                 | •       | •       | •       |
|                                                                                                                                                                                                                                                                   | 14      | •                 | •       | •       | •       |
|                                                                                                                                                                                                                                                                   | 15      | •                 | •       |         |         |
|                                                                                                                                                                                                                                                                   | 16      | •                 | •       | •       | •       |
|                                                                                                                                                                                                                                                                   | 17      | •                 | •       | •       | •       |
|                                                                                                                                                                                                                                                                   | 18      | •                 | •       | •       | •       |
|                                                                                                                                                                                                                                                                   | 19      | •                 | •       | •       | •       |
|                                                                                                                                                                                                                                                                   | 20      |                   |         |         |         |
|                                                                                                                                                                                                                                                                   | 21      | •                 | •       | •       | •       |
|                                                                                                                                                                                                                                                                   | 22      | •                 | •       | •       | •       |
|                                                                                                                                                                                                                                                                   | 23      | •                 | •       | •       | •       |
|                                                                                                                                                                                                                                                                   | 24      | •                 | •       | •       | •       |
|                                                                                                                                                                                                                                                                   | 26      |                   |         |         |         |
|                                                                                                                                                                                                                                                                   | 27      | •                 | •       | •       | •       |
|                                                                                                                                                                                                                                                                   | 28      |                   |         |         |         |
|                                                                                                                                                                                                                                                                   | 29      |                   |         |         |         |
|                                                                                                                                                                                                                                                                   | 30      | •                 | •       | •       | •       |
|                                                                                                                                                                                                                                                                   | 32      | •                 | •       | •       | •       |
|                                                                                                                                                                                                                                                                   | 34      |                   |         |         |         |
|                                                                                                                                                                                | S.210   |                   | •       |         |         |
|                                                                                                                                                                                | S.215   |                   | •       | •       | •       |
|                                                                                                                                                                                | S.240A  | •                 | •       | •       | •       |
|                                                                                                                                                                                | S.210RC | •                 |         |         |         |
|                                                                                                                                                                                | S.215RC | •                 |         |         |         |
| <br><br> |         | PL.618            |         | PL.619  |         |
|                                                                                                                                                                                                                                                                   |         | BP.112            |         |         |         |
|                                                                                                                                                                                                                                                                   |         | 389 x 164 x 66 mm |         |         |         |
|                                                                                                                                                                                                                                                                   |         | 3,57 kg           | 3,45 kg | 3,45 kg | 3,55 kg |

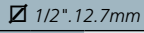
 1/2"

Metric socket sets

**A WIDE RANGE OF SOCKET SETS TO MEET YOUR NEEDS...**

**... IN ALL SITUATIONS AND ALWAYS CLOSE TO HAND**



|    |                   | S.429EP | S.428EP | S.423AP           | S.422AP | S.420B |
|-------------------------------------------------------------------------------------|-------------------|---------|---------|-------------------|---------|--------|
|    |                   | S.161   | S.161   | S.161             | S.161   | S.151  |
|    |                   | S.H     | S.      | S.H               | S.      | S.     |
|     | 8                 |         |         |                   |         |        |
|                                                                                     | 9                 |         |         |                   |         |        |
|                                                                                     | 10                |         |         |                   |         |        |
|                                                                                     | 11                |         |         |                   |         |        |
|                                                                                     | 12                |         |         |                   |         |        |
|                                                                                     | 13                |         |         |                   |         |        |
|                                                                                     | 14                |         |         |                   |         |        |
|                                                                                     | 15                |         |         |                   |         |        |
|                                                                                     | 16                |         |         |                   |         |        |
|                                                                                     | 17                |         |         |                   |         |        |
|                                                                                     | 18                |         |         |                   |         |        |
|                                                                                     | 19                |         |         |                   |         |        |
|                                                                                     | 20                |         |         |                   |         |        |
|                                                                                     | 21                |         |         |                   |         |        |
|                                                                                     | 22                |         |         |                   |         |        |
|                                                                                     | 23                |         |         |                   |         |        |
|                                                                                     | 24                |         |         |                   |         |        |
|                                                                                     | 26                |         |         |                   |         |        |
|                                                                                     | 27                |         |         |                   |         |        |
|                                                                                     | 28                |         |         |                   |         |        |
|                                                                                     | 29                |         |         |                   |         |        |
|                                                                                     | 30                |         |         |                   |         |        |
|                                                                                     | 32                |         |         |                   |         |        |
|                                                                                     | 34                |         |         |                   |         |        |
|   | S.210             |         |         |                   |         |        |
|                                                                                     | S.215             |         |         |                   |         |        |
|                                                                                     | S.240A            |         |         |                   |         |        |
|                                                                                     | S.120A            |         |         |                   |         |        |
|                                                                                     | S.110             |         |         |                   |         |        |
|                                                                                     | S.210RC           |         |         |                   |         |        |
|                                                                                     | S.215RC           |         |         |                   |         |        |
|  | PL.10A            |         |         | PL.422            |         |        |
|                                                                                     | BP.109            |         |         | BP.112            |         |        |
|                                                                                     | 478 x 234 x 72 mm |         |         | 389 x 164 x 66 mm |         |        |
|                                                                                     | 4,03 kg           | 4,03 kg | 2,92 kg | 2,92 kg           | 2,33 kg |        |

 S.429EP 

 S.428EP 



 S.423AP 

 S.422AP 



 S.420B 





 1/2"

Metric socket modules

 MODM.S1A  MOD.S1 

S.161

 MOD.SM1 

SM.161

**FACOM FOAM MODULES :**

- **HIGH DENSITY FOAM : GOOD RESISTANCE TO CRUSHING AND WORKSHOP SOLVENTS.**
- **EASY IDENTIFICATION OF MISSING TOOLS.**

|                                                                                                       |                                                                                                                                                                                                                                                                   | MODM.S1A                                                                          | MOD.S1                                                                              | MOD.SM1                                                                             |   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---|
| <br><br>1/2". 12.7mm |                                                                                                                                                                                                                                                                   | S.161                                                                             | S.161                                                                               | SM.161                                                                              |   |
|                                                                                                                                                                                        |                                                                                                                                                                                                                                                                   |  |  |  |   |
|                                                                                                                                                                                        |                                                                                                                                                                                                                                                                   | S.H                                                                               | S.H                                                                                 | S.H                                                                                 |   |
|                                                                                                       | 8                                                                                                                                                                                                                                                                 | ●                                                                                 |                                                                                     |                                                                                     |   |
|                                                                                                                                                                                        | 9                                                                                                                                                                                                                                                                 |                                                                                   |                                                                                     |                                                                                     |   |
|                                                                                                                                                                                        | 10                                                                                                                                                                                                                                                                | ●                                                                                 | ●                                                                                   | ●                                                                                   |   |
|                                                                                                                                                                                        | 11                                                                                                                                                                                                                                                                | ●                                                                                 | ●                                                                                   | ●                                                                                   |   |
|                                                                                                                                                                                        | 12                                                                                                                                                                                                                                                                | ●                                                                                 | ●                                                                                   | ●                                                                                   |   |
|                                                                                                                                                                                        | 13                                                                                                                                                                                                                                                                | ●                                                                                 | ●                                                                                   | ●                                                                                   |   |
|                                                                                                                                                                                        | 14                                                                                                                                                                                                                                                                | ●                                                                                 | ●                                                                                   | ●                                                                                   |   |
|                                                                                                                                                                                        | 15                                                                                                                                                                                                                                                                | ●                                                                                 | ●                                                                                   | ●                                                                                   |   |
|                                                                                                                                                                                        | 16                                                                                                                                                                                                                                                                | ●                                                                                 | ●                                                                                   | ●                                                                                   |   |
|                                                                                                                                                                                        | 17                                                                                                                                                                                                                                                                | ●                                                                                 | ●                                                                                   | ●                                                                                   |   |
|                                                                                                                                                                                        | 18                                                                                                                                                                                                                                                                | ●                                                                                 | ●                                                                                   | ●                                                                                   |   |
|                                                                                                                                                                                        | 19                                                                                                                                                                                                                                                                | ●                                                                                 | ●                                                                                   | ●                                                                                   |   |
|                                                                                                                                                                                        | 20                                                                                                                                                                                                                                                                |                                                                                   |                                                                                     |                                                                                     |   |
|                                                                                                                                                                                        | 21                                                                                                                                                                                                                                                                | ●                                                                                 | ●                                                                                   | ●                                                                                   |   |
|                                                                                                                                                                                        | 22                                                                                                                                                                                                                                                                | ●                                                                                 | ●                                                                                   | ●                                                                                   |   |
|                                                                                                                                                                                        | 23                                                                                                                                                                                                                                                                | ●                                                                                 | ●                                                                                   | ●                                                                                   |   |
|                                                                                                                                                                                        | 24                                                                                                                                                                                                                                                                | ●                                                                                 | ●                                                                                   | ●                                                                                   |   |
|                                                                                                                                                                                        | 26                                                                                                                                                                                                                                                                |                                                                                   |                                                                                     |                                                                                     |   |
|                                                                                                                                                                                        | 27                                                                                                                                                                                                                                                                | ●                                                                                 | ●                                                                                   | ●                                                                                   |   |
|                                                                                                                                                                                        | 28                                                                                                                                                                                                                                                                |                                                                                   |                                                                                     |                                                                                     |   |
|                                                                                                                                                                                        | 29                                                                                                                                                                                                                                                                |                                                                                   |                                                                                     |                                                                                     |   |
|                                                                                                                                                                                        | 30                                                                                                                                                                                                                                                                | ●                                                                                 | ●                                                                                   | ●                                                                                   |   |
|                                                                                                                                                                                        | 32                                                                                                                                                                                                                                                                | ●                                                                                 | ●                                                                                   | ●                                                                                   |   |
|                                                                                                                                                                                        | 34                                                                                                                                                                                                                                                                |                                                                                   |                                                                                     |                                                                                     |   |
|                                                                                                                                                                                        |                                                                                                                                                                                | S.210                                                                             | ●                                                                                   | ●                                                                                   | ● |
|                                                                                                                                                                                        |                                                                                                                                                                                | S.215                                                                             | ●                                                                                   | ●                                                                                   | ● |
|                                                                                                                                                                                        |                                                                                                                                                                                | S.240A                                                                            | ●                                                                                   | ●                                                                                   | ● |
|                                                                                                                                                                                        |                                                                                                                                                                                | S.120A                                                                            | ●                                                                                   |                                                                                     |   |
|                                                                                                                                                                                        | <br><br> | PM.S1A                                                                            | PL.323                                                                              | PL.323                                                                              |   |
|                                                                                                                                                                                        |                                                                                                                                                                                                                                                                   |                                                                                   | -                                                                                   |                                                                                     |   |
|                                                                                                                                                                                        |                                                                                                                                                                                                                                                                   | 420 x 190 x 55 mm                                                                 | 420 x 180 x 55 mm                                                                   |                                                                                     |   |
|                                                                                                                                                                                        |                                                                                                                                                                                                                                                                   | 3,45 kg                                                                           | 3,32 kg                                                                             | 3,42 kg                                                                             |   |



## 1/2" Metric long-reach socket and bit sets



### LONG-REACH SOCKETS :

- FOR TIGHTENING AND LOOSENING NUTS ON PROTRUDING THREADS.
- CLEARS OBSTACLES.
- EASIER ACCESS TO RECESSED FASTENERS.

|    |                       | S.450EP                                                                                                                                                                     | S.405E                                                                            | S.404E                                                                            | S.401A                                                                            | S.400A                                                                            | MOD.HLA                                                                             |                                                                                     |
|-------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|    | 1/2". 12.7mm          | S.161                                                                                                                                                                       | -                                                                                 | -                                                                                 | -                                                                                 | -                                                                                 | -                                                                                   | -                                                                                   |
|                                                                                     |                       |           |  |  |  |  |    |    |
|     | 7                     | S.   S.LA | S.HLA                                                                             | S.LA                                                                              | S.H                                                                               | S.                                                                                | S.HLA                                                                               | J.HLA                                                                               |
|                                                                                     | 8                     | •                                                                                                                                                                           |                                                                                   |                                                                                   | •                                                                                 | •                                                                                 |                                                                                     | •                                                                                   |
|                                                                                     | 9                     | •                                                                                                                                                                           |                                                                                   |                                                                                   | •                                                                                 | •                                                                                 |                                                                                     | •                                                                                   |
|                                                                                     | 10                    | •                                                                                                                                                                           |                                                                                   |                                                                                   | •                                                                                 | •                                                                                 |                                                                                     | •                                                                                   |
|                                                                                     | 11                    | •                                                                                                                                                                           |                                                                                   |                                                                                   | •                                                                                 | •                                                                                 |  | •                                                                                   |
|                                                                                     | 12                    | •                                                                                                                                                                           | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                   |  |
|                                                                                     | 13                    | •                                                                                                                                                                           | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                   |                                                                                     |
|                                                                                     | 14                    | •                                                                                                                                                                           | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                   |                                                                                     |
|                                                                                     | 15                    | •                                                                                                                                                                           | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                   |                                                                                     |
|                                                                                     | 16                    | •                                                                                                                                                                           | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                   |                                                                                     |
|                                                                                     | 17                    | •                                                                                                                                                                           | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                   |                                                                                     |
|                                                                                     | 18                    | •                                                                                                                                                                           | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                   |                                                                                     |
|                                                                                     | 19                    | •                                                                                                                                                                           | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                   |                                                                                     |
|                                                                                     | 21                    | •                                                                                                                                                                           | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 |                                                                                     |                                                                                     |
|                                                                                     | 22                    | •                                                                                                                                                                           | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 |                                                                                     |                                                                                     |
|                                                                                     | 23                    | •                                                                                                                                                                           | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 |                                                                                     |                                                                                     |
|                                                                                     | 24                    | •                                                                                                                                                                           | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 |                                                                                     |                                                                                     |
|                                                                                     | 26                    | •                                                                                                                                                                           | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 |                                                                                     |                                                                                     |
|                                                                                     | 27                    | •                                                                                                                                                                           | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 |                                                                                     |                                                                                     |
|                                                                                     | 28                    | •                                                                                                                                                                           | •                                                                                 |                                                                                   | •                                                                                 | •                                                                                 |                                                                                     |                                                                                     |
|                                                                                     | 29                    | •                                                                                                                                                                           | •                                                                                 |                                                                                   | •                                                                                 | •                                                                                 |                                                                                     |                                                                                     |
|                                                                                     | 30                    | •                                                                                                                                                                           | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 |                                                                                     |                                                                                     |
|                                                                                     | 32                    | •                                                                                                                                                                           | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 |                                                                                     |                                                                                     |
|   | S.210                 | •                                                                                                                                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|                                                                                     | S.215                 | •                                                                                                                                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|                                                                                     | S.240A                | •                                                                                                                                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|                                                                                     | S.120A                | •                                                                                                                                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|                                                                                     | S.110                 | •                                                                                                                                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|                                                                                     | S.236                 | •                                                                                                                                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|                                                                                     | S.237                 | •                                                                                                                                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|                                                                                     | S.234                 | •                                                                                                                                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|   | S.141A                | •                                                                                                                                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|                                                                                     |                       |                                                                                                                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|   | ED                    | 3                                                                                                                                                                           | •                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|                                                                                     | +                     | 4                                                                                                                                                                           | •                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|   | ENS                   | 4                                                                                                                                                                           | •                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|                                                                                     | ●                     | 6                                                                                                                                                                           | •                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|  | PLT.11, PL.23, PL.24A |                                                                                                                                                                             | PL.52B                                                                            |                                                                                   | PL.413                                                                            |                                                                                   | PL.609                                                                              |                                                                                     |
|                                                                                     | BT.108                |                                                                                                                                                                             | BP.109                                                                            |                                                                                   | BP.112                                                                            |                                                                                   | -                                                                                   |                                                                                     |
|                                                                                     | 452 x 284 x 111 mm    |                                                                                                                                                                             | 478 x 234 x 72 mm                                                                 |                                                                                   | 389 x 164 x 66 mm                                                                 |                                                                                   | 420 x 180 x 55 mm                                                                   |                                                                                     |
|                                                                                     | 14,86 kg              |                                                                                                                                                                             | 4,65 kg                                                                           | 4,65 kg                                                                           | 2,69 kg                                                                           | 2,69 kg                                                                           | 1,62 kg                                                                             |                                                                                     |

 S.450EP 



 S.405E 

 S.404E 



 S.401A 

 S.400A 



 MOD.HLA 



 1/2"

Torx® socket, bit and wrench sets



SEE SECTION 4 FOR TORX®

RING WRENCHES

SEE SECTION 6 FOR TORX® BITS

 RSX.427 RSX.19A MOD.TX1

|              |                   | RSX.427P                                                                                |                                                                                          | RSX.19A                                                                                   |                                                                                           | MOD.TX1                                                                                   |                                                                                           |
|-----------------------------------------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
|              |                   | R.161 + S.161                                                                           |                                                                                          | -                                                                                         |                                                                                           | -                                                                                         |                                                                                           |
|  1/2" 12.7mm |                   | RTX.                                                                                    | STX.                                                                                     | RTX.                                                                                      | STX.                                                                                      | JTX.                                                                                      | STX.                                                                                      |
|              | 4                 | •                                                                                       |                                                                                          |                                                                                           |                                                                                           |                                                                                           |                                                                                           |
|                                                                                               | 5                 | •                                                                                       |                                                                                          |                                                                                           |                                                                                           |                                                                                           |                                                                                           |
|                                                                                               | 6                 | •                                                                                       |                                                                                          | •                                                                                         |                                                                                           |                                                                                           |                                                                                           |
|                                                                                               | 7                 | •                                                                                       |                                                                                          | •                                                                                         |                                                                                           |  .3/8" |                                                                                           |
|                                                                                               | 8                 | •                                                                                       |                                                                                          | •                                                                                         |                                                                                           | •                                                                                         |                                                                                           |
|                                                                                               | 10                | •                                                                                       |  .1/2" | •                                                                                         |  .1/2" | •                                                                                         |                                                                                           |
|                                                                                               | 12                |  .1/4" | •                                                                                        |  .1/4" | •                                                                                         | •                                                                                         |                                                                                           |
|                                                                                               | 14                |                                                                                         | •                                                                                        |                                                                                           | •                                                                                         | •                                                                                         |                                                                                           |
|                                                                                               | 16                |                                                                                         | •                                                                                        |                                                                                           | •                                                                                         | •                                                                                         |  .1/2" |
|                                                                                               | 18                |                                                                                         | •                                                                                        |                                                                                           | •                                                                                         |                                                                                           | •                                                                                         |
|                                                                                               | 20                |                                                                                         | •                                                                                        |                                                                                           | •                                                                                         |                                                                                           | •                                                                                         |
|              | AMZ.H             | •                                                                                       |                                                                                          |                                                                                           |                                                                                           |                                                                                           |                                                                                           |
|                                                                                               | R.235             | •                                                                                       |                                                                                          | •                                                                                         |                                                                                           | •                                                                                         |                                                                                           |
|                                                                                               | S.236             |                                                                                         |                                                                                          | •                                                                                         |                                                                                           | •                                                                                         |                                                                                           |
|                                                                                               | J.235             |                                                                                         |                                                                                          |                                                                                           |                                                                                           | •                                                                                         |                                                                                           |
|             | SXM               | •                                                                                       |                                                                                          |                                                                                           |                                                                                           |                                                                                           |                                                                                           |
|                                                                                               | 30                | •                                                                                       |                                                                                          |                                                                                           |                                                                                           |                                                                                           |                                                                                           |
|                                                                                               | 40                | •                                                                                       |                                                                                          |                                                                                           |                                                                                           |                                                                                           |                                                                                           |
|                                                                                               | 45                | •                                                                                       |                                                                                          |                                                                                           |                                                                                           |                                                                                           |                                                                                           |
|                                                                                               | 50                | •                                                                                       |                                                                                          |                                                                                           |                                                                                           |                                                                                           |                                                                                           |
|            | EXR               |                                                                                         |                                                                                          | •                                                                                         |                                                                                           | •                                                                                         |                                                                                           |
|                                                                                               | 15                |                                                                                         |                                                                                          | •                                                                                         |                                                                                           | •                                                                                         |                                                                                           |
|                                                                                               | 20                |                                                                                         |                                                                                          | •                                                                                         |                                                                                           | •                                                                                         |                                                                                           |
|                                                                                               | 25                |                                                                                         |                                                                                          | •                                                                                         |                                                                                           | •                                                                                         |                                                                                           |
|                                                                                               | 27                |                                                                                         |                                                                                          | •                                                                                         |                                                                                           | •                                                                                         |                                                                                           |
|                                                                                               | 30                |                                                                                         |                                                                                          | •                                                                                         |                                                                                           | •                                                                                         |                                                                                           |
|                                                                                               | 40                |                                                                                         |                                                                                          | •                                                                                         |                                                                                           | •                                                                                         |                                                                                           |
|            | EX                | •                                                                                       |                                                                                          |                                                                                           |                                                                                           |                                                                                           |                                                                                           |
|                                                                                               | 10                | •                                                                                       |                                                                                          |                                                                                           |                                                                                           |                                                                                           |                                                                                           |
|                                                                                               | 15                | •                                                                                       |                                                                                          |                                                                                           |                                                                                           |                                                                                           |                                                                                           |
|                                                                                               | 20                | •                                                                                       |                                                                                          |                                                                                           |                                                                                           |                                                                                           |                                                                                           |
|                                                                                               | 25                | •                                                                                       |                                                                                          |                                                                                           |                                                                                           |                                                                                           |                                                                                           |
|                                                                                               | 27                | •                                                                                       |                                                                                          |                                                                                           |                                                                                           |                                                                                           |                                                                                           |
|                                                                                               | 40                |                                                                                         |                                                                                          |                                                                                           |                                                                                           | •                                                                                         |                                                                                           |
|                                                                                               | 45                |                                                                                         |                                                                                          |                                                                                           |                                                                                           | •                                                                                         |                                                                                           |
|                                                                                               | 50                |                                                                                         |                                                                                          |                                                                                           |                                                                                           | •                                                                                         |                                                                                           |
|            | EX                |                                                                                         |                                                                                          | •                                                                                         |                                                                                           |                                                                                           |                                                                                           |
|                                                                                               | 250               |                                                                                         |                                                                                          | •                                                                                         |                                                                                           |                                                                                           |                                                                                           |
|                                                                                               | 255               |                                                                                         |                                                                                          | •                                                                                         |                                                                                           |                                                                                           |                                                                                           |
|            | 6x8               |                                                                                         |                                                                                          |                                                                                           |                                                                                           | •                                                                                         |                                                                                           |
|                                                                                               | 10x12             |                                                                                         |                                                                                          |                                                                                           |                                                                                           | •                                                                                         |                                                                                           |
|                                                                                               | 14x18             |                                                                                         |                                                                                          |                                                                                           |                                                                                           | •                                                                                         |                                                                                           |
|                                                                                               | 20x24             |                                                                                         |                                                                                          |                                                                                           |                                                                                           | •                                                                                         |                                                                                           |
|            | PL.220B           |                                                                                         |                                                                                          | PL.393A                                                                                   |                                                                                           | PL.360                                                                                    |                                                                                           |
|                                                                                               | BP.112            |                                                                                         |                                                                                          | BP.102                                                                                    |                                                                                           | -                                                                                         |                                                                                           |
|                                                                                               | 389 x 164 x 66 mm |                                                                                         |                                                                                          | 204 x 122 x 52 mm                                                                         |                                                                                           | 420 x 180 x 55 mm                                                                         |                                                                                           |
|                                                                                               |                   | 2,00 kg                                                                                 |                                                                                          | 0,62 kg                                                                                   |                                                                                           | 0,99 kg                                                                                   |                                                                                           |

# Standard 1/2" range

 1/2"

Inch socket and bit sets

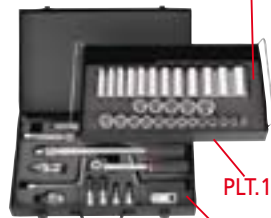


|                          | S.441AUP          | S.440AUP                      | S.450UP              | S.420AU           | MOD.S2      | MOD.SM2      |
|-----------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|----------------------|-------------------|-------------|--------------|
| <br>12+6<br>1/2". 12.7mm | S.161<br>6        | S.161<br>12                   | S.161+S.156<br>12 12 | S.151<br>12       | S.161<br>12 | SM.161<br>12 |
|                           | S.H               | S.                            | S.                   | S.LA              | S.          | S.           |
| 3/8                                                                                                       | •                 | •                             | •                    | •                 | •           | •            |
| 7/16                                                                                                      | •                 | •                             | •                    | •                 | •           | •            |
| 1/2                                                                                                       | •                 | •                             | •                    | •                 | •           | •            |
| 9/16                                                                                                      | •                 | •                             | •                    | •                 | •           | •            |
| 19/32                                                                                                     | •                 | •                             | •                    | •                 | •           | •            |
| 5/8                                                                                                       | •                 | •                             | •                    | •                 | •           | •            |
| 21/32                                                                                                     | •                 | •                             | •                    | •                 | •           | •            |
| 11/16                                                                                                     | •                 | •                             | •                    | •                 | •           | •            |
| 3/4                                                                                                       | •                 | •                             | •                    | •                 | •           | •            |
| 25/32                                                                                                     | •                 | •                             | •                    | •                 | •           | •            |
| 13/16                                                                                                     | •                 | •                             | •                    | •                 | •           | •            |
| 7/8                                                                                                       | •                 | •                             | •                    | •                 | •           | •            |
| 15/16                                                                                                     | •                 | •                             | •                    | •                 | •           | •            |
| 31/32                                                                                                     | •                 | •                             | •                    | •                 | •           | •            |
| 1                                                                                                         | •                 | •                             | •                    | •                 | •           | •            |
| 1 1/16                                                                                                    | •                 | •                             | •                    | •                 | •           | •            |
| 1 1/8                                                                                                     | •                 | •                             | •                    | •                 | •           | •            |
| 1 1/4                                                                                                     | •                 | •                             | •                    | •                 | •           | •            |
|  S.210                  | •                 | •                             | •                    | •                 | •           | •            |
|  S.215                  | •                 | •                             | •                    | •                 | •           | •            |
|  S.240A                 | •                 | •                             | •                    | •                 | •           | •            |
|  S.120A                 | •                 | •                             | •                    | •                 | •           | •            |
|  S.110                  | •                 | •                             | •                    | •                 | •           | •            |
|  S.236                  | •                 | •                             | •                    | •                 | •           | •            |
|  S.237                  | •                 | •                             | •                    | •                 | •           | •            |
|  S.234                  | •                 | •                             | •                    | •                 | •           | •            |
|  S.141A                 | •                 | •                             | •                    | •                 | •           | •            |
|  ED 3                   | •                 | •                             | •                    | •                 | •           | •            |
|  4                      | •                 | •                             | •                    | •                 | •           | •            |
|  ENS 14                 | •                 | •                             | •                    | •                 | •           | •            |
|  16                     | •                 | •                             | •                    | •                 | •           | •            |
|                        | PL.702<br>BR.109  | PLT.11 PL.23 PL.25A<br>BT.108 | PL.415<br>BP.112     | PL.604<br>-       |             |              |
|                        | 478 x 234 x 72 mm | 452 x 284 x 111 mm            | 389 x 164 x 66 mm    | 420 x 180 x 55 mm |             |              |
|                        | 5,18 kg           | 5,18 kg                       | 13,03 kg             | 2,43 kg           | 2,95 kg     | 3,05 kg      |

 S.441AUP 6  
S.440AUP 12



 S.450UP 12 PL.25  
PLT.11  
PL.24



 S.420AU 12



 MOD.S2 12



S.161

 MOD.SM2 12



SM.161





 1/2"

"Standard" ratchets

## Facom "round head" ratchets

⇒ S.171  
● ● ○ ○ ○ ○⇒ S.161  
○ ● ○ ○ ○ ○⇒ S.151  
○ ○ ○ ○ ○ ○⇒ S.154  
○ ○ ● ○ ○ ○⇒ S.143A  
○ ● ○ ○ ○ ●⇒ S.153A  
○ ● ○ ○ ○ ●**The solution for congested spaces****Compact :**

- The Facom ratchet mechanism ensures a very compact round head.

**Precise :**

- 72-tooth mechanism gives increments of only 5°.

**High performance :**

- Meet the requirements of ISO 3315, DIN 3122 NF ISO 3315.

## Metal grip ratchets

⇒ S.155A  
○ ● ○ ● ○ ○⇒ S.157A  
○ ● ○ ● ○ ○⇒ S.158A  
○ ● ○ ● ○ ●

- Ideal for environments where PVC grips are vulnerable to solvent attack.

⇒ S.156

Ratchet attachment.  
Female drive :  1/2".  
Male drive :  1/2".

## "Parking meter" ratchets

⇒ SM.171  
● ● ○ ○ ○ ○⇒ SM.161  
○ ● ○ ○ ○ ○⇒ SM.150  
○ ● ○ ○ ○ ○**Sturdy :**

- "Parking meter" ratchets are ideal for use in difficult working conditions : their mechanism is protected and has fewer teeth (50) than a "round-head" ratchet (72).

**Ergonomic :**

- Recessed reverse lever avoids accidental reversal and is easier to operate with gloved hands.

 1/2"

## Selection guide

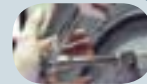
### Locking system

**Safe :** Locking system can resist a socket pull-off force of up to 600 Newtons. No lost sockets.  
**Ergonomic :** Immediate socket release simply by pressing the button, even with slippery or gloved hands.



### Palm control system

**Ergonomic :** Allows the operator to push down on the head of the ratchet while avoiding accidental reversal.



### Long handle

**Power :** Transmits more torque without over-loading the ratchet mechanism.

### Metal handle

**Sturdy :** Ideal for environments where PVC grips are vulnerable to solvent attack.  
**Grip :** Knurled to avoid all risk of slippage.

### "Parking meter" ratchets

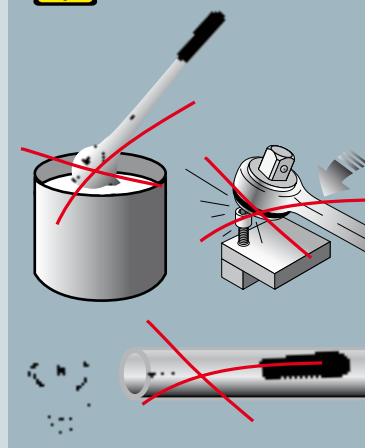
**Ideal for use in difficult working conditions :** protected mechanism.

### Hinged handle

**Hinged handle with stiffened joint for optimum clearance.**



### Precautions of use



|  | S.171 | S.161 | S.151 | S.154 | S.143A | S.153A | SM.171 | SM.161 | SM.150 | S.155A | S.157A | S.158A | S.156 |
|-------------------------------------------------------------------------------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| <b>Advantages</b>                                                                   |       |       |       |       |        |        |        |        |        |        |        |        |       |
| Locking system                                                                      | ●     |       |       |       |        |        | ●      |        |        |        |        |        |       |
| Palm control system                                                                 | ●     | ●     |       |       | ●      | ●      | ●      | ●      | ●      | ●      | ●      | ●      |       |
| Long handle                                                                         |       |       |       | ●     |        | ●      |        |        |        |        | ●      | ●      |       |
| Metal handle                                                                        |       |       |       |       |        |        |        |        |        | ●      | ●      | ●      |       |
| "Parking meter" head                                                                |       |       |       |       |        |        | ●      | ●      | ●      |        |        |        |       |
| Hinged handle                                                                       |       |       |       |       | ●      | ●      |        |        |        |        |        | ●      |       |
| <b>Characteristics</b>                                                              |       |       |       |       |        |        |        |        |        |        |        |        |       |
| <b>Increments</b>                                                                   | 5°    | 5°    | 5°    | 5°    | 5°     | 5°     | 7°     | 7°     | 7°     | 5°     | 5°     | 5°     | 5°    |
| <b>No of teeth</b>                                                                  | 72    | 72    | 72    | 72    | 72     | 72     | 50     | 50     | 50     | 72     | 72     | 72     | 72    |
| <b>L (mm)</b>                                                                       | 250   | 250   | 251   | 400   | 266    | 400    | 259.5  | 259.5  | 259.5  | 257    | 380    | 430    | -     |
| <b>l (mm)</b>                                                                       | 231   | 231   | 232   | 380   | 247    | 381    | 238    | 238    | 238    | 238    | 361    | 411    | -     |
| <b>a (mm)</b>                                                                       | 44    | 43    | 40    | 40    | 43     | 43     | 38     | 38     | 38     | 43     | 43     | 43     | 59    |
| <b>b (mm)</b>                                                                       | 38.5  | 38.5  | 38.5  | 39.5  | 38     | 38     | 43     | 43     | 43     | 38.5   | 38.5   | 37     | 39    |
| <b>c (mm)</b>                                                                       | 28.5  | 27.5  | 24.5  | 24.5  | 27.5   | 27.5   | 22.5   | 22.5   | 22.5   | 27.5   | 27.5   | 27.5   | 39    |
| <b>Ø (mm)</b>                                                                       | 31    | 31    | 29    | 29    | 31     | 31     | 31     | 31     | 31     | 19     | 19     | 19     | -     |
| <b>Δ g</b>                                                                          | 495   | 490   | 475   | 780   | 598    | 755    | 600    | 605    | 580    | 570    | 725    | 930    | 230   |
| <b>Maintenance</b>                                                                  |       |       |       |       |        |        |        |        |        |        |        |        |       |
| <b>Knurl caps</b>                                                                   |       |       |       |       |        |        |        |        |        |        |        |        |       |
| S.161C                                                                              |       | ●     |       |       | ●      | ●      |        |        |        | ●      | ●      | ●      |       |
| S.151C                                                                              |       |       | ●     | ●     |        |        |        |        |        |        |        |        |       |
| S.156C                                                                              |       |       |       |       |        |        |        |        |        |        |        |        | ●     |
| SM.150C                                                                             |       |       |       |       |        |        | ●      | ●      | ●      |        |        |        |       |
| <b>Spare parts kit</b>                                                              |       |       |       |       |        |        |        |        |        |        |        |        |       |
| S.161RN                                                                             |       | ●     |       |       | ●      | ●      |        |        |        | ●      | ●      | ●      |       |
| S.151RN                                                                             |       |       | ●     | ●     |        |        |        |        |        |        |        |        | ●     |
| SM.150RN                                                                            |       |       |       |       |        |        |        | ●      | ●      |        |        |        |       |
| SM.171RN                                                                            |       |       |       |       |        |        | ●      |        |        |        |        |        |       |
| <b>Square drives</b>                                                                |       |       |       |       |        |        |        |        |        |        |        |        |       |
| S.151R                                                                              |       | ●     | ●     | ●     | ●      | ●      |        |        |        | ●      | ●      | ●      | ●     |
| SM.150-04                                                                           |       |       |       |       |        |        |        | ●      | ●      |        |        |        |       |
| SM.171-04                                                                           |       |       |       |       |        |        | ●      |        |        |        |        |        |       |



► Accessories  1/2"

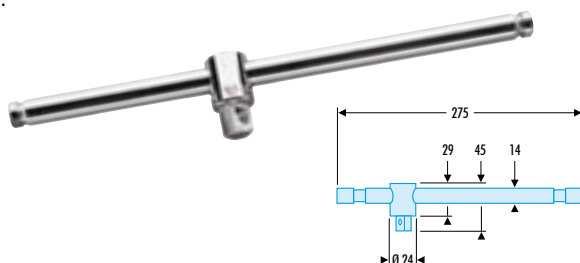
## 1/2" drive sliding tee

**S.120**

▷ Performance : to ISO 3315, DIN 3122, NF ISO 3315.

- Friction-head allows bar to form a T or L-handle.

ΔΔ : 408 g.



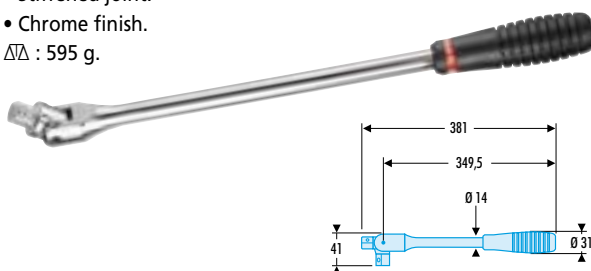
## 1/2" drive hinged handle 381 mm

**S.141A**

▷ Performance : to ISO 3315, DIN 3122, NF ISO 3315.

- Stiffened joint.
- Chrome finish.

ΔΔ : 595 g.



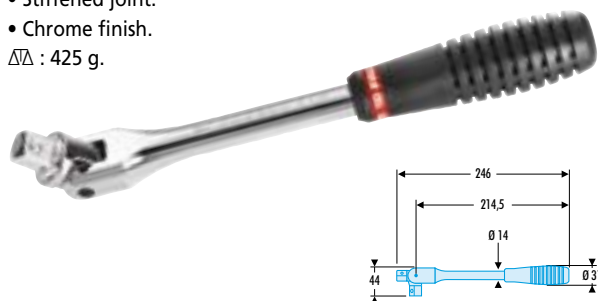
## 1/2" drive hinged handle 246 mm

**S.140A**

▷ Performance : to ISO 3315, DIN 3122, NF ISO 3315.

- Stiffened joint.
- Chrome finish.

ΔΔ : 425 g.



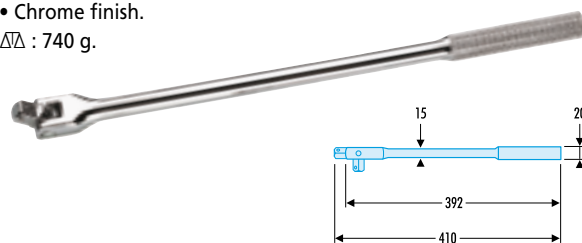
## 1/2" drive metal-grip hinged handle 410 mm

**S.145**

▷ Performance : to ISO 3315, DIN 3122, NF ISO 3315.

- Stiffened joint.
- Chrome finish.

ΔΔ : 740 g.



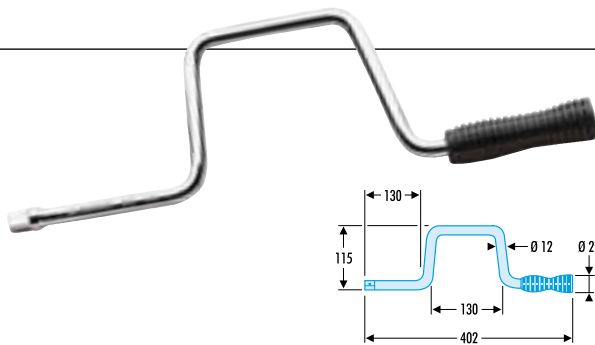
## 1/2" drive speed brace

**S.110**

▷ Performance : to ISO 3315, DIN 3122, NF ISO 3315.

- Significant time-savings whenever space allows.
- PVC rotating handle.
- Chrome finish.

ΔΔ : 510 g.



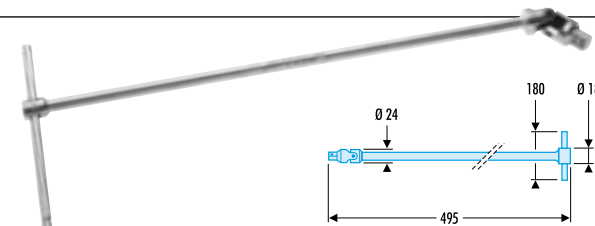
## 1/2" drive tee with universal joint 495 mm

**S.229**

▷ Performance : to ISO 1174-1, DIN 3120, NF ISO 1174-1.

- Universal joint for high torques.

ΔΔ : 550 g.



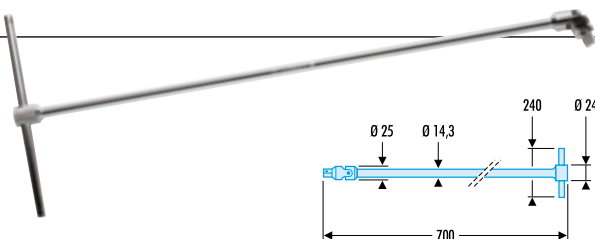
## 1/2" drive tee with universal joint 700 mm

**S.228**

▷ Performance : to ISO 1174-1, DIN 3120, NF ISO 1174-1.

- Extended reach of tee-handle is ideal for particularly deep recesses.

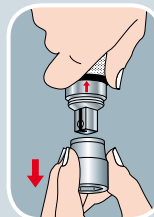
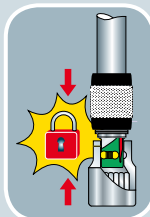
ΔΔ : 1.2 kg.





## Locking system = total safety

- Resists a socket pull-off load of over 60 kg
- Prevents accidental socket loss
- Instantly unlocks by retracting the knurled ring.



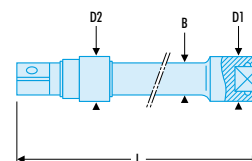
Use only with sockets equipped with an internal ball notch.

## S.RC 1/2" drive locking extensions

- Total safety.
- Lock system prevents socket loss.
- Safety and instant release, by retracting knurled ring, for total user confidence.
- Positive locking for use with sockets with internal ball notch.

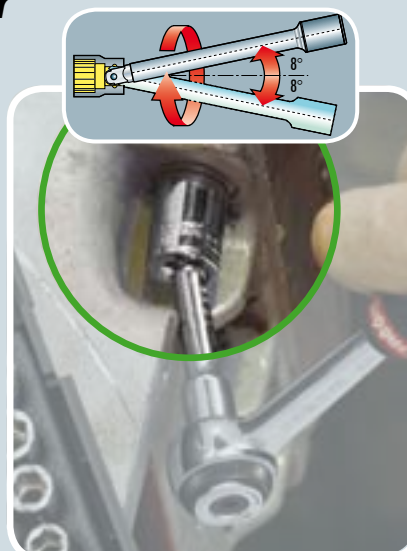


|  |  | D1<br>mm | B<br>mm | D2<br>mm | L<br>mm | ΔΔ<br>g |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|---------|----------|---------|---------|
| <b>S.210RC</b>                                                                     | 1/2                                                                                 | 23       | 16,5    | 23       | 130     | 250     |
| <b>S.215RC</b>                                                                     | 1/2                                                                                 | 23       | 16,5    | 23       | 250     | 450     |
| <b>S.217RC</b>                                                                     | 1/2                                                                                 | 23       | 16,5    | 23       | 500     | 860     |



## Wobble extensions

*Inaccessible with a socket or  
a universal joint?  
Use a wobble  
extension !*

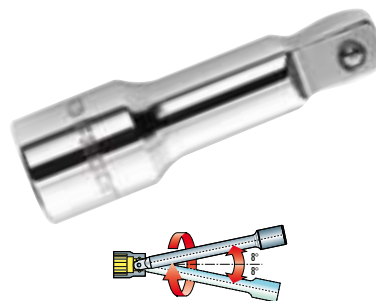




**S 1/2" drive wobble extensions**

- Square drive rounded profile gives 8° working angle.
- Useful where access is restricted.

|  |  | D<br>mm | B<br>mm | L<br>mm | ΔΔ<br>g |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------|---------|---------|---------|
| <b>S.208S</b>                                                                     | 1/2                                                                               | 23      | 16,5    | 75      | 130     |
| <b>S.210S</b>                                                                     | 1/2                                                                               | 23      | 16,5    | 130     | 225     |
| <b>S.215S</b>                                                                     | 1/2                                                                               | 23      | 16,5    | 250     | 420     |

**S 1/2" drive extensions**

- ▷ Performance : to ISO 3316, DIN 3123, NF ISO 3316.
- Chrome finish.

|  |  | D<br>mm | B<br>mm | L<br>mm | ΔΔ<br>g |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------|---------|---------|---------|
| <b>S.206</b>                                                                      | 1/2                                                                               | 23      | 16,5    | 52,5    | 90      |
| <b>S.208</b>                                                                      | 1/2                                                                               | 23      | 16,5    | 75,0    | 130     |
| <b>S.210</b>                                                                      | 1/2                                                                               | 23      | 16,5    | 130,0   | 225     |
| <b>S.215</b>                                                                      | 1/2                                                                               | 23      | 16,5    | 250,0   | 420     |
| <b>S.217</b>                                                                      | 1/2                                                                               | 23      | 16,5    | 500,0   | 840     |

**1/2" universal joint****S.240A**

- ▷ Performance : to ISO 3316, DIN 3123, NF ISO 3316.
- Spring-stiffened joint.
  - Stays in position when reaching for fasteners.
  - Significant time savings.
- ΔΔ : 150 g.

**1/2" to 3/8" coupler****S.230**

- ▷ Performance : to ISO 3316, DIN 3123, NF ISO 3316.
- 1/2" female to 3/8" male square drive.
  - For adapting sockets and accessories  3/8".
  - Max. torque 212 N.m.
- ΔΔ : 55 g.

**1/2" to CDX® coupler****S.231**

- 1/2" female to CDX® male square drive.
- ΔΔ : 65 g.



# Standard 1/2" range

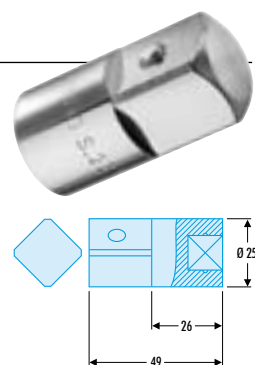
## 1/2" to 3/4" coupler

### S.232B

▷ Performance : to ISO 3316, DIN 3123, NF ISO 3316.

- 1/2" female to 3/4" male square drive with plunger.
- For adapting sockets and accessories  3/4".
- Male square drive with plunger for positive locking of sockets and accessories.

ΔΔ : 135 g.



## Set of 3 couplers

### D.169

• Allows use of square drives smaller than socket drive sizes :

- 1/4" square drive + D.169RJ ▷ 3/8" socket.
- 3/8" square drive + D.169JS ▷ 1/2" socket.
- 1/2" square drive + D.169SK ▷ 3/4" socket.
- Compactness means that fewer tools are needed for in situ maintenance operations.
- Magnetic retainer and locking system (JS and SK).
- Knurl allows hand tightening where access is difficult.

ΔΔ : 96 g.

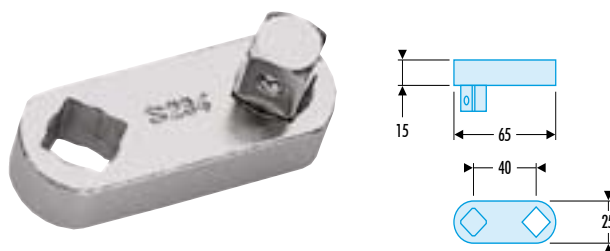


## 1/2" drive offset adaptor

### S.234

- 1/2" female to 1/2" male square drive.
- Offset centrelines for enhanced accessibility.

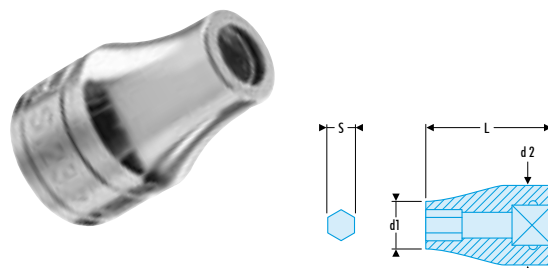
ΔΔ : 165 g.



## 1/2" drive spring-clip bit holders

▷ Performance : to ISO 1173, DIN 3126, NF ISO 1173.

|  | S    |  | d1<br>mm | d2<br>mm | L<br>mm | ΔΔ<br>g |
|------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|----------|----------|---------|---------|
| S.236                                                                              | 5/16 | 1/2                                                                                 | 14       | 23       | 36      | 54      |
| S.237                                                                              | 1/2  | 1/2                                                                                 | 20,5     | 23       | 44      | 70      |



## 1/2" drive lock-ring bit holder

### E.F.S

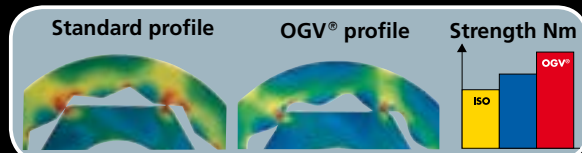
|  |  |  | Length<br>mm | ΔΔ<br>g |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------|---------|
| E.F.S                                                                              | 1/4                                                                                 | 1/2                                                                                 | 50           | 88      |



► **Special  1/2" OGV® sockets****Facom OGV® profile****HIGHER TORQUE WITHOUT  
DAMAGING THE FASTENER !**

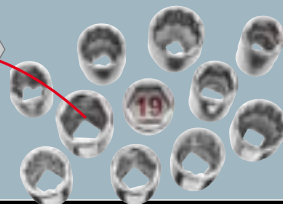
The OGV® profile is achieved by a succession of curves instead of the flats found in conventional sockets®.

- **More powerful tightening :**  
Larger contact area between socket and fastener minimises stress.
- **Less wear :**  
Torque is transmitted through the fastener flats instead of the corners.
- **Increased durability :**  
Stress concentration in the corners is eliminated.

**Le TAG : pastilles pour douilles**

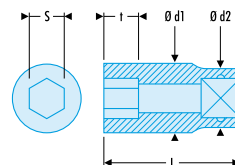
- Immediately identify your sockets.
- 6- or 12 point sockets.

⇒ **TAG**

**S 1/2" drive metric 6 and 12-point OGV® sockets**

► Performance : to ISO 2725-1, DIN 3124, NF ISO 2725-1.

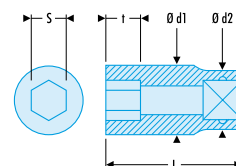
|  |  | S  | Ø d1 | Ø d2 | t    | L  | ΔΔ  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|------|------|------|----|-----|
| mm                                                                                  | mm                                                                                  | mm | mm   | mm   | mm   | mm | g   |
| <b>S.8H</b>                                                                         | <b>S.8</b>                                                                          | 8  | 13,1 | 22,8 | 6,5  | 36 | 48  |
| <b>S.9H</b>                                                                         | <b>S.9</b>                                                                          | 9  | 13,8 | 22,8 | 6,5  | 36 | 48  |
| <b>S.10H</b>                                                                        | <b>S.10</b>                                                                         | 10 | 15,3 | 22,8 | 7,8  | 36 | 48  |
| <b>S.11H</b>                                                                        | <b>S.11</b>                                                                         | 11 | 16,5 | 22,8 | 9,0  | 36 | 51  |
| <b>S.12H</b>                                                                        | <b>S.12</b>                                                                         | 12 | 17,8 | 22,8 | 9,5  | 36 | 52  |
| <b>S.13H</b>                                                                        | <b>S.13</b>                                                                         | 13 | 18,9 | 22,8 | 10,4 | 36 | 55  |
| <b>S.14H</b>                                                                        | <b>S.14</b>                                                                         | 14 | 20,2 | 22,8 | 10,5 | 36 | 57  |
| <b>S.15H</b>                                                                        | <b>S.15</b>                                                                         | 15 | 21,4 | 22,8 | 12,0 | 36 | 60  |
| <b>S.16H</b>                                                                        | <b>S.16</b>                                                                         | 16 | 22,6 | 21,6 | 12,0 | 36 | 57  |
| <b>S.17H</b>                                                                        | <b>S.17</b>                                                                         | 17 | 24,1 | 23,1 | 13,0 | 36 | 61  |
| <b>S.18H</b>                                                                        | <b>S.18</b>                                                                         | 18 | 25,5 | 23,4 | 13,0 | 36 | 68  |
| <b>S.19H</b>                                                                        | <b>S.19</b>                                                                         | 19 | 26,6 | 24,6 | 14,0 | 36 | 69  |
| <b>S.20H</b>                                                                        | <b>S.20</b>                                                                         | 20 | 27,4 | 25,4 | 14,0 | 36 | 71  |
| <b>S.21H</b>                                                                        | <b>S.21</b>                                                                         | 21 | 29,1 | 25,1 | 16,0 | 38 | 93  |
| <b>S.22H</b>                                                                        | <b>S.22</b>                                                                         | 22 | 30,4 | 26,4 | 16,5 | 38 | 101 |
| <b>S.23H</b>                                                                        | <b>S.23</b>                                                                         | 23 | 31,6 | 27,6 | 16,5 | 38 | 122 |
| <b>S.24H</b>                                                                        | <b>S.24</b>                                                                         | 24 | 32,7 | 28,7 | 16,5 | 38 | 130 |
| <b>S.25H</b>                                                                        | <b>S.25</b>                                                                         | 25 | 34,1 | 27,7 | 16,5 | 38 | 139 |
| <b>S.26H</b>                                                                        | <b>S.26</b>                                                                         | 26 | 35,4 | 29   | 16,5 | 38 | 149 |
| <b>S.27H</b>                                                                        | <b>S.27</b>                                                                         | 27 | 36,6 | 29,2 | 19,0 | 44 | 164 |
| <b>S.28H</b>                                                                        | <b>S.28</b>                                                                         | 28 | 37,9 | 30,5 | 20,0 | 44 | 175 |
| <b>S.29H</b>                                                                        | <b>S.29</b>                                                                         | 29 | 38,7 | 31,3 | 20,0 | 44 | 179 |
| <b>S.30H</b>                                                                        | <b>S.30</b>                                                                         | 30 | 40,4 | 33   | 20,0 | 44 | 201 |
| <b>S.31H</b>                                                                        | <b>S.31</b>                                                                         | 31 | 41,6 | 34,2 | 20,0 | 44 | 205 |
| <b>S.32H</b>                                                                        | <b>S.32</b>                                                                         | 32 | 42,6 | 35,1 | 20,0 | 44 | 215 |
| <b>S.34H</b>                                                                        | <b>S.34</b>                                                                         | 34 | 44,9 | 37,5 | 20,0 | 44 | 240 |



## S 1/2" drive inch 6 and 12-point OGV® sockets

▷ Performance : to GGG.W.641E, ANSI B 107.1.

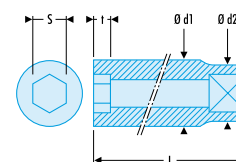
|  |  | S<br>" | Ø d1<br>mm | Ø d2<br>mm | t<br>mm | L<br>mm | ΔΔ<br>g |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------|------------|------------|---------|---------|---------|
| S.3/8H                                                                           | S.3/8                                                                             | 3/8    | 14,7       | 22,8       | 7,8     | 36      | 48      |
| S.7/16H                                                                          | S.7/16                                                                            | 7/16   | 16,5       | 22,8       | 9,0     | 36      | 51      |
| S.1/2H                                                                           | S.1/2                                                                             | 1/2    | 18,9       | 22,8       | 10,4    | 36      | 55      |
| S.9/16H                                                                          | S.9/16                                                                            | 9/16   | 20,2       | 22,8       | 10,5    | 36      | 58      |
| S.19/32H                                                                         | S.19/32                                                                           | 19/32  | 21,4       | 22,8       | 12,0    | 36      | 60      |
| S.5/8H                                                                           | S.5/8                                                                             | 5/8    | 22,6       | 21,6       | 12,0    | 36      | 65      |
| S.21/32H                                                                         | S.21/32                                                                           | 21/32  | 24,1       | 23,1       | 13,0    | 36      | 65      |
| S.11/16H                                                                         | S.11/16                                                                           | 11/16  | 24,6       | 22,6       | 13,0    | 36      | 71      |
| S.3/4H                                                                           | S.3/4                                                                             | 3/4    | 27         | 25         | 14,0    | 36      | 68      |
| S.25/32H                                                                         | S.25/32                                                                           | 25/32  | 27,9       | 25,9       | 14,0    | 36      | 72      |
| S.13/16H                                                                         | S.13/16                                                                           | 13/16  | 28,6       | 24,6       | 16,0    | 38      | 96      |
| S.7/8H                                                                           | S.7/8                                                                             | 7/8    | 30,4       | 26,4       | 16,5    | 38      | 99      |
| S.15/16H                                                                         | S.15/16                                                                           | 15/16  | 32,7       | 28,7       | 16,5    | 38      | 132     |
| S.31/32H                                                                         | S.31/32                                                                           | 31/32  | 34,1       | 27,7       | 16,5    | 38      | 142     |
| S.1"H                                                                            | S.1"                                                                              | 1      | 34,7       | 28,3       | 16,5    | 38      | 152     |
| S.1"1/16H                                                                        | S.1"1/16                                                                          | 1 1/16 | 36,6       | 29,2       | 19,0    | 44      | 164     |
| S.1"1/8H                                                                         | S.1"1/8                                                                           | 1 1/8  | 38,7       | 31,3       | 20,0    | 44      | 182     |
| S.1"3/16H                                                                        | S.1"3/16                                                                          | 1 3/16 | 40,4       | 33         | 20,0    | 44      | 201     |
| S.1"1/4H                                                                         | S.1"1/4                                                                           | 1 1/4  | 42,5       | 35,1       | 20,0    | 44      | 229     |



## S.LA 1/2" drive long-reach metric 6 and 12-point OGV® sockets

▷ Performance : to ISO 2725-1, DIN 3124, NF ISO 2725-1.

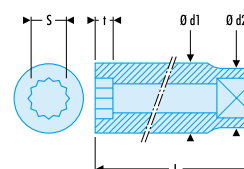
|  |  | S<br>mm | Ø d1<br>mm | Ø d2<br>mm | t<br>mm | L<br>mm | ΔΔ<br>g |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------|------------|------------|---------|---------|---------|
| S.12HLA                                                                            | S.12LA                                                                              | 12      | 17,8       | 21         | 12      | 77      | 105     |
| S.13HLA                                                                            | S.13LA                                                                              | 13      | 19,0       | 21,8       | 12      | 77      | 115     |
| S.14HLA                                                                            | S.14LA                                                                              | 14      | 20,3       | 21,8       | 15      | 77      | 120     |
| S.15HLA                                                                            | S.15LA                                                                              | 15      | 21,5       | 21,8       | 15      | 77      | 125     |
| S.16HLA                                                                            | S.16LA                                                                              | 16      | 22,8       | 22,0       | 15      | 77      | 128     |
| S.17HLA                                                                            | S.17LA                                                                              | 17      | 24         | 23,0       | 15      | 77      | 140     |
| S.18HLA                                                                            | S.18LA                                                                              | 18      | 25         | 24,0       | 18      | 77      | 160     |
| S.19HLA                                                                            | S.19LA                                                                              | 19      | 26,5       | 25,0       | 18      | 77      | 160     |
| S.21HLA                                                                            | S.21LA                                                                              | 21      | 29,0       | 27,0       | 18      | 77      | 200     |
| S.22HLA                                                                            | S.22LA                                                                              | 22      | 30,0       | 28,0       | 21      | 77      | 215     |
| S.23HLA                                                                            | S.23LA                                                                              | 23      | 31,5       | 29,0       | 21      | 77      | 232     |
| S.24HLA                                                                            | S.24LA                                                                              | 24      | 32,8       | 30,0       | 24      | 77      | 255     |
| S.26HLA                                                                            | S.26LA                                                                              | 26      | 35,0       | 32,0       | 24      | 77      | 280     |
| S.27HLA                                                                            | S.27LA                                                                              | 27      | 36,5       | 33,0       | 27      | 77      | 310     |
| S.28HLA                                                                            | S.28LA                                                                              | 28      | 37,8       | 34,0       | 27      | 77      | 330     |
| S.29HLA                                                                            | S.29LA                                                                              | 29      | 39,0       | 35,0       | 27      | 77      | 355     |
| S.30HLA                                                                            | S.30LA                                                                              | 30      | 40,0       | 36,0       | 30      | 77      | 355     |
| S.32HLA                                                                            | S.32LA                                                                              | 32      | 42,8       | 38,0       | 33      | 77      | 408     |



## S.LA 1/2" long-reach inch 12-point OGV® sockets

▷ Performance : to GGG. W.641E, ANSI B 107.1, ASME B 107.1.

|  | S<br>" | Ø d1<br>mm | Ø d2<br>mm | t<br>mm | L<br>mm | ΔΔ<br>g |
|------------------------------------------------------------------------------------|--------|------------|------------|---------|---------|---------|
| S.1/2LA                                                                            | 1/2    | 19,0       | 22,3       | 8,1     | 82,2    | 135     |
| S.9/16LA                                                                           | 9/16   | 20,6       | 22,3       | 9,6     | 82,2    | 138     |
| S.5/8LA                                                                            | 5/8    | 22,3       | 22,3       | 10,9    | 82,2    | 150     |
| S.11/16LA                                                                          | 11/16  | 24,4       | 24,4       | 10,9    | 82,2    | 160     |
| S.3/4LA                                                                            | 3/4    | 26,9       | 26,9       | 12,4    | 82,2    | 165     |
| S.13/16LA                                                                          | 13/16  | 28,7       | 28,7       | 12,9    | 82,2    | 175     |
| S.7/8LA                                                                            | 7/8    | 30,2       | 30,2       | 14,0    | 82,2    | 200     |
| S.15/16LA                                                                          | 15/16  | 31,7       | 31,7       | 15,0    | 82,2    | 225     |
| S.1"LA                                                                             | 1      | 33,3       | 33,3       | 15,2    | 82,2    | 255     |
| S.1"1/16LA                                                                         | 1 1/16 | 36,5       | 36,5       | 16,0    | 82,2    | 320     |
| S.1"1/8LA                                                                          | 1 1/8  | 38,1       | 38,1       | 16,7    | 82,2    | 350     |
| S.1"1/4LA                                                                          | 1 1/4  | 42,9       | 42,9       | 16,7    | 82,2    | 430     |





## Rack sets of 1/2" drive metric and inch sockets

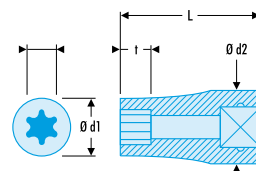
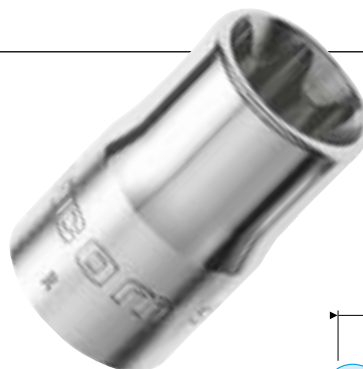
|  | Dimensions<br>mm - "              | Rack   | $\Delta\Delta$<br>g |
|-----------------------------------------------------------------------------------|-----------------------------------|--------|---------------------|
| <b>S.40E</b>                                                                      | 8-9-10-11-12-13-14-15-16          | CKS.95 | 570                 |
| <b>S.41E</b>                                                                      | 17-18-19-20-21-22-23-24           | CKS.95 | 690                 |
| <b>S.40U</b>                                                                      | 3/8-7/16-1/2-9/16-19/32-5/8-21/32 | CKS.97 | 465                 |
| <b>S.41U</b>                                                                      | 11/16-3/4-13/16-7/8-15/16-1"      | CKS.95 | 650                 |

▶ **Torx® sockets**  1/2"

## STX Torx® 1/2" sockets

- Drive  1/2".
- For Torx® fasteners.
- Manual use.
- Chrome finish.

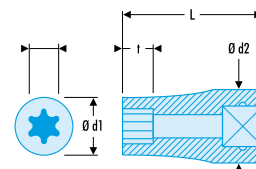
|  | Torx®<br>no. | I★<br>A mm | Ø d1<br>mm | Ø d2<br>mm | t<br>mm | L<br>mm | $\Delta\Delta$<br>g |
|-----------------------------------------------------------------------------------|--------------|------------|------------|------------|---------|---------|---------------------|
| <b>STX.12</b>                                                                     | E12          | 10,95      | 15,0       | 21         | 8,0     | 37      | 47                  |
| <b>STX.14</b>                                                                     | E14          | 12,67      | 16,3       | 21         | 8,8     | 37      | 47                  |
| <b>STX.16</b>                                                                     | E16          | 14,70      | 18,8       | 22         | 9,6     | 37      | 57                  |
| <b>STX.18</b>                                                                     | E18          | 16,38      | 20,4       | 22         | 11,1    | 37      | 57                  |
| <b>STX.20</b>                                                                     | E20          | 18,16      | 22,9       | 22         | 12,7    | 37      | 63                  |
| <b>STX.24</b>                                                                     | E24          | 21,84      | 26,5       | 22         | 16,1    | 37      | 97                  |



## GSX Torx® 1/2" machine sockets

- Drive  1/2".
- For Torx® fasteners.
- Machine use

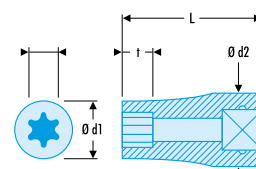
|  | Torx®<br>no. | I★<br>A mm | Ø d1<br>mm | Ø d2<br>mm | t<br>mm | L<br>mm | $\Delta\Delta$<br>g |
|-------------------------------------------------------------------------------------|--------------|------------|------------|------------|---------|---------|---------------------|
| <b>GSX.10</b>                                                                       | E10          | 9,19       | 13,0       | 25         | 6,35    | 38      | 61                  |
| <b>GSX.12</b>                                                                       | E12          | 10,95      | 14,4       | 25         | 7,90    | 38      | 62                  |
| <b>GSX.14</b>                                                                       | E14          | 12,67      | 17,0       | 25         | 8,70    | 38      | 66                  |
| <b>GSX.16</b>                                                                       | E16          | 14,70      | 20,0       | 25         | 9,50    | 38      | 74                  |
| <b>GSX.18</b>                                                                       | E18          | 16,38      | 21,5       | 25         | 11,10   | 38      | 75                  |
| <b>GSX.20</b>                                                                       | E20          | 18,16      | 25,0       | 30         | 12,70   | 38      | 119                 |
| <b>GSX.24</b>                                                                       | E24          | 21,84      | 30,0       | 30         | 15,90   | 38      | 136                 |



## Torx® 1/2" socket sets

- Sockets supplied on a rack.

|  | Dimensions<br>Torx®               |  | Rack   | $\Delta\Delta$<br>g |
|-------------------------------------------------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------------|--------|---------------------|
| <b>STX.40</b>                                                                       | 5 E12 - E14 - E16 - E18 - E20     | 1/2                                                                                 | CKS.90 | 320                 |
| <b>RSX.J6</b>                                                                       | 6 E6 - E8 - E10 - E12 - E14 - E16 | 1/2-1/4                                                                             | CKS.98 | 205                 |



## ► Bit sockets 1/2"

### STM 1/2" drive metric hexagon bit sockets

- For hexagon socket heads.
- Non-removable bits.

|  | S     | D    | I  | L  | ΔΔ  |
|----------------------------------------------------------------------------------|-------|------|----|----|-----|
| mm                                                                               | mm    | mm   | mm | mm | g   |
| <b>STM.4</b>                                                                     | 4,00  | 22,8 | 24 | 60 | 59  |
| <b>STM.5</b>                                                                     | 5,00  | 22,8 | 24 | 60 | 60  |
| <b>STM.6</b>                                                                     | 6,00  | 22,8 | 24 | 60 | 62  |
| <b>STM.7</b>                                                                     | 7,00  | 22,8 | 24 | 60 | 64  |
| <b>STM.8</b>                                                                     | 8,00  | 22,8 | 24 | 60 | 65  |
| <b>STM.10</b>                                                                    | 10,00 | 22,8 | 24 | 60 | 80  |
| <b>STM.12</b>                                                                    | 12,00 | 23,1 | 24 | 60 | 102 |
| <b>STM.14</b>                                                                    | 14,00 | 23,1 | 24 | 60 | 127 |
| <b>STM.17</b>                                                                    | 17,00 | 23,4 | 24 | 60 | 152 |
| <b>STM.19</b>                                                                    | 19,00 | 23,4 | 24 | 60 | 162 |



### STM 1/2" drive inch hexagon bit sockets

- For hexagon socket heads.
- Removable bits.

|  | S    |       | Components                                                                        |                                                                                     | D  | I  | L  | ΔΔ  |
|-----------------------------------------------------------------------------------|------|-------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|----|----|-----|
|                                                                                   | "    | mm    |  |  | mm | mm | mm | g   |
| <b>ST.1/4</b>                                                                     | 1/4  | 6,35  | S.236                                                                             | EH.201/4                                                                            | 23 | 17 | 54 | 67  |
| <b>ST.5/16</b>                                                                    | 5/16 | 7,94  | S.236                                                                             | EH.205/16                                                                           | 23 | 17 | 54 | 67  |
| <b>ST.3/8</b>                                                                     | 3/8  | 9,52  | S.236                                                                             | EH.203/8                                                                            | 23 | 17 | 54 | 74  |
| <b>ST.7/16</b>                                                                    | 7/16 | 11,11 | S.237                                                                             | ENH.307/16                                                                          | 23 | 31 | 70 | 110 |
| <b>ST.1/2</b>                                                                     | 1/2  | 12,70 | S.237                                                                             | ENH.301/2                                                                           | 23 | 31 | 70 | 117 |
| <b>ST.9/16</b>                                                                    | 9/16 | 14,29 | S.237                                                                             | ENH.309/16                                                                          | 23 | 31 | 70 | 125 |
| <b>ST.5/8</b>                                                                     | 5/8  | 15,88 | S.237                                                                             | ENH.305/8                                                                           | 23 | 31 | 70 | 143 |
| <b>ST.3/4</b>                                                                     | 3/4  | 19,05 | S.237                                                                             | ENH.303/4                                                                           | 23 | 31 | 70 | 165 |



### Set of 1/2" drive metric hexagon bit sockets

#### STM.J9

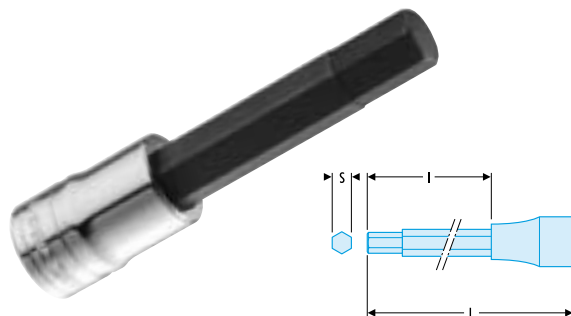
- Comprising : STM.5, STM.6, STM.7, STM.8, STM.10, STM.12, STM.14, STM.17, STM.19.
- Plastic case BP.102 : 204 x 122 x 52 mm.
- Tray PL.458.



### SHP 1/2" drive long-reach metric hexagon bit sockets

- Long-reach series.
- Non-removable bits.
- Square drive  1/2".

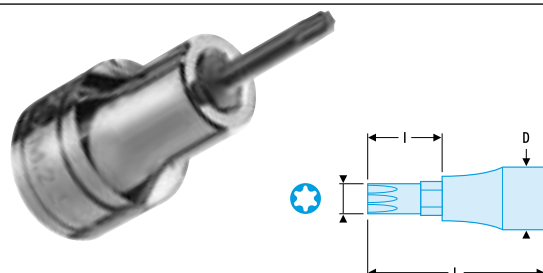
|  | S  | I   | L   | ΔΔ  |
|------------------------------------------------------------------------------------|----|-----|-----|-----|
| mm                                                                                 | mm | mm  | mm  | g   |
| <b>SHP.6LA</b>                                                                     | 6  | 64  | 100 | 77  |
| <b>SHP.7LA</b>                                                                     | 7  | 64  | 100 | 78  |
| <b>SHP.8LA</b>                                                                     | 8  | 64  | 100 | 79  |
| <b>SHP.10LA</b>                                                                    | 10 | 104 | 140 | 132 |
| <b>SHP.12LA</b>                                                                    | 12 | 64  | 100 | 144 |
| <b>SHP.5ELA</b>                                                                    | 5  | 144 | 180 | 112 |
| <b>SHP.6EL1A</b>                                                                   | 6  | 104 | 140 | 93  |
| <b>SHP.6EL2A</b>                                                                   | 6  | 184 | 220 | 127 |



### SXM 1/2" drive Torx® bit sockets

- Non-removable bits.

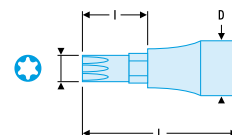
|  | Torx® | I★    | D    | I  | L  | ΔΔ  |
|------------------------------------------------------------------------------------|-------|-------|------|----|----|-----|
| no.                                                                                | A     | mm    | mm   | mm | mm | g   |
| <b>SXM.20</b>                                                                      | T20   | 3,84  | 22,8 | 24 | 60 | 58  |
| <b>SXM.25</b>                                                                      | T25   | 4,40  | 22,8 | 24 | 60 | 58  |
| <b>SXM.27</b>                                                                      | T27   | 4,96  | 22,8 | 24 | 60 | 59  |
| <b>SXM.30</b>                                                                      | T30   | 5,49  | 22,8 | 24 | 60 | 59  |
| <b>SXM.40</b>                                                                      | T40   | 6,60  | 22,8 | 24 | 60 | 62  |
| <b>SXM.45</b>                                                                      | T45   | 7,77  | 22,8 | 24 | 60 | 63  |
| <b>SXM.50</b>                                                                      | T50   | 8,79  | 22,8 | 24 | 60 | 74  |
| <b>SXM.55</b>                                                                      | T55   | 11,17 | 22,8 | 24 | 60 | 96  |
| <b>SXM.60</b>                                                                      | T60   | 13,17 | 23,1 | 24 | 60 | 117 |



**SX.LA 1/2" drive long-reach Torx® bit sockets**

- Non-removable bits.

|  | Torx®<br>no. | I★<br>A mm | D<br>mm | I<br>mm | L<br>mm | ΔΔ<br>g |
|-----------------------------------------------------------------------------------|--------------|------------|---------|---------|---------|---------|
| <b>SX.40LA</b>                                                                    | T40          | 6,60       | 22,8    | 84      | 120     | 95      |
| <b>SX.45LA</b>                                                                    | T45          | 7,77       | 22,8    | 84      | 120     | 95      |
| <b>SX.55LA</b>                                                                    | T55          | 11,17      | 22,8    | 104     | 140     | 220     |
| <b>SX.70LA</b>                                                                    | T70          | 15,49      | 23,1    | 104     | 140     | 280     |

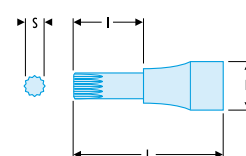
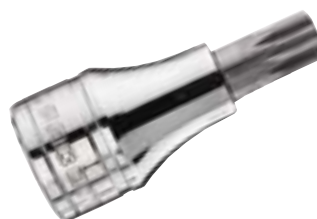
**Set of 1/2" drive Torx® bit sockets****AMEX.3**

- Comprising : SXM.20, SXM.25, SXM.27, SXM.30, SXM.40, SXM.45, SXM.50, SXM.55, SXM.60.
- Plastic case BP.102 : 204 x 122 x 52 mm.
- Tray PL.455.
- ΔΔ : 865 g.

**SV.B 1/2" drive XZN® spline bit sockets**

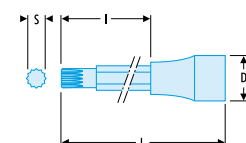
- Non-removable bits.

|  | Ø<br>Screw | D<br>mm | I<br>mm | L<br>mm | ΔΔ<br>g |
|-----------------------------------------------------------------------------------|------------|---------|---------|---------|---------|
| <b>SV.6B</b>                                                                      | M6         | 22,8    | 24      | 60      | 60      |
| <b>SV.8B</b>                                                                      | M8         | 22,8    | 24      | 60      | 60      |
| <b>SV.10B</b>                                                                     | M10        | 22,8    | 24      | 60      | 70      |
| <b>SV.12B</b>                                                                     | M12        | 22,8    | 24      | 60      | 80      |
| <b>SV.14B</b>                                                                     | M14        | 22,8    | 24      | 60      | 100     |
| <b>SV.16B</b>                                                                     | M16        | 23,1    | 24      | 60      | 110     |

**SV.LB 1/2" drive long-reach XZN® spline bit sockets**

- Non-removable bits.

|  | Ø<br>Screw | D<br>mm | I<br>mm | L<br>mm | ΔΔ<br>g |
|-------------------------------------------------------------------------------------|------------|---------|---------|---------|---------|
| <b>SV.6LB</b>                                                                       | M6         | 22,8    | 64      | 100     | 80      |
| <b>SV.8LB</b>                                                                       | M8         | 22,8    | 64      | 100     | 80      |
| <b>SV.10LB</b>                                                                      | M10        | 22,8    | 64      | 100     | 90      |
| <b>SV.10ELB</b>                                                                     | M10        | 22,8    | 120     | 120     | 110     |
| <b>SV.12LB</b>                                                                      | M12        | 22,8    | 64      | 100     | 120     |
| <b>SV.12ELB</b>                                                                     | M12        | 22,8    | 104     | 140     | 150     |
| <b>SV.14LB</b>                                                                      | M14        | 22,8    | 64      | 100     | 150     |

**Special  1/2" sockets for automotive applications**

*For details of our 1/2" special automotive sockets, see section 18.*

- Spark plug sockets
- Cylinder head sockets
- Injector sockets

**Rack sets of 1/2" drive bit sockets**

ST : for hexagon socket heads.

SX : for Torx® heads.

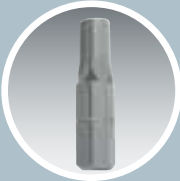
SV : for XZN® spline heads.

|  | Sizes                       | Rack   | ΔΔ<br>g |
|-------------------------------------------------------------------------------------|-----------------------------|--------|---------|
| <b>ST.40</b>                                                                        | STM 6-8-10-12-14-17-19      | CKS.97 | 830     |
| <b>ST.41</b>                                                                        | SHPLA 6-7-8-10-12           | CKS.90 | 610     |
| <b>SX.41</b>                                                                        | SXM 20-25-27-30-40-45-50-55 | CKS.95 | 640     |
| <b>SV.40A</b>                                                                       | SVA 6-8-10-12               | CKS.90 | 340     |
| <b>SV.41A</b>                                                                       | SVLB 8-10-12                | CKS.90 | 440     |






## Create your own bit sockets



**Bits**







Series 2  5/16"

Series 3  1/2"

See section 7 p. **351**



**Bit holders  1/2"**

 **S.236**

 5/16" 7,94 mm



 **S.237**

 1/2" 12,70 mm

## Set of 1/2" drive XZN® spline bit sockets

### SV.J8A

- Non-removable bits for high torques
- Comprising :  
Short-reach bits SV.6B, SV.8B, SV.10B, SV.12B.  
Long-reach bits SV.6LB, SV.8LB, SV.10LB, SV.12LB.
- Tray PL.247 : 220 x 136 x 28 mm.
- ΔΔ : 805 g.



## Set of 1/2" drive long reach XZN® spline bit sockets

### SV.LJ6A

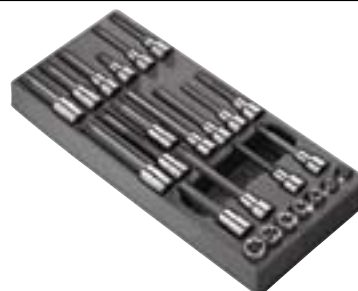
- Long-reach non-removable bits for high torques.
- Comprising :  
Long-reach bits SV.6LB, SV.8LB, SV.10LB, SV.12LB.  
Extra-long-reach bits SV.10ELB, SV.12ELA.
- Tray PL.258 : 170 x 170 x 34 mm.
- ΔΔ : 800 g.



## Cylinder head tightening and loosening tool module

### MOD.CH

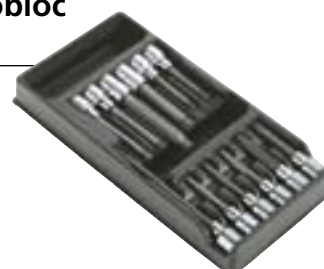
- Comprising :  
- D.34B7L, D.34B9L, D.34B10L, D.34B12L, D.34B14L, D.34B16L.  
- SV.6LB, SV.8LB, SV.14LB.  
- SV.10ELB, SV.12ELB.  
- JTX.8, JTX.10.  
- STX.12, STX.14, STX.16, STX.18, STX.20.  
- SX.55LA, SX.70LA.  
- SHP.6LA, SHP.8LA, SHP.10LA, SHP.12LA.



## 12-piece set of 1/2" square drive sockets with long-reach monobloc TORX®, XZN® and hexagon bits

### MOD.SHPPB

- Ideal for light vehicle cylinder heads.
- Tray PL.336.
- Dimensions : 420 x 180 x 55 mm.



|                |  |  |  | ΔΔ<br>kg |
|----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|
| <b>MOD.SHP</b> | 40 - 45 - 55 - 70                                                                   | 5 - 6 - 7 - 8                                                                       | 6 - 8 - 10 - 12                                                                     | 1,740    |





# Truck 3/4" range

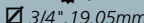
## ► Socket sets 3/4"

 3/4"

Metric socket sets

FACOM HELPS YOU WITH YOUR HEAVY MAINTENANCE TASKS

⇒ K.411 ⇒ K.441A ⇒ K.442E ⇒ K.437E  ⇒ K.436E ⇒ SK.453N ⇒ SK.452N 

|                 |                    | K.411                                                                                   | K.441A                                                                                  | K.442E                                                                                 | K.437E                                                                                  | K.436E                                                                                  | SK.453N                                                                                    |                                                                                            | SK.452N                                                                                    |                                                                                            |
|--------------------------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
|                 |                    | K.152                                                                                   | K.151B                                                                                  | K.151B                                                                                 | K.151B                                                                                  | K.151B                                                                                  | K.151B + S.151                                                                             |                                                                                            | K.151B + S.151                                                                             |                                                                                            |
|  3/4" .19,05mm |                    |  K.HB |  K.HB |  K.B |  K.HB |  K.B |  K.HB  |  S.H   |  K.B   |  S.    |
|               | 8                  |                                                                                         |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                            | •                                                                                          |                                                                                            | •                                                                                          |
|                                                                                                  | 9                  |                                                                                         |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                            | •                                                                                          |                                                                                            | •                                                                                          |
|                                                                                                  | 10                 |                                                                                         |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                            | •                                                                                          |                                                                                            | •                                                                                          |
|                                                                                                  | 11                 |                                                                                         |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                            | •                                                                                          |                                                                                            | •                                                                                          |
|                                                                                                  | 12                 |                                                                                         |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                            | •                                                                                          |                                                                                            | •                                                                                          |
|                                                                                                  | 13                 |                                                                                         |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                            | •                                                                                          |                                                                                            | •                                                                                          |
|                                                                                                  | 14                 |                                                                                         |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                            | •                                                                                          |                                                                                            | •                                                                                          |
|                                                                                                  | 15                 |                                                                                         |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                            | •                                                                                          |                                                                                            | •                                                                                          |
|                                                                                                  | 16                 |                                                                                         |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                            | •                                                                                          |                                                                                            | •                                                                                          |
|                                                                                                  | 17                 |                                                                                         |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                            | •                                                                                          |                                                                                            | •                                                                                          |
|                                                                                                  | 18                 |                                                                                         |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                            | •                                                                                          |                                                                                            | •                                                                                          |
|                                                                                                  | 19                 | •                                                                                       | •                                                                                       | •                                                                                      | •                                                                                       | •                                                                                       |                                                                                            | •                                                                                          | •                                                                                          | •                                                                                          |
|                                                                                                  | 21                 | •                                                                                       | •                                                                                       | •                                                                                      | •                                                                                       | •                                                                                       |  3/4" | •                                                                                          |  3/4" | •                                                                                          |
|                                                                                                  | 22                 | •                                                                                       | •                                                                                       | •                                                                                      | •                                                                                       | •                                                                                       | •                                                                                          | •                                                                                          | •                                                                                          | •                                                                                          |
|                                                                                                  | 23                 |                                                                                         | •                                                                                       | •                                                                                      | •                                                                                       | •                                                                                       | •                                                                                          | •                                                                                          | •                                                                                          | •                                                                                          |
|                                                                                                  | 24                 | •                                                                                       | •                                                                                       | •                                                                                      | •                                                                                       | •                                                                                       | •                                                                                          | •                                                                                          | •                                                                                          | •                                                                                          |
|                                                                                                  | 26                 |                                                                                         |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                            | •                                                                                          |                                                                                            | •                                                                                          |
|                                                                                                  | 27                 | •                                                                                       | •                                                                                       | •                                                                                      | •                                                                                       | •                                                                                       | •                                                                                          | •                                                                                          | •                                                                                          | •                                                                                          |
|                                                                                                  | 28                 |                                                                                         |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                            | •                                                                                          |                                                                                            | •                                                                                          |
|                                                                                                  | 29                 |                                                                                         |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                            | •                                                                                          |                                                                                            | •                                                                                          |
|                                                                                                  | 30                 | •                                                                                       | •                                                                                       | •                                                                                      | •                                                                                       | •                                                                                       | •                                                                                          | •                                                                                          | •                                                                                          | •                                                                                          |
|                                                                                                  | 32                 | •                                                                                       | •                                                                                       | •                                                                                      | •                                                                                       | •                                                                                       | •                                                                                          | •                                                                                          | •                                                                                          | •                                                                                          |
|                                                                                                  | 34                 | •                                                                                       | •                                                                                       | •                                                                                      | •                                                                                       | •                                                                                       | •                                                                                          |  1/2" | •                                                                                          |  1/2" |
|                                                                                                  | 36                 | •                                                                                       | •                                                                                       | •                                                                                      | •                                                                                       | •                                                                                       | •                                                                                          |                                                                                            | •                                                                                          |                                                                                            |
|                                                                                                  | 38                 |                                                                                         | •                                                                                       | •                                                                                      |                                                                                         |                                                                                         |                                                                                            |                                                                                            |                                                                                            |                                                                                            |
|                                                                                                  | 41                 | •                                                                                       | •                                                                                       | •                                                                                      | •                                                                                       | •                                                                                       | •                                                                                          |                                                                                            | •                                                                                          |                                                                                            |
|                                                                                                  | 42                 |                                                                                         |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                            |                                                                                            |                                                                                            |                                                                                            |
|                                                                                                  | 46                 | •                                                                                       | •                                                                                       | •                                                                                      | •                                                                                       | •                                                                                       | •                                                                                          |                                                                                            | •                                                                                          |                                                                                            |
|                                                                                                  | 50                 | •                                                                                       | •                                                                                       | •                                                                                      | •                                                                                       | •                                                                                       | •                                                                                          |                                                                                            | •                                                                                          |                                                                                            |
|                                                                                                  | 54                 |                                                                                         |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                            |                                                                                            |                                                                                            |                                                                                            |
|                                                                                                  | 55                 | •                                                                                       | •                                                                                       | •                                                                                      | •                                                                                       | •                                                                                       |                                                                                            |                                                                                            |                                                                                            |                                                                                            |
|               | K.210B             | •                                                                                       | •                                                                                       | •                                                                                      | •                                                                                       | •                                                                                       | •                                                                                          |                                                                                            | •                                                                                          |                                                                                            |
|                                                                                                  | K.215B             | •                                                                                       | •                                                                                       | •                                                                                      | •                                                                                       | •                                                                                       | •                                                                                          |                                                                                            | •                                                                                          |                                                                                            |
|                                                                                                  | K.120B             | •                                                                                       | •                                                                                       | •                                                                                      | •                                                                                       | •                                                                                       | •                                                                                          |                                                                                            | •                                                                                          |                                                                                            |
|                                                                                                  | K.240A             |                                                                                         | •                                                                                       | •                                                                                      |                                                                                         |                                                                                         |                                                                                            |                                                                                            |                                                                                            |                                                                                            |
|                                                                                                  | K.140A             |                                                                                         | •                                                                                       | •                                                                                      |                                                                                         |                                                                                         |                                                                                            |                                                                                            |                                                                                            |                                                                                            |
|                                                                                                  | K.125A             |                                                                                         | •                                                                                       | •                                                                                      |                                                                                         |                                                                                         |                                                                                            |                                                                                            |                                                                                            |                                                                                            |
|                                                                                                  | S.210              |                                                                                         |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                            | •                                                                                          |                                                                                            | •                                                                                          |
|               | S.215              |                                                                                         |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                            | •                                                                                          |                                                                                            | •                                                                                          |
|                                                                                                  | S.120A             |                                                                                         |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                            | •                                                                                          |                                                                                            | •                                                                                          |
|                                                                                                  | S.240A             |                                                                                         |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                            | •                                                                                          |                                                                                            | •                                                                                          |
|                                                                                                  | S.110              |                                                                                         |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                            | •                                                                                          |                                                                                            | •                                                                                          |
|               | PL.438             |                                                                                         | C.K422CA + 2 x C.K422EA                                                                 |                                                                                        | PL.87A                                                                                  |                                                                                         | P.21                                                                                       |                                                                                            |                                                                                            |                                                                                            |
|                                                                                                  | BT.103G            |                                                                                         | BT.6A                                                                                   |                                                                                        | BT.103G                                                                                 |                                                                                         | BT.6A                                                                                      |                                                                                            |                                                                                            |                                                                                            |
|                                                                                                  | 643 x 230 x 111 mm |                                                                                         | 468 x 190 x 160 mm                                                                      |                                                                                        | 643 x 230 x 111 mm                                                                      |                                                                                         | 468 x 190 x 160 mm                                                                         |                                                                                            |                                                                                            |                                                                                            |
|                                                                                                  |                    | 15,20 kg                                                                                | 17,00 kg                                                                                | 17,00 kg                                                                               | 15,50 kg                                                                                | 15,50 kg                                                                                | 17,20 kg                                                                                   |                                                                                            | 17,20 kg                                                                                   |                                                                                            |

 3/4"

Metric socket sets



**FARMING EQUIPMENT  
MAINTENANCE**



**INDUSTRIAL  
MAINTENANCE**



**HGV MAINTENANCE**

 **K.421N**   
 **K.420N** 



 **K.433E**   
 **K.432E** 

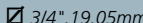


 **MOD.K2** 



 **MOD.K1** 



|  |        | <b>K.421N</b>                                                                       | <b>K.420N</b>                                                                       | <b>K.433E</b>                                                                       | <b>K.432E</b>                                                                       | <b>MOD.K2</b>                                                                       | <b>MOD.K1</b>                                                                       |
|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |        | K.151B                                                                              | K.151B                                                                              | K.151B                                                                              | K.151B                                                                              | K.152                                                                               | K.151B                                                                              |
|  |        |  |  |  |  |  |  |
|  |        | K.HB                                                                                | K.B                                                                                 | K.HB                                                                                | K.B                                                                                 | K.HB                                                                                | K.HB                                                                                |
|  | 22     | •                                                                                   | •                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                                                     | 23     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                                                     | 24     | •                                                                                   | •                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                                                     | 27     | •                                                                                   | •                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                                                     | 30     | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   |                                                                                     |                                                                                     |
|                                                                                     | 32     | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   |                                                                                     |                                                                                     |
|                                                                                     | 33     |                                                                                     |                                                                                     | •                                                                                   | •                                                                                   |                                                                                     |                                                                                     |
|                                                                                     | 34     | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   |
|                                                                                     | 36     | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   |
|                                                                                     | 38     |                                                                                     |                                                                                     | •                                                                                   | •                                                                                   |                                                                                     |                                                                                     |
|                                                                                     | 41     | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   |
|                                                                                     | 42     |                                                                                     |                                                                                     | •                                                                                   | •                                                                                   |                                                                                     |                                                                                     |
|                                                                                     | 46     | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   |
|                                                                                     | 50     | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   |
|                                                                                     | 54     |                                                                                     |                                                                                     | •                                                                                   | •                                                                                   |                                                                                     |                                                                                     |
|                                                                                     | 55     |                                                                                     |                                                                                     | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   |
|  | K.210B | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   |
|  | K.215B | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   |                                                                                     |                                                                                     |
|  | K.120B | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   |                                                                                     | •                                                                                   |
|  | K.240A |                                                                                     |                                                                                     |                                                                                     |                                                                                     | •                                                                                   |                                                                                     |
|  | K.140A |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|  | K.125A |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|  | K.230B |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | •                                                                                   |
|  |        | PL.42                                                                               |                                                                                     | PL.40                                                                               |                                                                                     | PL.662                                                                              | PL.324                                                                              |
|  |        | BT.103G                                                                             |                                                                                     | BT.103G                                                                             |                                                                                     | -                                                                                   | -                                                                                   |
|  |        | 643 x 230 x 111 mm                                                                  |                                                                                     | 643 x 230 x 111 mm                                                                  |                                                                                     | 420 x 190 x 65 mm                                                                   | 420 x 355 x 65 mm                                                                   |
|  |        | 12,90 kg                                                                            | 12,90 kg                                                                            | 16,30 kg                                                                            | 16,30 kg                                                                            | 7,46 kg                                                                             | 8,29 kg                                                                             |

 3/4"

Inch and long-reach metric socket sets

 K.442U  SK.452U  K.415E  K.405E 

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       | K.442U                                                                            | SK.452U                                                                                     |                                                                                             | K.415E                                                                              | K.405E                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       | K.151B                                                                            | K.151B + S.151                                                                              |                                                                                             | K.151B                                                                              | -                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |  |          |          |  |  |
|  3/4" .19,05mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                       | K.B                                                                               | K.B                                                                                         | S.                                                                                          | K.LA                                                                                | K.LA                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 22                    |                                                                                   |                                                                                             |                                                                                             | •                                                                                   | •                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 23                    |                                                                                   |                                                                                             |                                                                                             | •                                                                                   | •                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 24                    |                                                                                   |                                                                                             |                                                                                             | •                                                                                   | •                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 26                    |                                                                                   |                                                                                             |                                                                                             | •                                                                                   | •                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 27                    |                                                                                   |                                                                                             |                                                                                             | •                                                                                   | •                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 29                    |                                                                                   |                                                                                             |                                                                                             | •                                                                                   | •                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 30                    |                                                                                   |                                                                                             |                                                                                             | •                                                                                   | •                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 32                    |                                                                                   |                                                                                             |                                                                                             | •                                                                                   | •                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 34                    |                                                                                   |                                                                                             |                                                                                             | •                                                                                   | •                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 36                    |                                                                                   |                                                                                             |                                                                                             | •                                                                                   | •                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 38                    |                                                                                   |                                                                                             |                                                                                             | •                                                                                   | •                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 41                    |                                                                                   |                                                                                             |                                                                                             | •                                                                                   | •                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 42                    |                                                                                   |                                                                                             |                                                                                             | •                                                                                   | •                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                       |                                                                                   |                                                                                             |                                                                                             |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3/8                   |                                                                                   |                                                                                             | •                                                                                           |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 7/16                  |                                                                                   |                                                                                             | •                                                                                           |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1/2                   |                                                                                   |                                                                                             | •                                                                                           |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 9/16                  |                                                                                   |                                                                                             | •                                                                                           |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 19/32                 |                                                                                   |                                                                                             | •                                                                                           |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5/8                   |                                                                                   |                                                                                             | •                                                                                           |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 21/32                 |                                                                                   |                                                                                             | •                                                                                           |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 11/16                 |                                                                                   |                                                                                             | •                                                                                           |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3/4                   |                                                                                   |                                                                                             | •                                                                                           |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 25/32                 |                                                                                   |                                                                                             | •                                                                                           |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 13/16                 |                                                                                   |                                                                                             | •                                                                                           |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3/4                   | •                                                                                 |                                                                                             |                                                                                             |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 7/8                   | •                                                                                 |                                                                                             | •                                                                                           |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 15/16                 | •                                                                                 |                                                                                             | •                                                                                           |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 31/32                 |                                                                                   |                                                                                             | •                                                                                           |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1                     | •                                                                                 |  .3/4" | •                                                                                           |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1'1/16                | •                                                                                 | •                                                                                           | •                                                                                           |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1'1/8                 | •                                                                                 | •                                                                                           | •                                                                                           |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1'1/4                 | •                                                                                 | •                                                                                           | •                                                                                           |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1'5/16                | •                                                                                 |                                                                                             |  .1/2" |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1'3/8                 | •                                                                                 | •                                                                                           |                                                                                             |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1'7/16                | •                                                                                 | •                                                                                           |                                                                                             |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1'1/2                 | •                                                                                 | •                                                                                           |                                                                                             |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1'5/8                 | •                                                                                 | •                                                                                           |                                                                                             |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1'11/16               | •                                                                                 |                                                                                             |                                                                                             |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1'3/4                 | •                                                                                 |                                                                                             |                                                                                             |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1'13/16               | •                                                                                 | •                                                                                           |                                                                                             |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1'7/8                 | •                                                                                 |                                                                                             |                                                                                             |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2'                    | •                                                                                 | •                                                                                           |                                                                                             |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2'1/8                 | •                                                                                 |                                                                                             |                                                                                             |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2'3/16                | •                                                                                 |                                                                                             |                                                                                             |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2'1/4                 | •                                                                                 |                                                                                             |                                                                                             |                                                                                     |                                                                                     |
| <br><br><br><br><br><br><br><br> | K.210B                | •                                                                                 | •                                                                                           |                                                                                             | •                                                                                   |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | K.215B                | •                                                                                 | •                                                                                           |                                                                                             | •                                                                                   |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | K.120B                | •                                                                                 | •                                                                                           |                                                                                             | •                                                                                   |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | K.240A                | •                                                                                 |                                                                                             |                                                                                             |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | K.140A                | •                                                                                 |                                                                                             |                                                                                             |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | K.125A                | •                                                                                 |                                                                                             |                                                                                             |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | S.210                 |                                                                                   |                                                                                             | •                                                                                           |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | S.215                 |                                                                                   |                                                                                             | •                                                                                           |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | S.120A                |                                                                                   |                                                                                             | •                                                                                           |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | S.240A                |                                                                                   |                                                                                             | •                                                                                           |                                                                                     |                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | S.110                 |                                                                                   |                                                                                             | •                                                                                           |                                                                                     |                                                                                     |
| <br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                     |                                                                                   | PL.22                                                                                       |                                                                                             | PL.43                                                                               | PL.60A                                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | BT.6A                 |                                                                                   | BT.6A                                                                                       |                                                                                             | BT.103G                                                                             | BT.111                                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 468 x 190<br>x 160 mm |                                                                                   | 468 x 190 x 160 mm                                                                          |                                                                                             | 643 x 230<br>x 111 mm                                                               | 396 x 224<br>x 82 mm                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 22,1 kg               |                                                                                   | 16,2 kg                                                                                     |                                                                                             | 16,27 kg                                                                            | 9,30 kg                                                                             |

**K.152**

## Compact and precise ratchet 3/4"

**25 % MORE COMPACT  
FOR CONFINED SPACES !**



### ERGONOMIC

- Ergonomic handle providing 2-handed grip for high torques.

### PERFORMANCE

- Precise : 72 tooth mechanism, 5° increments.
- Powerful and strong : 17 teeth in mesh during torquing.
- Monobloc ratchet : lighter and more manoeuvrable.
- Confined spaces : head 25% more compact than traditional ratchets.

### SAFETY FIRST

- Plunger lock ratchet/sockets/accessories.



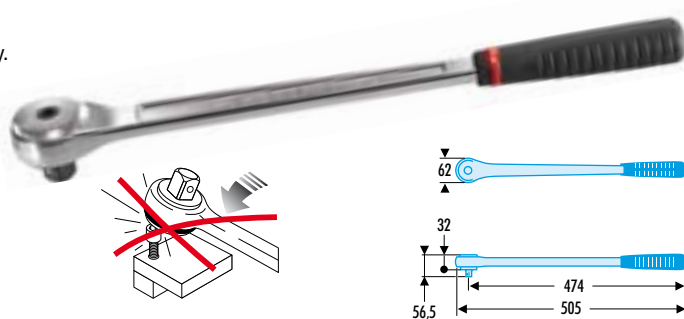
## Compact 3/4" drive ratchet

### K.152

▷ Performance : to ISO 3315, DIN 3122, NF ISO 3315.

- Very lightweight monobloc ratchet for increased manoeuvrability.
- Compact head.
- Ergonomic handle providing 2-handed grip.
- 5° increments (only 1/72 of a turn).
- High-power from 17 teeth in mesh when torque is applied.
- Plunger safety lock.
- Chrome finish.

ΔΔ : 1.67 kg.



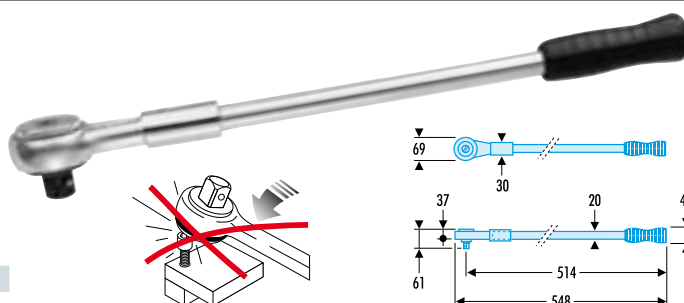
## 3/4" drive ratchet with removable handle

### K.154B

▷ Performance : to ISO 3315, DIN 3122, NF ISO 3315.

- 5° increments (only 1/72 of a turn).
- High-power from 17 teeth in mesh when torque is applied.
- Plunger safety lock.
- Chrome finish.

ΔΔ : 2.4 kg.



**K.154AM**

Description  
Handle for K.154B



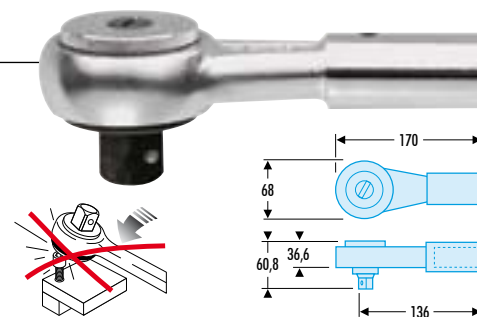
## 3/4" drive ratchet without handle

**K.151B**

▷ Performance : to ISO 3315, DIN 3122, NF ISO 3315.

- 5° increments (only 1/72 of a turn).
- High-power from 17 teeth in mesh when torque is applied.
- For use with bars K.125 or K.126 and handle K.154AM.
- Plunger safety lock.
- Chrome finish.

ΔΔ : 1.2 kg.

**K.149****Ratchet  3/4" for heavy maintenance****A HEAVY-DUTY RATCHET SUITABLE FOR ANY JOB AND ANY SITUATION !****COMFORT OF USE**

- Ergonomic reverse lever for easy inversion even when wearing gloves.
- Recessed reversing lever : avoids accidental change of direction.
- Removable handle.

**PERFORMANCE**

- Sturdy : 40 tooth mechanism. 9° increments.
- "Parking meter" head limits the entry of foreign matter into the mechanism.

**SAFETY FIRST**

- Plunger lock ratchet/sockets/accessories.



Heavy industry



Farming machinery



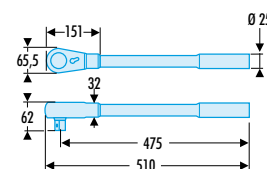
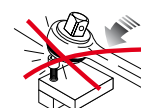
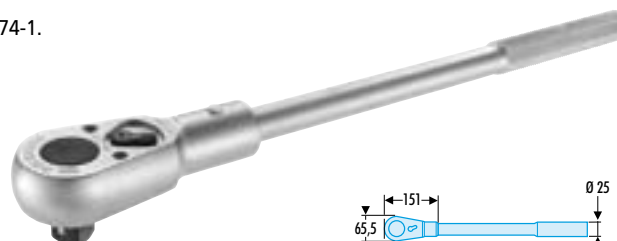
Heavy goods vehicles

**New****3/4" drive "Site" ratchet****K.149**

▷ Performance : to ISO 3315, DIN 3122, NF ISO 3315, NF ISO 1174-1.

- Suitable for outdoor working.
- Sturdy mechanism protected against dirt.
- Recessed reversing switch :
- 9° increments.
- Removable handle.
- Length 510 mm.
- 40 tooth mechanism.
- Plunger safety lock.
- Matt chrome finish.

ΔΔ : 2.85 kg.

**K.149RN**

Description

Repair kit

**K.149M**

Handle for ratchet K.149



## Maintenance of 3/4" drive ratchets

- Ratchet maintenance is straightforward :  
For continued serviceability, simply clean and replace worn parts periodically.

|  |                        | K.150 | K.150A | K.151 | K.151A | K.151B | K.152 | K.154A | K.154B | K.149 |
|-----------------------------------------------------------------------------------|------------------------|-------|--------|-------|--------|--------|-------|--------|--------|-------|
|  | <b>Knurl caps</b>      |       |        |       |        |        |       |        |        |       |
|                                                                                   | K.152C                 |       |        |       |        |        | •     |        |        |       |
|                                                                                   | M.151C                 |       |        | •     |        |        |       |        |        |       |
|  | <b>Spare parts kit</b> |       |        |       |        |        |       |        |        |       |
|                                                                                   | K.151RN                |       |        | •     | •      | •      |       | •      | •      |       |
|                                                                                   | S.152RN                |       |        |       |        |        | •     |        |        |       |
|  | <b>Square drives</b>   |       |        |       |        |        |       |        |        |       |
|                                                                                   | K.152R                 |       |        |       |        |        | •     |        |        |       |
|                                                                                   | K.150R                 | •     |        |       |        |        |       |        |        |       |
|  | <b>Repair kit</b>      |       |        |       |        |        |       |        |        |       |
|                                                                                   | K.150AR                |       | •      |       |        |        |       | •      | •      |       |
|                                                                                   | K.151AR                |       |        |       | •      | •      |       |        |        |       |
|                                                                                   | K.149RN                |       |        |       |        |        |       |        |        | •     |

## ► Accessories 3/4"

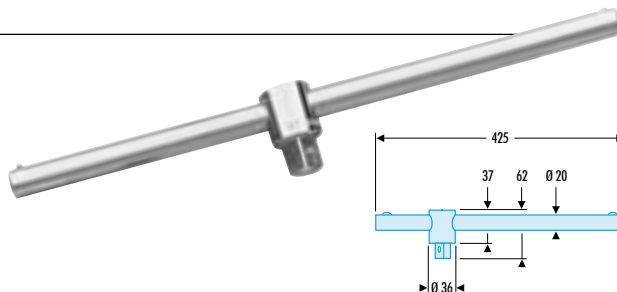
### 3/4" drive sliding tee

#### K.120B

► Performance : to ISO 3315, DIN 3122, NF ISO 3315.

- Ball-steadied head.
- T or L-handle.
- Chrome finish.

ΔΔ : 1.3 kg.

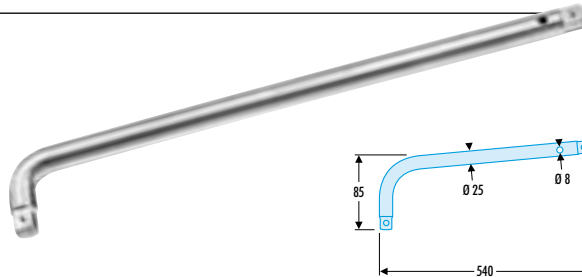


### 3/4" drive angle bar

#### K.130A

- Takes 3/4" socket on either end :  
- Short end for high torques  
- Long end for pre-tightening or in recesses.
- Chrome finish.

ΔΔ : 2.3 kg.



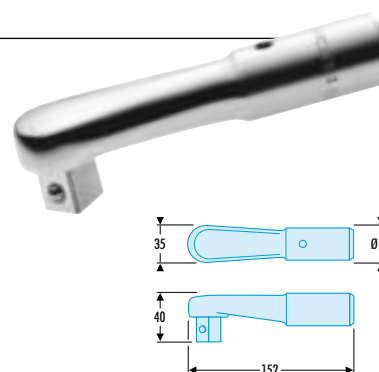
### 3/4" drive fixed adaptor

#### K.200E

► Performance : to ISO 3315, DIN 3122, NF ISO 3315.

- For use with bars K.125 and K.126.
- Chrome finish.

ΔΔ : 630 g.

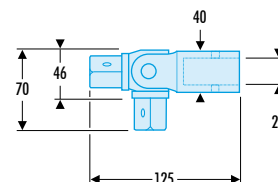


**3/4" drive hinged adaptor****K.140A**

▷ Performance : to ISO 3315, NF ISO 3315.

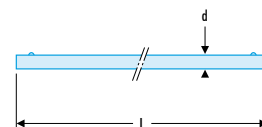
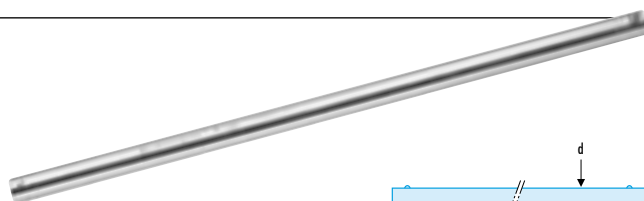
- For use with bars K.125 and K.126.
- Fastener rotation from any angle.
- Spring-steadied in any position.
- Chrome finish.

ΔΔ : 760 g.

**K 3/4" drive bars**

- Extended handles for ratchet K.151A and adaptors K.140A and K.200E.

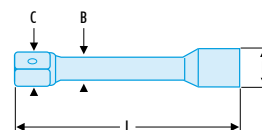
|  | d<br>mm | L<br>mm | ΔΔ<br>kg |
|-----------------------------------------------------------------------------------|---------|---------|----------|
| <b>K.125A</b>                                                                     | 20      | 425     | 1,04     |
| <b>K.126A</b>                                                                     | 20      | 500     | 1,22     |

**K.B 3/4" drive extensions**

▷ Performance : to ISO 3316, DIN 3123, NF ISO 3316.

- Chrome finish.

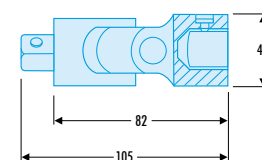
|  | B<br>mm | C<br>mm | D<br>mm | L<br>mm | ΔΔ<br>g |
|-------------------------------------------------------------------------------------|---------|---------|---------|---------|---------|
| <b>K.208B</b>                                                                       | 25      | 25      | 36      | 100     | 410     |
| <b>K.210B</b>                                                                       | 20      | 25      | 36      | 200     | 620     |
| <b>K.215B</b>                                                                       | 20      | 25      | 36      | 400     | 1130    |

**3/4" universal joint****K.240A**

▷ Performance : to ISO 3316, DIN 3123, NF ISO 3316.

- Spring-stiffened joints.
- Stays in position when reaching for fasteners.
- Significant time savings.
- Chrome finish.

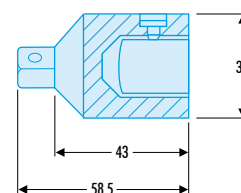
ΔΔ : 550 g.

**3/4" to 1/2" coupler****K.230B**

▷ Performance : to ISO 3316, DIN 3123, NF ISO 3316.

- For adapting sockets and accessories  1/2".
- Interchangeable 1/2" male square ref. K.230B1.
- Max. torque 512 N.m.
- Chrome finish, phosphate square.

ΔΔ : 250 g.



## Interchangeable 1/2" male drive

### K.230B1

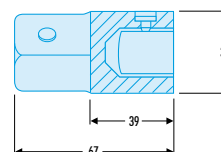
- Interchangeable 1/2" male drive for  3/4" to  1/2" coupler reference K.230B



## 3/4" to 1" coupler

### K.232A

- ▷ Performance : to ISO 3316, DIN 3123, NF ISO 3316.
- For adapting sockets and accessories  1".
- Chrome finish.
- ΔΔ : 340 g.



## ► Sockets 3/4" OGV®

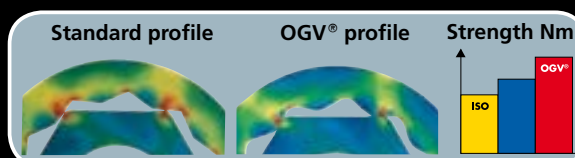


### Facom OGV® profile

#### HIGHER TORQUE WITHOUT DAMAGING THE FASTENER !

The OGV® profile is achieved by a succession of curves instead of the flats found in conventional sockets®.

- **More powerful tightening :**  
Larger contact area between socket and fastener minimises stress.
- **Less wear :**  
Torque is transmitted through the fastener flats instead of the corners.
- **Increased durability :**  
Stress concentration in the corners is eliminated.



#### TAG socket inserts

- Immediately identify your sockets.
- 6- or 12 point sockets.

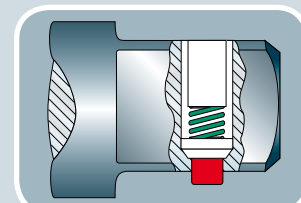
 TAG



## 3/4" - 1" Locking sockets and accessories

#### SAFETY AND COMFORT

- Lock system prevents accidental socket loss during use.
- Quick release simply by pressing the plunger.
- Compatible with standard ball-lock tools.

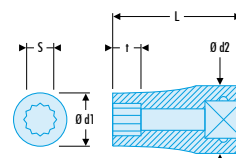




## K.B 3/4" drive metric 6 and 12-point OGV® sockets

▷ Performance : to ISO 2725-1, DIN 3124, NF ISO 2725-1.

- OGV® profile.
- Secure attachment of plunger lock accessories.
- Quick release button.
- Chrome finish.



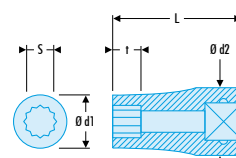
|  |  | S  | Ø d1 | Ø d2 | t  | L    | ΔΔ  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----|------|------|----|------|-----|
|                                                                                   |                                                                                   | mm | mm   | mm   | mm | mm   | g   |
| K.19HB                                                                            | K.19B                                                                             | 19 | 29,9 | 36   | 14 | 49   | 207 |
| K.21HB                                                                            | K.21B                                                                             | 21 | 31,9 | 36   | 14 | 49   | 208 |
| K.22HB                                                                            | K.22B                                                                             | 22 | 33,4 | 36   | 14 | 51   | 221 |
| K.23HB                                                                            | K.23B                                                                             | 23 | 35,7 | 36   | 14 | 52,5 | 244 |
| K.24HB                                                                            | K.24B                                                                             | 24 | 35,7 | 36   | 16 | 52,5 | 237 |
| K.26HB                                                                            | K.26B                                                                             | 26 | 38,7 | 36   | 16 | 52,5 | 231 |
| K.27HB                                                                            | K.27B                                                                             | 27 | 39,5 | 36   | 18 | 52,5 | 232 |
| K.28HB                                                                            | K.28B                                                                             | 28 | 40,8 | 36   | 18 | 52,5 | 239 |
| K.29HB                                                                            | K.29B                                                                             | 29 | 42   | 36   | 18 | 52,5 | 245 |
| K.30HB                                                                            | K.30B                                                                             | 30 | 43,2 | 36   | 20 | 59   | 282 |
| K.32HB                                                                            | K.32B                                                                             | 32 | 45,7 | 36   | 22 | 59   | 301 |
| K.33HB                                                                            | K.33B                                                                             | 33 | 47,9 | 36   | 22 | 59   | 330 |

|  |  | S  | Ø d1 | Ø d2 | t  | L    | ΔΔ  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----|------|------|----|------|-----|
|                                                                                   |                                                                                   | mm | mm   | mm   | mm | mm   | g   |
| K.34HB                                                                            | K.34B                                                                             | 34 | 48,2 | 36   | 24 | 59   | 322 |
| K.35HB                                                                            | K.35B                                                                             | 35 | 49,9 | 36   | 24 | 59   | 344 |
| K.36HB                                                                            | K.36B                                                                             | 36 | 50,7 | 36   | 24 | 59   | 347 |
| K.38HB                                                                            | K.38B                                                                             | 38 | 54   | 40   | 27 | 66,9 | 478 |
| K.40HB                                                                            | K.40B                                                                             | 40 | 55,9 | 40   | 27 | 66,9 | 493 |
| K.41HB                                                                            | K.41B                                                                             | 41 | 57   | 40   | 27 | 66,9 | 504 |
| K.42HB                                                                            | K.42B                                                                             | 42 | 59,4 | 40   | 27 | 66,9 | 552 |
| K.44HB                                                                            | K.44B                                                                             | 44 | 61,9 | 40   | 28 | 66,9 | 587 |
| K.46HB                                                                            | K.46B                                                                             | 46 | 63,2 | 40   | 30 | 75   | 641 |
| K.50HB                                                                            | K.50B                                                                             | 50 | 68,2 | 40   | 33 | 75   | 725 |
| K.54HB                                                                            | K.54B                                                                             | 54 | 73,9 | 45   | 36 | 75   | 880 |
| K.55HB                                                                            | K.55B                                                                             | 55 | 74,5 | 45   | 36 | 75   | 875 |

## K.B 3/4" drive inch 12-point OGV® sockets

▷ Performance : to GGG.W.641E, ANSI B 107.1, ASME B 107.1.

- OGV® profile.
- Secure attachment of plunger lock accessories.
- Quick release button.
- Chrome finish.



|  | S        | S     | Ø d1 | Ø d2 | t  | L    | ΔΔ  |
|-------------------------------------------------------------------------------------|----------|-------|------|------|----|------|-----|
|                                                                                     | "        | mm    | mm   | mm   | mm | mm   | g   |
| K.3/4B                                                                              | 3/4      | 19,05 | 29,9 | 36   | 14 | 49   | 207 |
| K.7/8B                                                                              | 3/4      | 22,23 | 33,4 | 36   | 14 | 51   | 220 |
| K.15/16B                                                                            | 15/16    | 23,81 | 35,7 | 36   | 14 | 51   | 233 |
| K.1"B                                                                               | 1"       | 25,40 | 37,7 | 36   | 14 | 52,5 | 250 |
| K.1 1/16B                                                                           | 1 1/16"  | 26,99 | 39,5 | 36   | 18 | 52,5 | 232 |
| K.1 1/8B                                                                            | 1 1/8"   | 28,58 | 41,4 | 36   | 18 | 52,5 | 241 |
| K.1 1/4B                                                                            | 1 1/4"   | 30,16 | 43,2 | 36   | 20 | 59   | 280 |
| K.1 1/2B                                                                            | 1 1/2"   | 31,75 | 45,7 | 36   | 22 | 59   | 304 |
| K.1 3/4B                                                                            | 1 3/4"   | 33,34 | 47,9 | 36   | 22 | 59   | 326 |
| K.1 7/8B                                                                            | 1 7/8"   | 34,93 | 49,9 | 36   | 24 | 59   | 343 |
| K.1 15/16B                                                                          | 1 15/16" | 36,51 | 50,7 | 36   | 24 | 59   | 339 |

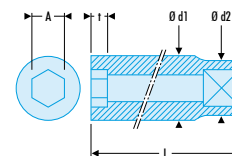
|  | S        | S     | Ø d1 | Ø d2 | t  | L    | ΔΔ  |
|-------------------------------------------------------------------------------------|----------|-------|------|------|----|------|-----|
|                                                                                     | "        | mm    | mm   | mm   | mm | mm   | g   |
| K.1 1/2B                                                                            | 1 1/2"   | 38,1  | 54   | 40   | 27 | 66,9 | 478 |
| K.1 9/16B                                                                           | 1 9/16"  | 39,69 | 55,9 | 40   | 27 | 66,9 | 498 |
| K.1 5/8B                                                                            | 1 5/8"   | 41,28 | 57   | 40   | 27 | 66,9 | 498 |
| K.1 11/16B                                                                          | 1 11/16" | 42,86 | 60,4 | 40   | 27 | 66,9 | 564 |
| K.1 13/16B                                                                          | 1 13/16" | 44,45 | 61,9 | 40   | 28 | 66,9 | 586 |
| K.1 13/16B                                                                          | 1 13/16" | 46,04 | 63,2 | 40   | 30 | 75   | 641 |
| K.1 7/8B                                                                            | 1 7/8"   | 47,63 | 65,9 | 40   | 33 | 75   | 699 |
| K.2"B                                                                               | 2"       | 50,80 | 68,2 | 40   | 33 | 75   | 698 |
| K.2 1/8B                                                                            | 2 1/8"   | 53,98 | 73,9 | 45   | 36 | 75   | 880 |
| K.2 3/16B                                                                           | 2 3/16"  | 55,56 | 74,5 | 45   | 36 | 75   | 855 |
| K.2 1/4B                                                                            | 2 1/4"   | 57,15 | 76,9 | 45   | 36 | 75   | 913 |

## K.LA 3/4" long-reach metric 6-point OGV® sockets

▷ Performance : to ISO 2725-1, DIN 3124, NF ISO 2725-1.

|  | S  | Ø d1 | Ø d2 | t  | L    | ΔΔ  |
|-------------------------------------------------------------------------------------|----|------|------|----|------|-----|
|                                                                                     | mm | mm   | mm   | mm | mm   | g   |
| K.19LA                                                                              | 19 | 29,8 | 36   | 18 | 87,5 | 339 |
| K.21LA                                                                              | 21 | 32,0 | 36   | 18 | 87,5 | 367 |
| K.22LA                                                                              | 22 | 33,5 | 36   | 21 | 87,5 | 391 |
| K.23LA                                                                              | 23 | 35,8 | 38   | 21 | 87,5 | 461 |
| K.24LA                                                                              | 24 | 35,8 | 38   | 24 | 87,5 | 400 |
| K.26LA                                                                              | 26 | 38,8 | 36   | 24 | 87,5 | 474 |
| K.27LA                                                                              | 27 | 39,6 | 38   | 27 | 87,5 | 480 |
| K.29LA                                                                              | 29 | 42,1 | 40   | 27 | 87,5 | 505 |
| K.30LA                                                                              | 30 | 43,3 | 40   | 30 | 87,5 | 530 |
| K.32LA                                                                              | 32 | 45,8 | 40   | 33 | 87,5 | 540 |
| K.33LA                                                                              | 33 | 48,0 | 45   | 33 | 87,5 | 600 |
| K.34LA                                                                              | 34 | 48,3 | 45   | 33 | 87,5 | 656 |
| K.35LA                                                                              | 35 | 50,0 | 45   | 33 | 87,5 | 707 |
| K.36LA                                                                              | 36 | 50,8 | 45   | 36 | 87,5 | 672 |

|  | S  | Ø d1 | Ø d2 | t  | L    | ΔΔ  |
|-------------------------------------------------------------------------------------|----|------|------|----|------|-----|
|                                                                                     | mm | mm   | mm   | mm | mm   | g   |
| K.38LA                                                                              | 38 | 54,1 | 45   | 36 | 87,5 | 772 |
| K.41LA                                                                              | 41 | 57,1 | 45   | 40 | 87,5 | 778 |
| K.42LA                                                                              | 42 | 59,5 | 45   | 40 | 87,5 | 863 |



## KT.A 3/4" drive metric bits for hexagon socket heads

- Interchangeable bits with plunger lock.

|  | S  | Bit only | ΔΔ  |
|-------------------------------------------------------------------------------------|----|----------|-----|
|                                                                                     | mm |          | g   |
| KT.14A                                                                              | 14 | ET.1914  | 297 |
| KT.17A                                                                              | 17 | ET.1917  | 307 |
| KT.19A                                                                              | 19 | ET.1919  | 314 |



# Mammoth 1" range

## ► Metric socket sets 1"

### Set of 1" drive 6-point sockets 42 to 82 mm

#### M.431E

- Comprising :

Metal case.

BT.101 : 768 x 344 x 158 mm.

Tray PL.57.

|  |  |  | $\Delta\Delta$<br>kg |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------|
| M.431E                                                                           |  | M.151                                                                             | 46                   |

|                                                                                        |                                                                              |                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M.HA  | 46 - 50 - 54 - 55 - 58 - 60 - 63 - 65 - 67 - 70<br>71 - 75 - 77 - 80 - 82 mm |  M.120A  M.210A<br> M.151  M.215A |
|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



### Set of 1" drive 6-point sockets 58 to 100 mm

#### M.441E

- Comprising :

Metal case.

BT.101 : 768 x 344 x 158 mm.

Tray PL.54.

|  |   |  | $\Delta\Delta$<br>kg |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------|
| M.441E                                                                           |  | M.151                                                                             | 64,2                 |

|                                                                                          |                                                                               |                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M.HA  | 58 - 60 - 63 - 65 - 67 - 70 - 71 - 75 - 77 - 80<br>82 - 85 - 90 - 95 - 100 mm |  M.120A  M.210A<br> M.151  M.215A |
|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



### Set of 1" drive 6-point sockets 41 to 80 mm

#### M.423E

- Comprising :

Metal case.

BT.104 : 568 x 344 x 123 mm.

Tray PL.85.

|  |  |  | $\Delta\Delta$<br>kg |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------|
| M.423E                                                                             |  | M.151                                                                               | 29,7                 |

|                                                                                          |                                                |                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------------------------------------------|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M.HA  | 41 - 46 - 50 - 55 - 60 - 65 - 70<br>75 - 80 mm |  M.120A  M.210A<br> M.151  M.215A |
|------------------------------------------------------------------------------------------|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



## ► Inch socket sets 1"

### Set of 1" drive sockets 17/8" to 33/8"

#### M.431U

- Comprising :

Metal case.

BT.101 : 768 x 344 x 158 mm.

Tray PL.58.

|  |  |  | $\Delta\Delta$<br>kg |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------|
| M.431U                                                                             |  | M.151                                                                               | 39,5                 |

|                                                                                          |                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M.HA  | 1 7/8" - 2" - 2 1/8" - 2 3/16" - 2 1/4" - 2 3/8"<br>2 1/2" - 2 5/8" - 2 3/4" - 3" - 3 1/8" - 3 3/8" |  M.120A  M.210A<br> M.151  M.215A |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



► Ratchets and accessories  1"

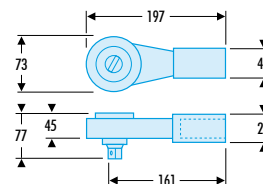
## 1" drive ratchet without handle

**M.151**

► Performance : to ISO 3315, DIN 3122, NF E 74.365.

- 5° increments.
- For use with bars M.125 or M.126 and handle M.120.
- Chrome finish.

ΔΔ : 2.1 kg.



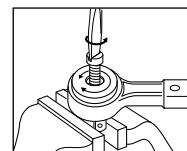
## Spare parts kit for ratchet M.151

M.151RN Worm parts kits : comprising spring, screw and pawl.

M.151C Knurl cap.

M.151R Square drive.

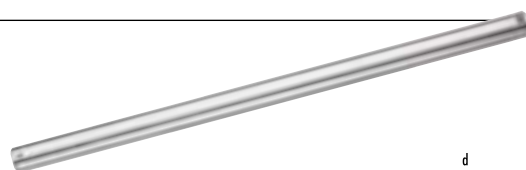
|  | ΔΔ<br>g |
|-----------------------------------------------------------------------------------|---------|
| <b>M.151RN</b>                                                                    | 80      |
| <b>M.151C</b>                                                                     | 120     |
| <b>M.151R</b>                                                                     | 470     |



## M.125A - 126A bars for ratchet M.151

- Chrome finish.
- Used as extension handles on ratchet M.151.

|  | d<br>mm | l<br>mm | ΔΔ<br>kg |
|-------------------------------------------------------------------------------------|---------|---------|----------|
| <b>M.125A</b>                                                                       | 25      | 500     | 1,9      |
| <b>M.126A</b>                                                                       | 25      | 700     | 2,7      |



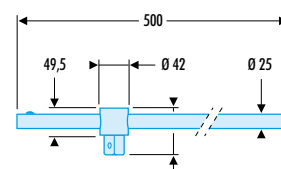
## 1" drive sliding tee

**M.120A**

► Performance : to ISO 3315, DIN 3122, NF ISO 3315.

- Friction-head allows bar to form a T or L-handle.
- Chrome finish.

ΔΔ : 2.4 kg.



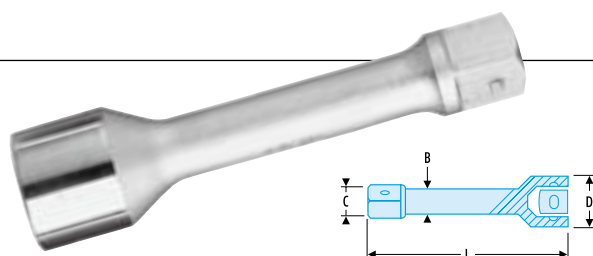
# Mammoth 1" range

## M 1" drive extensions

▷ Performance : to ISO 3316, DIN 3123, NF ISO 3316.

- Plunger safety lock.
- Chrome finish.

|  | B<br>mm | C<br>mm | D<br>mm | L<br>mm | ΔΔ<br>kg |
|----------------------------------------------------------------------------------|---------|---------|---------|---------|----------|
| <b>M.210A</b>                                                                    | 25      | 33      | 48      | 200     | 1,1      |
| <b>M.215A</b>                                                                    | 25      | 33      | 48      | 415     | 2        |



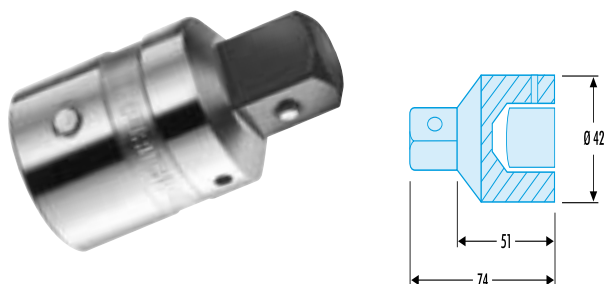
## 1" to 3/4" coupler

### M.230C

▷ Performance : to ISO 3316, DIN 3123, NF ISO 3316.

- Maximum torque 1412 N.m.
- 1" female to 3/4" male square drive.
- For adapting 3/4" drive sockets.
- Interchangeable 3/4" male square ref. M.230C1.
- Chrome body, burnished male drive.

ΔΔ : 415 g.



## Interchangeable 3/4" male drive

### M.230C1

- Maximum torque 1412 N.m.
- Interchangeable 3/4" male square attaches to 1" to 3/4" coupler ref. M.230C
- Burnished finish.

ΔΔ : 111 g.



## ▶ Sockets 1"

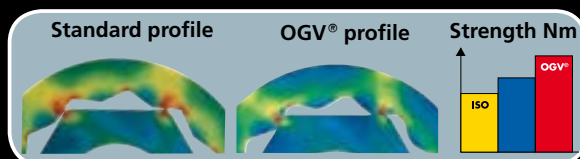


## Facom OGV® profile

### HIGHER TORQUE WITHOUT DAMAGING THE FASTENER !

The OGV® profile is achieved by a succession of curves instead of the flats found in conventional sockets®.

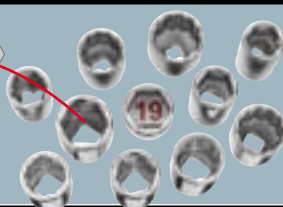
- **More powerful tightening :**  
Larger contact area between socket and fastener minimises stress.
- **Less wear :**  
Torque is transmitted through the fastener flats instead of the corners.
- **Increased durability :**  
Stress concentration in the corners is eliminated.



### TAG socket inserts

- Immediately identify your sockets.
- 6- or 12 point sockets.

 TAG



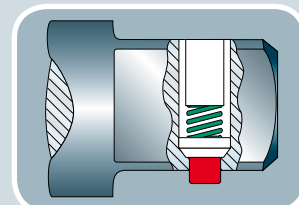


 3/4" - 1"

## Locking of sockets and accessories

## SAFETY AND COMFORT

- Lock system prevents accidental socket loss during use.
- Quick release simply by pressing the plunger.
- Compatible with standard ball-lock tools.

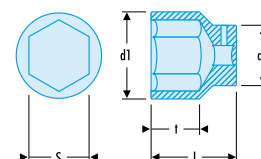


## M.HA 1" drive metric 6-point OGV® sockets

▷ Performance : to ISO 2725-1, DIN 3124, NF ISO 2725-1.

- Thinner, lighter body.
- Secure attachment of plunger lock accessories.
- Push-button release.
- Chrome finish.

|  | S   | Ø d1  | Ø d2 | t  | L   | ΔΔ   |
|-----------------------------------------------------------------------------------|-----|-------|------|----|-----|------|
| 6                                                                                 | mm  | mm    | mm   | mm | mm  | g    |
| M.41HA                                                                            | 41  | 56,9  | 51,3 | 25 | 74  | 685  |
| M.46HA                                                                            | 46  | 64,4  | 51,3 | 30 | 76  | 852  |
| M.50HA                                                                            | 50  | 69,4  | 51,3 | 33 | 80  | 968  |
| M.54HA                                                                            | 54  | 74,4  | 56,3 | 31 | 84  | 1262 |
| M.55HA                                                                            | 55  | 75,4  | 56,3 | 36 | 84  | 1262 |
| M.58HA                                                                            | 58  | 79,6  | 56,3 | 35 | 85  | 1354 |
| M.60HA                                                                            | 60  | 82,4  | 56,3 | 39 | 87  | 1432 |
| M.63HA                                                                            | 63  | 85,4  | 58,3 | 35 | 92  | 1545 |
| M.65HA                                                                            | 65  | 88,4  | 58,3 | 42 | 92  | 1652 |
| M.67HA                                                                            | 67  | 90,4  | 58,3 | 39 | 92  | 1687 |
| M.70HA                                                                            | 70  | 94,4  | 58,3 | 45 | 96  | 1921 |
| M.71HA                                                                            | 71  | 95,4  | 58,3 | 45 | 96  | 1904 |
| M.75HA                                                                            | 75  | 100,4 | 65,3 | 48 | 100 | 2261 |
| M.77HA                                                                            | 77  | 107,4 | 65,3 | 51 | 100 | 2715 |
| M.80HA                                                                            | 80  | 107,4 | 65,3 | 52 | 106 | 2800 |
| M.82HA                                                                            | 82  | 109,4 | 65,3 | 52 | 110 | 2880 |
| M.85HA                                                                            | 85  | 113,4 | 73,3 | 52 | 110 | 3225 |
| M.90HA                                                                            | 90  | 120,4 | 73,3 | 56 | 110 | 3555 |
| M.95HA                                                                            | 95  | 126,4 | 73,3 | 56 | 110 | 3800 |
| M.100HA                                                                           | 100 | 132,4 | 73,3 | 56 | 115 | 4225 |

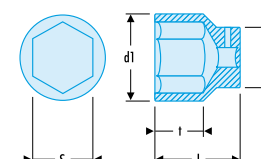


## M.HA 1" drive inch 6-point OGV® sockets

▷ Performance : to GGG.W.641E, ANSI B 107.1, ASME B 107.1.

- Thinner, lighter body.
- Secure attachment of plunger lock accessories.
- Push-button release.
- Chrome finish.

|  | S       | S     | Ø d1  | Ø d2 | t  | L   | ΔΔ   |
|-------------------------------------------------------------------------------------|---------|-------|-------|------|----|-----|------|
| 6                                                                                   | "       | mm    | mm    | mm   | mm | mm  | g    |
| M.1'13/16HA                                                                         | 1'13/16 | 46,04 | 64,4  | 51,3 | 30 | 76  | 852  |
| M.1'7/8HA                                                                           | 1'7/8   | 47,63 | 66,4  | 51,3 | 29 | 80  | 929  |
| M.2'HA                                                                              | 2"      | 50,8  | 70,4  | 51,3 | 31 | 80  | 1000 |
| M.2'1/8HA                                                                           | 2'1/8   | 53,98 | 74,4  | 56,3 | 31 | 84  | 1262 |
| M.2'3/16HA                                                                          | 2'3/16  | 55,56 | 75,4  | 56,3 | 35 | 84  | 1253 |
| M.2'1/4HA                                                                           | 2'1/4   | 57,15 | 78,5  | 56,3 | 35 | 84  | 1368 |
| M.2'3/8HA                                                                           | 2'3/8   | 60,33 | 82,4  | 56,3 | 39 | 87  | 1439 |
| M.2'1/2HA                                                                           | 2'1/2   | 63,5  | 86,4  | 58,3 | 35 | 92  | 1570 |
| M.2'5/8HA                                                                           | 2'5/8   | 66,68 | 90,4  | 58,3 | 39 | 92  | 1704 |
| M.2'3/4HA                                                                           | 2'3/4   | 69,85 | 94,4  | 58,3 | 45 | 96  | 1904 |
| M.3'HA                                                                              | 3"      | 76,2  | 103,4 | 65,3 | 51 | 100 | 2347 |
| M.3'1/8HA                                                                           | 3'1/8   | 79,37 | 107,4 | 65,3 | 51 | 106 | 2770 |
| M.3'3/8HA                                                                           | 3'3/8   | 85,72 | 113,4 | 73,3 | 56 | 110 | 3225 |



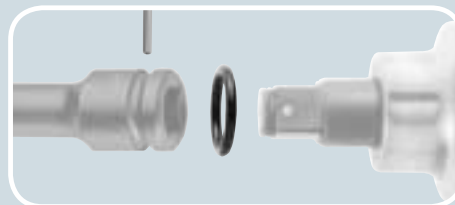


## Impact socket sets

### DEVELOPED FOR YOUR POWER TOOLS

#### PERFORMANCE

- Specially designed to resist the stresses from impact (section 14), or "Dynapact" tools (section 15). Their special steel and heat treatment ensure a very high yield strength and wear resistance.

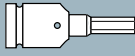
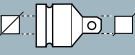


#### SAFETY

- All sockets and accessories feature a groove and side-hole to UNI ISO 2725. Locking is ensured by a through-pin and retaining ring (to be ordered separately).
- Never fit chrome-finished manual sockets Impact tools.

| Pins                                                                              |             | Rings                                                                               |                     |
|-----------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------|---------------------|
|  | Ø x L<br>mm |  | Ø bore x Ø in<br>mm |
| GA.15A                                                                            | 2,5 x 15,0  | BA.16A                                                                              | 2,4 x 16,0          |
| GA.18A                                                                            | 2,5 x 18,0  | BA.19A                                                                              | 2,4 x 19,0          |
| GA.20A                                                                            | 3,0 x 20,0  | BA.21A                                                                              | 2,4 x 21,0          |
| GA.24A                                                                            | 3,0 x 24,0  | BA.20A                                                                              | 3,5 x 20,2          |
| GA.37A                                                                            | 4,0 x 37,0  | BA.24A                                                                              | 3,5 x 24,0          |
| GA.43A                                                                            | 5,0 x 43,0  | BA.25A                                                                              | 3,5 x 25,0          |
| GA.75A                                                                            | 6,0 x 75,0  | BA.38A                                                                              | 3,5 x 38,0          |
| GA.84A                                                                            | 6,0 x 84,0  | BA.46A                                                                              | 3,5 x 46,0          |
|                                                                                   |             | BA.75A                                                                              | 5,7 x 75,0          |
|                                                                                   |             | BA.85A                                                                              | 5,7 x 85,0          |

#### Choosing impact tools

| Type of tool                                                                                                          | Drive                                                                                                      | Sizes                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SOCKET</b><br>                  | $\varnothing$ 3/8"<br>$\varnothing$ 1/2"<br>$\varnothing$ 3/4"<br>$\varnothing$ 1"<br>$\varnothing$ 1 1/2" | $\varnothing$ 6 → 19 mm<br>8 → 32 mm ; 3/8" → 1 1/16"<br>17 → 46 mm ; 3/4" → 1 5/8"<br>21 → 77 mm<br>55 → 120 mm<br>$\varnothing$ 12 → 16 → 22 mm                                                                                                                                                                                                                                                                         |
| <b>TORX® SOCKET</b><br>            | $\varnothing$ 1/2"                                                                                         | E10 → E24                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>LONG-REACH SOCKET</b><br>       | $\varnothing$ 1/2"<br>$\varnothing$ 3/4"<br>$\varnothing$ 1"                                               | 8 → 32 mm      8 → 32 mm<br>17 → 46 mm      21 → 36 mm<br>22 → 70 mm      24 → 50 mm                                                                                                                                                                                                                                                                                                                                      |
| <b>EXTRA-LONG-REACH SOCKET</b><br> | $\varnothing$ 1"                                                                                           | 30, 32, 33 mm                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>MONOCLOC BIT</b><br>            | $\varnothing$ 1/2"<br>$\varnothing$ 3/4"                                                                   | 5 → 19 mm      T30 → T60<br>17 → 24 mm                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>EXTENSION</b><br>               | $\varnothing$ 3/8"<br>$\varnothing$ 1/2"<br>$\varnothing$ 3/4"<br>$\varnothing$ 1"<br>$\varnothing$ 1 1/2" | L : 76 - 150 mm<br>L : 50 - 252 mm<br>L : 100 - 330 mm<br>L : 125 - 330 mm<br>L : 250 - 330 mm                                                                                                                                                                                                                                                                                                                            |
| <b>UNIVERSAL JOINT</b><br>         | $\varnothing$ 3/8"<br>$\varnothing$ 1/2"                                                                   | 1 modèle par carré d'entraînement                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>COUPLER</b><br>                 | $\varnothing$ 3/8"<br>$\varnothing$ 1/2"<br>$\varnothing$ 3/4"<br>$\varnothing$ 1"<br>$\varnothing$ 1 1/2" | $\varnothing$ 3/8" → $\varnothing$ 1/2" $\varnothing$ 3/8" → $\varnothing$ 1/4"<br>$\varnothing$ 1/2" → $\varnothing$ 3/4" $\varnothing$ 1/2" → $\varnothing$ 3/8"<br>$\varnothing$ 3/4" → $\varnothing$ 1" $\varnothing$ 3/4" → $\varnothing$ 1"<br>$\varnothing$ 1" → $\varnothing$ 1 1/2" $\varnothing$ 1" → $\varnothing$ 3/4"<br>$\varnothing$ 1 1/2" → $\varnothing$ 2 1/2" $\varnothing$ 1 1/2" → $\varnothing$ 1" |
| <b>DYNAPACT WRENCH</b><br>         | $\varnothing$ 3/4"<br>$\varnothing$ 1"                                                                     | 1000 N.m<br>2000 N.m                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>IMPACT SCREWDRIVER</b><br>      | $\varnothing$ 3/8"<br>$\varnothing$ 1/2"                                                                   | 200 N.m<br>400 N.m<br>p.                                                                                                                                                                                                                                                                                                                                                                                                  |

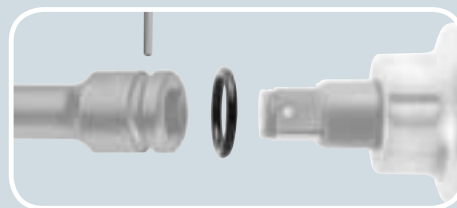


## ► Impact sockets and accessories 3/8"



### Safety first

- For your safety, use impact sockets and accessories with the appropriate rings and pins.
- Never fit chrome-finished manual sockets or accessories to impact tools.

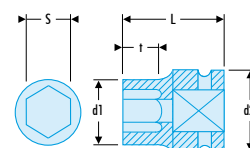
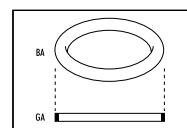


### NJ.A 3/8" drive metric 6-point impact sockets

► Performance : to ISO 2725-2, NF ISO 2725-2.

- For your safety, use impact sockets with the appropriate rings and pins.

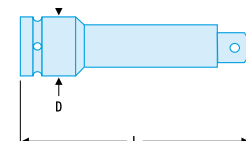
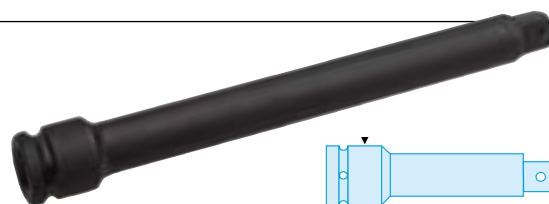
|  | S  | Ø d1 | Ø d2 | T    | L  | GA     | BA     | ΔΔ |
|-----------------------------------------------------------------------------------|----|------|------|------|----|--------|--------|----|
| mm                                                                                | mm | mm   | mm   | mm   | mm |        |        | g  |
| <b>NJ.6A</b>                                                                      | 6  | 11,5 | 19   | 6    | 30 | GA.15A | BA.16A | 38 |
| <b>NJ.7A</b>                                                                      | 7  | 12,5 | 19   | 8    | 30 | GA.15A | BA.16A | 41 |
| <b>NJ.8A</b>                                                                      | 8  | 14,0 | 19   | 8    | 30 | GA.15A | BA.16A | 41 |
| <b>NJ.9A</b>                                                                      | 9  | 15,0 | 19   | 8    | 30 | GA.15A | BA.16A | 42 |
| <b>NJ.10A</b>                                                                     | 10 | 16,5 | 19   | 8    | 30 | GA.15A | BA.16A | 41 |
| <b>NJ.11A</b>                                                                     | 11 | 17,5 | 19   | 9    | 32 | GA.15A | BA.16A | 47 |
| <b>NJ.12A</b>                                                                     | 12 | 19,0 | 19   | 9    | 30 | GA.15A | BA.16A | 49 |
| <b>NJ.13A</b>                                                                     | 13 | 20,0 | 22   | 10   | 30 | GA.18A | BA.19A | 49 |
| <b>NJ.14A</b>                                                                     | 14 | 21,5 | 22   | 11,5 | 30 | GA.18A | BA.19A | 63 |
| <b>NJ.16A</b>                                                                     | 16 | 24,0 | 22   | 12,5 | 30 | GA.18A | BA.19A | 72 |
| <b>NJ.17A</b>                                                                     | 17 | 25,0 | 22   | 12,5 | 30 | GA.18A | BA.19A | 70 |
| <b>NJ.19A</b>                                                                     | 19 | 27,5 | 22   | 14   | 30 | GA.18A | BA.19A | 77 |



### 3/8" drive impact extensions

- For your safety, use impact extensions with the appropriate rings and pins.

|  | L   | D  | ΔΔ  | GA     | BA     |
|-------------------------------------------------------------------------------------|-----|----|-----|--------|--------|
| mm                                                                                  | mm  | mm | g   |        |        |
| <b>NJ.210A</b>                                                                      | 75  | 19 | 95  | GA.15A | BA.16A |
| <b>NJ.211A</b>                                                                      | 150 | 19 | 170 | GA.15A | BA.16A |

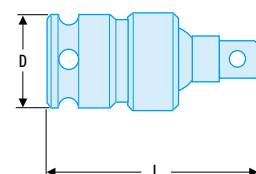


### 3/8" drive impact universal joint

#### NJ.240A

- For your safety, use impact universal joints with the appropriate rings and pins.

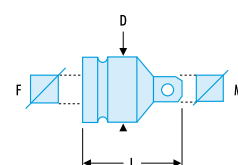
|  | D     | L  | GA    | BA    | ΔΔ |
|-------------------------------------------------------------------------------------|-------|----|-------|-------|----|
| mm                                                                                  | mm    | mm |       |       | g  |
| <b>NJ.240A</b>                                                                      | 23,85 | 51 | GA.18 | BA.21 | 85 |



### 3/8" drive impact couplers

- For your safety, use impact couplers with the appropriate rings and pins.

|  | Female | Male | L  | D  | GA     | BA     | ΔΔ |
|-------------------------------------------------------------------------------------|--------|------|----|----|--------|--------|----|
|                                                                                     | □ F    | □ M  | mm | mm |        |        | g  |
| <b>NJ.230A</b>                                                                      | 3/8"   | 1/4" | 32 | 22 | GA.18A | BA.19A | 40 |
| <b>NJ.232A</b>                                                                      | 3/8"   | 1/2" | 36 | 22 | GA.18A | BA.19A | 95 |






## Create your drive bits



**Bits**



Series 2  $\square$  5/16"

Series 3  $\square$  1/2"

See section 7 p. **351**

### Impact bit holders $\square$ 3/8"



**NJ.236A**

$\square$  5/16" 7,94 mm



**NJ.237A**

$\square$  1/2" 12,70 mm

p. **363**

## 3/8" drive impact bit-holders

> Performance : to ISO 1174-2, DIN 3121, NF ISO 1174-2.

|                | $\square$ | $\varnothing$ d1<br>mm | $\varnothing$ d2<br>mm | L<br>mm | GA     | BA     | $\Delta$<br>g |
|----------------|-----------|------------------------|------------------------|---------|--------|--------|---------------|
| <b>NJ.236A</b> | 5/16      | 14,0                   | 19                     | 37      | GA.15A | BA.16A | 35            |
| <b>NJ.237A</b> | 1/2       | 19                     | 19                     | 37      | GA.15A | BA.16A | 40            |

**New**

## 14-piece 3/8" drive impact bit set

### JHX.14

- Comprising :
  - 2 bit holders  $\square$  1/2",  $\square$  1/2" and 5/16".
  - $\square$  Hexagonal 6-7-8-10-12 and 14 mm.
  - $\square$  Torx® no. 30-40-45-50 and 55.
  - BP.102.
  - PL.402A.
- $\Delta$  : 800 g.



## Facom power tools

Facom has a wide range of air and portable electric tools, including impact wrenches, ratchets, screwdrivers, drills, grinders, sanders, power chisels, etc.

See section 14 page **570**




www.facom.com

**FACOM**

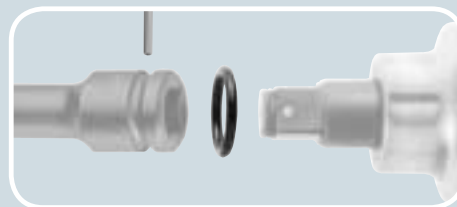
245





## Safety first

- For your safety, use impact sockets and accessories with the appropriate rings and pins.
- Never fit chrome-finished manual sockets or accessories to Impact tools.

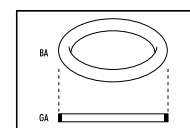
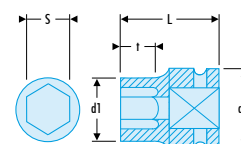


## ► Impact sockets and accessories 1/2"

### NS.A 1/2" drive metric and inch 6-point impact sockets

► Performance : to ISO 2725-2, NF ISO 2725-2.

|  |  | S  | Ø d1 | Ø d2 | T  | L  | GA     | BA     | ΔΔ  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----|------|------|----|----|--------|--------|-----|
| mm                                                                                | mm                                                                                | mm | mm   | mm   | mm | mm |        |        | g   |
| NS.8A                                                                             |                                                                                   | 8  | 15,0 | 25   | 9  | 38 | GA.20A | BA.20A | 70  |
| NS.9A                                                                             |                                                                                   | 9  | 16,0 | 25   | 12 | 38 | GA.20A | BA.20A | 70  |
| NS.10A                                                                            | NS.3/8A                                                                           | 10 | 17,5 | 25   | 12 | 38 | GA.20A | BA.20A | 75  |
| NS.11A                                                                            | NS.7/16A                                                                          | 11 | 18,7 | 25   | 12 | 38 | GA.20A | BA.20A | 76  |
| NS.12A                                                                            |                                                                                   | 12 | 20,0 | 25   | 12 | 38 | GA.20A | BA.20A | 75  |
| NS.13A                                                                            | NS.1/2A                                                                           | 13 | 21,0 | 25   | 12 | 38 | GA.20A | BA.20A | 76  |
| NS.14A                                                                            | NS.9/16A                                                                          | 14 | 22,5 | 25   | 12 | 38 | GA.20A | BA.20A | 83  |
| NS.15A                                                                            |                                                                                   | 15 | 23,7 | 30   | 12 | 38 | GA.24A | BA.25A | 112 |
| NS.16A                                                                            | NS.5/8A                                                                           | 16 | 25,0 | 30   | 12 | 38 | GA.24A | BA.25A | 105 |
| NS.17A                                                                            | NS.11/16A                                                                         | 17 | 26,5 | 30   | 13 | 38 | GA.24A | BA.25A | 112 |
| NS.18A                                                                            |                                                                                   | 18 | 27,5 | 30   | 13 | 38 | GA.24A | BA.25A | 110 |
| NS.19A                                                                            | NS.3/4A                                                                           | 19 | 29,0 | 30   | 14 | 38 | GA.24A | BA.25A | 112 |
| NS.20A                                                                            |                                                                                   | 20 | 30,0 | 30   | 15 | 38 | GA.24A | BA.25A | 116 |
| NS.21A                                                                            | NS.13/16A                                                                         | 21 | 31,0 | 30   | 15 | 38 | GA.24A | BA.25A | 156 |
| NS.22A                                                                            | NS.7/8A                                                                           | 22 | 32,5 | 30   | 16 | 38 | GA.24A | BA.25A | 156 |
| NS.23A                                                                            | NS.15/16A                                                                         | 23 | 33,5 | 30   | 16 | 38 | GA.24A | BA.25A | 162 |
| NS.24A                                                                            |                                                                                   | 24 | 35,0 | 30   | 20 | 45 | GA.24A | BA.25A | 169 |
| NS.26A                                                                            | NS.1'A                                                                            | 26 | 38,0 | 30   | 24 | 50 | GA.24A | BA.25A | 192 |
| NS.27A                                                                            | NS.1'1/16A                                                                        | 27 | 39,0 | 30   | 24 | 50 | GA.24A | BA.25A | 220 |
| NS.28A                                                                            |                                                                                   | 28 | 40,0 | 30   | 24 | 50 | GA.24A | BA.25A | 273 |
| NS.29A                                                                            |                                                                                   | 29 | 41,0 | 30   | 24 | 50 | GA.24A | BA.25A | 276 |
| NS.30A                                                                            |                                                                                   | 30 | 43,0 | 30   | 24 | 50 | GA.24A | BA.25A | 285 |
| NS.32A                                                                            |                                                                                   | 32 | 45,0 | 30   | 24 | 50 | GA.24A | BA.25A | 278 |



### 9-piece rack set of 1/2" drive metric 6-point impact sockets

#### NS.J9

► Performance : to ISO 2725-2, NF ISO 2725-2.

- A selection of the most popular sizes for automotive applications :  
-  NS.13A-14A-16A-17A-18A-19A-21A-22A and 24A.
- Essential accessory for any  1/2".
- Supplied on a rack CKS.95.

ΔΔ : 1.2 kg.



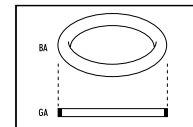
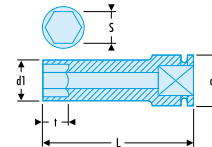
### 1/2" drive metric 6-point impact socket modules

| Contents                                                                            |                                                            |                                   |        |  |
|-------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------|--------|-------------------------------------------------------------------------------------|
|  | Socket                                                     | Bit holder                        | Tray   | kg                                                                                  |
| MOD.NS1                                                                             | NS.10A-11A-12A-13A-14A-15A-16A-17A-18A-19A-21A-22A-23A-24A | -                                 | PL.610 | 2,0                                                                                 |
| MOD.NS2                                                                             | NS.13A-14A-15A-16A-17A-18A-19A-21A-22A-27A-30A-32A         | 2 bits holders<br>Ø 1/2" et 5/16" | PL.623 | 2,9                                                                                 |



## NS.LA 1/2" drive long-reach metric 6-point impact sockets

|  | S<br>mm | Ø d1<br>mm | Ø d2<br>mm | T<br>mm | L<br>mm | GA     | BA     | ΔΔ<br>g |
|----------------------------------------------------------------------------------|---------|------------|------------|---------|---------|--------|--------|---------|
| NS.8LA                                                                           | 8       | 15,0       | 25         | 13      | 78      | GA.20A | BA.20A | 130     |
| NS.10LA                                                                          | 10      | 17,5       | 25         | 14      | 78      | GA.20A | BA.20A | 154     |
| NS.11LA                                                                          | 11      | 18,7       | 25         | 14      | 78      | GA.20A | BA.20A | 163     |
| NS.12LA                                                                          | 12      | 20,0       | 25         | 14      | 78      | GA.20A | BA.20A | 169     |
| NS.13LA                                                                          | 13      | 21,0       | 25         | 14      | 78      | GA.20A | BA.20A | 185     |
| NS.14LA                                                                          | 14      | 22,5       | 25         | 17      | 78      | GA.20A | BA.20A | 201     |
| NS.16LA                                                                          | 16      | 25,0       | 30         | 17      | 78      | GA.24A | BA.25A | 224     |
| NS.17LA                                                                          | 17      | 26,0       | 30         | 17      | 78      | GA.24A | BA.25A | 252     |
| NS.18LA                                                                          | 18      | 27,5       | 30         | 17      | 78      | GA.24A | BA.25A | 283     |
| NS.19LA                                                                          | 19      | 29,0       | 30         | 19      | 78      | GA.24A | BA.25A | 268     |
| NS.21LA                                                                          | 21      | 31,0       | 30         | 24      | 78      | GA.24A | BA.25A | 310     |
| NS.22LA                                                                          | 22      | 32,5       | 30         | 24      | 78      | GA.24A | BA.25A | 302     |
| NS.23LA                                                                          | 23      | 33,5       | 30         | 24      | 78      | GA.24A | BA.25A | 298     |
| NS.24LA                                                                          | 24      | 35,0       | 30         | 24      | 78      | GA.24A | BA.25A | 309     |
| NS.26LA                                                                          | 26      | 38,0       | 30         | 24      | 78      | GA.24A | BA.25A | 311     |
| NS.27LA                                                                          | 27      | 39,0       | 30         | 24      | 78      | GA.24A | BA.25A | 325     |
| NS.28LA                                                                          | 28      | 40,0       | 30         | 24      | 78      | GA.24A | BA.25A | 323     |
| NS.29LA                                                                          | 29      | 41,0       | 30         | 24      | 78      | GA.24A | BA.25A | 357     |
| NS.30LA                                                                          | 30      | 43,0       | 30         | 24      | 78      | GA.24A | BA.25A | 352     |
| NS.32LA                                                                          | 32      | 45,0       | 30         | 24      | 78      | GA.24A | BA.25A | 317     |

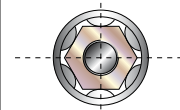
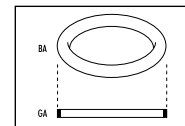
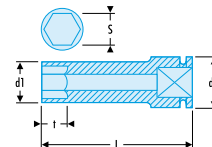


## NSB 1/2" drive long-reach metric thin-wall 6-point impact sockets

▷ Performance : to ISO 2725-2, NF ISO 2725-2.

- For your safety, use impact sockets with the appropriate rings and pins.
- Thin wall for better access.
- 6-point convex pattern for increased resilience.

|  | S<br>mm | d1<br>mm | d2<br>mm | T<br>mm | L<br>mm | GA     | BA     | ΔΔ<br>g |
|------------------------------------------------------------------------------------|---------|----------|----------|---------|---------|--------|--------|---------|
| NSB.8                                                                              | 8       | 13,0     | 25       | 8       | 80      | GA.20A | BA.20A | 165     |
| NSB.10                                                                             | 10      | 15,0     | 25       | 10      | 80      | GA.20A | BA.20A | 170     |
| NSB.11                                                                             | 11      | 16,2     | 25       | 11      | 80      | GA.20A | BA.20A | 180     |
| NSB.12                                                                             | 12      | 18,2     | 25       | 12      | 80      | GA.20A | BA.20A | 200     |
| NSB.13                                                                             | 13      | 19,0     | 25       | 13      | 80      | GA.20A | BA.20A | 210     |
| NSB.14                                                                             | 14      | 21,0     | 30       | 14      | 80      | GA.24A | BA.25A | 205     |
| NSB.15                                                                             | 15      | 22,0     | 30       | 15      | 80      | GA.24A | BA.25A | 220     |
| NSB.16                                                                             | 16      | 23,0     | 30       | 16      | 80      | GA.24A | BA.25A | 230     |
| NSB.17                                                                             | 17      | 24,0     | 30       | 17      | 80      | GA.24A | BA.25A | 245     |
| NSB.18                                                                             | 18      | 25,5     | 30       | 18      | 80      | GA.24A | BA.25A | 245     |
| NSB.19                                                                             | 19      | 27,0     | 30       | 19      | 80      | GA.24A | BA.25A | 240     |
| NSB.21                                                                             | 21      | 30,0     | 30       | 22      | 80      | GA.24A | BA.25A | 245     |
| NSB.22                                                                             | 22      | 31,0     | 30       | 23      | 85      | GA.24A | BA.25A | 250     |
| NSB.24                                                                             | 24      | 32,0     | 30       | 24      | 85      | GA.24A | BA.25A | 280     |
| NSB.27                                                                             | 27      | 36,0     | 30       | 27      | 85      | GA.24A | BA.25A | 325     |
| NSB.30                                                                             | 30      | 39,0     | 30       | 30      | 85      | GA.24A | BA.25A | 330     |
| NSB.32                                                                             | 32      | 41,0     | 30       | 32      | 85      | GA.24A | BA.25A | 335     |



## 3-piece set of 1/2" drive long-reach thin-wall impact sockets for wheel nuts

### NSB.3

- Includes  1/2".
- Special series for wheel nuts.

ΔΔ : 740 g.



## Sockets for alloy wheels

- NSAL.3 = set of 3 deep impact sockets with protective plastic sleeves to prevent damage to polished chrome or alloy wheels.

See section 18 p. 785  
Wheels-Hubs-Transmission

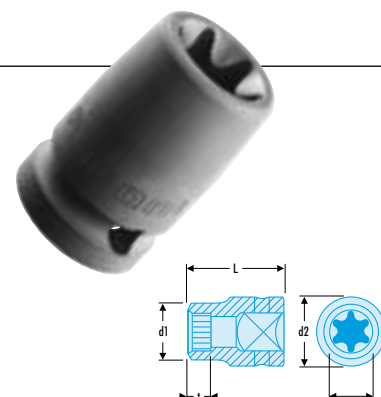


New

**NSTX Torx® 1/2" impact sockets**

- For your safety, use impact sockets with the appropriate rings and pins.

|                | Torx®<br>no. | I<br>mm | Ø d1<br>mm | Ø d2<br>mm | t<br>mm | L<br>mm | GA     | BA     | ΔΔ<br>g |
|----------------|--------------|---------|------------|------------|---------|---------|--------|--------|---------|
| <b>NSTX.10</b> | E10          | 9,19    | 14,2       | 25         | 6,4     | 38      | GA.20A | BA.20A | 86      |
| <b>NSTX.12</b> | E12          | 10,95   | 15,2       | 25         | 8,0     | 38      | GA.20A | BA.20A | 85      |
| <b>NSTX.14</b> | E14          | 12,67   | 18,2       | 25         | 8,8     | 38      | GA.20A | BA.20A | 88      |
| <b>NSTX.16</b> | E16          | 14,70   | 19,2       | 25         | 9,6     | 38      | GA.20A | BA.20A | 88      |
| <b>NSTX.18</b> | E18          | 16,38   | 22,2       | 25         | 11,1    | 38      | GA.20A | BA.20A | 89      |
| <b>NSTX.20</b> | E20          | 18,16   | 24,2       | 30         | 12,7    | 38      | GA.24A | BA.24A | 134     |
| <b>NSTX.24</b> | E24          | 21,84   | 28,2       | 30         | 17,0    | 40      | GA.24A | BA.24A | 138     |



New

**7-piece Torx® 1/2" impact socket rack set****NSTX.J7**

- For your safety, use impact sockets with the appropriate rings and pins.
- Set of 7 Torx impact sockets 1/2".
- Includes sizes :  
 □ NSTX : E10, E12, E14, E16, E18, E20, E24.
- Supplied on a rack CKS.97.
- ΔΔ : 770 g.



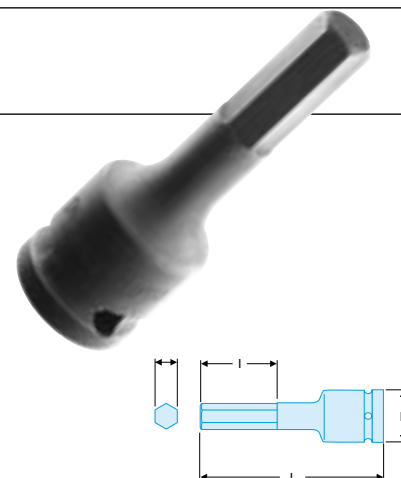
New

**NSHM 1/2" drive metric impact bits for hexagon socket heads**

▷ Performance : to ISO 2725-2, NF ISO 2725-2.

- For your safety, use impact sockets with the appropriate rings and pins.
- Non-removable bits.

|                | Ø<br>mm | Ø D<br>mm | l<br>mm | L<br>mm | GA     | BA     | ΔΔ<br>g |
|----------------|---------|-----------|---------|---------|--------|--------|---------|
| <b>NSHM.5</b>  | 5       | 25        | 20      | 75      | GA.20A | BA.20A | 60      |
| <b>NSHM.6</b>  | 6       | 25        | 20      | 75      | GA.20A | BA.20A | 60      |
| <b>NSHM.8</b>  | 8       | 25        | 25      | 75      | GA.20A | BA.20A | 80      |
| <b>NSHM.10</b> | 10      | 25        | 25      | 75      | GA.20A | BA.20A | 100     |
| <b>NSHM.12</b> | 12      | 25        | 25      | 75      | GA.20A | BA.20A | 120     |
| <b>NSHM.14</b> | 14      | 25        | 25      | 75      | GA.20A | BA.20A | 120     |
| <b>NSHM.17</b> | 17      | 25        | 25      | 75      | GA.20A | BA.20A | 160     |
| <b>NSHM.19</b> | 19      | 25        | 25      | 75      | GA.20A | BA.20A | 180     |



New

**8-piece rack set of 1/2" drive metric impact bits for hexagon socket heads****NSHM.J8**

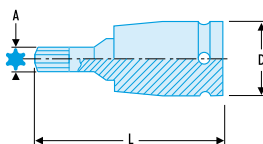
- For your safety, use impact sockets with the appropriate rings and pins.
- Set of 8 bits 1/2" for hexagon socket heads.
- Includes sizes : ○ NSHM.5, 6, 8, 10, 12, 14, 17, 19.
- Supplied on a rack CKS.95.
- ΔΔ : 1.20 kg.



## NSX 1/2" drive impact bits for Torx® heads

- For your safety, use impact sockets with the appropriate rings and pins.
- Interchangeable bits.

|                | Torx®<br>no. | I<br>A mm | Components |         | D<br>mm | L<br>mm | ΔΔ<br>g |
|----------------|--------------|-----------|------------|---------|---------|---------|---------|
| <b>NSX.30A</b> | T30          | 5,49      | NS.237A    | NEX.30A | 25      | 70      | 90      |
| <b>NSX.40A</b> | T40          | 6,60      | NS.237A    | NEX.40A | 25      | 70      | 95      |
| <b>NSX.45A</b> | T45          | 7,77      | NS.237A    | NEX.45A | 25      | 70      | 95      |
| <b>NSX.50A</b> | T50          | 8,79      | NS.237A    | NEX.50A | 25      | 70      | 100     |
| <b>NSX.55A</b> | T55          | 11,17     | NS.237A    | NEX.55A | 25      | 70      | 105     |
| <b>NSX.60A</b> | T60          | 13,20     | NS.237A    | NEX.60A | 25      | 70      | 110     |



## Create your drive bits



### Bits



Series 2  $\square$  5/16"

Series 3  $\square$  1/2" See section 7 p. 351

### Impact bit holders $\square$ 1/2"



**NS.236A**

$\square$  5/16" 7,94 mm



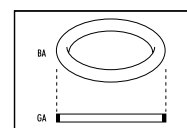
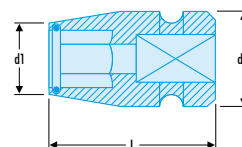
**NS.237A**

$\square$  1/2" 12,70 mm

p. 363

## 1/2" drive impact bit-holders

|                | $\square$ | $\varnothing$ d1<br>mm | $\varnothing$ d2<br>mm | L<br>mm | GA     | BA     | ΔΔ<br>g |
|----------------|-----------|------------------------|------------------------|---------|--------|--------|---------|
| <b>NS.236A</b> | 5/16      | 15,5                   | 25                     | 40      | GA.20A | BA.20A | 65      |
| <b>NS.237A</b> | 1/2       | 20                     | 25                     | 40      | GA.20A | BA.20A | 40      |



## 14-piece 1/2" drive impact bit set

### NHX.14A

- Comprising :
  - 2 bit holders  $\square$  1/2",  $\square$  1/2" and 5/16".
  - $\square$  Hexagonal 6-7-8-10-12 and 14 mm.
  - $\square$  Torx® no. 30-40-45-50 and 55.
  - $\square$  Phillips® 2 - 3 and 4.
  - BP.102.
  - PL.402A.

ΔΔ : 800 g.

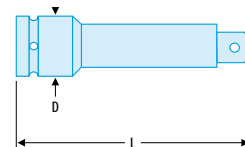




## 1/2" drive impact extensions

• For your safety, use impact extensions with the appropriate rings and pins.

|                | L<br>mm | D<br>mm | GA     | BA     | ΔΔ<br>g |
|----------------|---------|---------|--------|--------|---------|
| <b>NS.210A</b> | 50      | 25      | GA.20A | BA.20A | 105     |
| <b>NS.215A</b> | 125     | 25      | GA.20A | BA.20A | 235     |
| <b>NS.218A</b> | 175     | 25      | GA.20A | BA.20A | 370     |
| <b>NS.219A</b> | 250     | 25      | GA.20A | BA.20A | 520     |

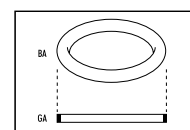
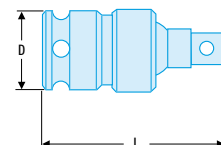


## 1/2" drive impact universal joint

### NS.240A

• For your safety, use impact universal joints with the appropriate rings and pins.

|                | Ø D<br>mm | L<br>mm | GA     | BA     | ΔΔ<br>g |
|----------------|-----------|---------|--------|--------|---------|
| <b>NS.240A</b> | 27,9      | 60      | GA.24A | BA.24A | 205     |

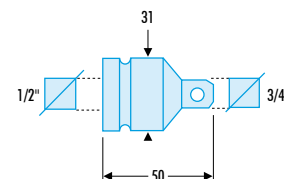


## 1/2" to 3/4" impact coupler

### NS.232B

• For your safety, use impact couplers with the appropriate rings and pins.

|                | GA     | BA     | ΔΔ<br>g |
|----------------|--------|--------|---------|
| <b>NS.232B</b> | GA.24A | BA.25A | 185     |

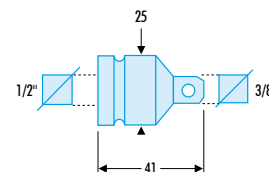


## 1/2" to 3/8" impact coupler

### NS.230A

• For your safety, use impact couplers with the appropriate rings and pins.

|                | GA     | BA     | ΔΔ<br>g |
|----------------|--------|--------|---------|
| <b>NS.230A</b> | GA.20A | BA.20A | 90      |



**New**

## Set of 1/2" drive short and long-reach impact sockets 10 to 32 mm

### NS.550A

- For your safety, use impact sockets with the appropriate rings and pins (included).
  - Comprehensive set of tools for automotive applications : short and long-reach sockets, sockets for alloy wheels (17, 19, 21 mm).
  - Supplied in plastic case BP 109 (478x234x72 mm) + tray PL.716.
- ΔΔ : 5.1 kg.



## Set of 1/2" drive impact sockets 8 to 27 mm

### NS.500A

- For your safety, use impact sockets with the appropriate rings and pins.
  - Supplied in a plastic case BP.112 (389 x 164 x 66 mm) + tray PL.416.
- ΔΔ : 3.7 kg.

|      |                                               |         |
|------|-----------------------------------------------|---------|
| NS.A | 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16      | NS.240A |
| BA   | 17 - 18 - 19 - 21 - 22 - 23 - 24 - 26 - 27 mm | NS.215A |
| GA   | BA.20A - BA.24A - BA.25A                      |         |
|      | GA.20A - GA.24A                               |         |



## Set of 1/2" drive impact sockets 3/8" to 11/16"

### NS.500AU

- For your safety, use impact sockets with the appropriate rings and pins.
  - Supplied in a plastic case BP.112 (389 x 164 x 66 mm) + tray PL.417.
- ΔΔ : 3.1 kg.

|      |                                                    |         |
|------|----------------------------------------------------|---------|
| NS.A | 3/8" - 7/16" - 3/8" - 1/2" - 9/16" - 5/8" - 11/16" | NS.240A |
| BA   | 3/4" - 13/16" - 7/8" - 15/16" - 1" - 1 1/16"       | NS.215A |
| GA   | BA.20A - BA.24A - BA.25A                           |         |
|      | GA.20A - GA.24A                                    |         |



## Set of 1/2" drive long-reach impact sockets 10 to 24 mm

### NS.405A

- For your safety, use impact sockets with the appropriate rings and pins.
  - Supplied in a plastic case BP.112 (389 x 164 x 66 mm) + tray PL.418.
- ΔΔ : 4 kg.

|       |                                       |
|-------|---------------------------------------|
| NS.LA | 10 - 11 - 12 - 13 - 14 - 16 - 17 - 19 |
|       | 21 - 22 - 23 - 24 mm                  |



## Facom power tools

Facom has a wide range of air and portable electric tools, including impact wrenches, ratchets, screwdrivers, drills, grinders, sanders, power chisels, etc.

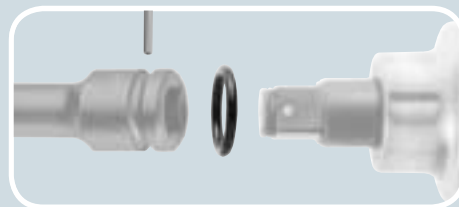
See section 14 p. 570



► Impact sockets and accessories  3/4"

## Safety first

- For your safety, use impact sockets and accessories with the appropriate rings and pins.
- Never fit chrome-finished manual sockets or accessories to Impact tools.

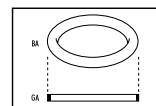
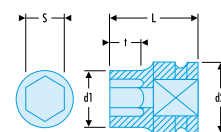


## NK.A 3/4" drive metric and inch 6-point impact sockets

▷ Performance : to ISO 2725-2, NF ISO 2725-2.

- For your safety, use impact sockets with the appropriate rings and pins.

|  | S"         | Ø d1<br>mm | Ø d2<br>mm | t<br>mm | L<br>mm | GA     | BA     | ΔΔ<br>g |
|-----------------------------------------------------------------------------------|------------|------------|------------|---------|---------|--------|--------|---------|
| NK.17A                                                                            |            | 30         | 44         | 12      | 52      | GA.37A | BA.38A | 300     |
| NK.18A                                                                            |            | 32         | 44         | 13      | 50      | GA.37A | BA.38A | 310     |
| NK.19A                                                                            | NK.3/4A    | 33         | 44         | 14      | 50      | GA.37A | BA.38A | 315     |
| NK.21A                                                                            | NK.13/16A  | 35         | 44         | 15      | 50      | GA.37A | BA.38A | 330     |
| NK.22A                                                                            | NK.7/8A    | 37         | 44         | 16      | 50      | GA.37A | BA.38A | 345     |
| NK.23A                                                                            |            | 38         | 44         | 16      | 50      | GA.37A | BA.38A | 350     |
| NK.24A                                                                            | NK.15/16A  | 39         | 44         | 17      | 50      | GA.37A | BA.38A | 350     |
| NK.26A                                                                            | NK.1"A     | 42         | 44         | 18      | 50      | GA.37A | BA.38A | 480     |
| NK.27A                                                                            | NK.1-1/16A | 43         | 44         | 23      | 54      | GA.37A | BA.38A | 480     |
| NK.28A                                                                            |            | 44         | 44         | 23      | 54      | GA.37A | BA.38A | 520     |
| NK.29A                                                                            | NK.1"11/8A | 45         | 44         | 23      | 54      | GA.37A | BA.38A | 520     |
| NK.30A                                                                            |            | 47         | 44         | 23      | 54      | GA.37A | BA.38A | 545     |
| NK.32A                                                                            | NK.1"1/4A  | 49         | 44         | 23      | 56      | GA.37A | BA.38A | 620     |
| NK.33A                                                                            |            | 51         | 44         | 23      | 56      | GA.37A | BA.38A | 650     |
| NK.34A                                                                            |            | 52         | 44         | 23      | 56      | GA.37A | BA.38A | 680     |
| NK.35A                                                                            | NK.1"5/16A | 53         | 44         | 23      | 56      | GA.37A | BA.38A | 680     |
| NK.36A                                                                            | NK.1"7/16A | 54         | 44         | 25      | 56      | GA.37A | BA.38A | 705     |
| NK.38A                                                                            | NK.1"1/2A  | 57         | 44         | 26      | 58      | GA.37A | BA.38A | 890     |
| NK.41A                                                                            | NK.1"5/8A  | 60         | 44         | 28      | 58      | GA.37A | BA.38A | 890     |
| NK.42A                                                                            |            | 62         | 44         | 29      | 58      | GA.37A | BA.38A | 925     |
| NK.46A                                                                            |            | 67         | 44         | 32      | 63      | GA.37A | BA.38A | 1055    |

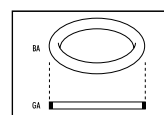
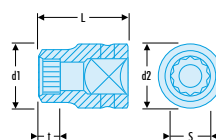


## NKD.A 3/4" drive metric 12-point impact sockets

▷ Performance : to ISO 2725-2, NF ISO 2725-2.

- For your safety, use impact sockets with the appropriate rings and pins.

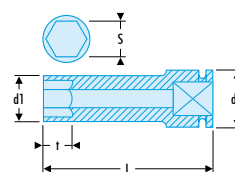
|  | S<br>mm | Ø d1<br>mm | Ø d2<br>mm | t<br>mm | L<br>mm | GA     | BA     | ΔΔ<br>g |
|-------------------------------------------------------------------------------------|---------|------------|------------|---------|---------|--------|--------|---------|
| NKD.16A                                                                             | 16      | 29,0       | 44         | 12      | 52      | GA.37A | BA.38A | 300     |
| NKD.17A                                                                             | 17      | 30,0       | 44         | 12      | 52      | GA.37A | BA.38A | 305     |
| NKD.18A                                                                             | 18      | 31,5       | 44         | 14      | 52      | GA.37A | BA.38A | 310     |
| NKD.19A                                                                             | 19      | 32,5       | 44         | 14      | 52      | GA.37A | BA.38A | 315     |
| NKD.22A                                                                             | 22      | 36,5       | 44         | 16      | 52      | GA.37A | BA.38A | 340     |



## NK.LA 3/4" drive long-reach metric and inch 6-point impact sockets

- For your safety, use impact sockets with the appropriate rings and pins.

|  | S<br>mm | Ø d1<br>mm | Ø d2<br>mm | t<br>mm | L<br>mm | GA     | BA     | ΔΔ<br>kg |
|-------------------------------------------------------------------------------------|---------|------------|------------|---------|---------|--------|--------|----------|
| NK.17LA                                                                             | 17      | 31         | 44         | 17      | 95      | GA.37A | BA.38A | 550      |
| NK.19LA                                                                             | 19      | 33         | 44         | 17      | 95      | GA.37A | BA.38A | 620      |
| NK.21LA                                                                             | 21      | 35         | 44         | 24      | 95      | GA.37A | BA.38A | 600      |
| NK.22LA                                                                             | 22      | 37         | 44         | 24      | 95      | GA.37A | BA.38A | 780      |
| NK.23LA                                                                             | 23      | 38         | 44         | 24      | 95      | GA.37A | BA.38A | 780      |
| NK.24LA                                                                             | 24      | 39         | 44         | 24      | 95      | GA.37A | BA.38A | 820      |
| NK.26LA                                                                             | 26      | 42         | 44         | 24      | 95      | GA.37A | BA.38A | 800      |
| NK.27LA                                                                             | 27      | 43         | 44         | 24      | 95      | GA.37A | BA.38A | 810      |
| NK.29LA                                                                             | 29      | 45         | 44         | 24      | 95      | GA.37A | BA.38A | 890      |
| NK.30LA                                                                             | 30      | 47         | 44         | 24      | 95      | GA.37A | BA.38A | 900      |
| NK.32LA                                                                             | 32      | 49         | 44         | 24      | 95      | GA.37A | BA.38A | 930      |
| NK.33LA                                                                             | 33      | 51         | 44         | 24      | 95      | GA.37A | BA.38A | 980      |
| NK.34LA                                                                             | 34      | 52         | 44         | 24      | 95      | GA.37A | BA.38A | 1100     |



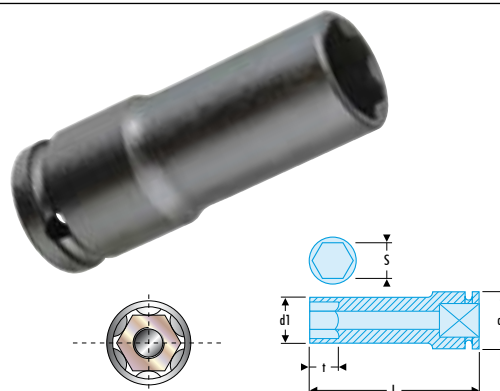
|  | S<br>mm | Ø d1<br>mm | Ø d2<br>mm | t<br>mm | L<br>mm | GA     | BA     | ΔΔ<br>kg |
|-------------------------------------------------------------------------------------|---------|------------|------------|---------|---------|--------|--------|----------|
| NK.35LA                                                                             | 35      | 53         | 44         | 24      | 95      | GA.37A | BA.38A | 1240     |
| NK.36LA                                                                             | 36      | 54         | 44         | 25      | 95      | GA.37A | BA.38A | 1240     |
| NK.38LA                                                                             | 38      | 57         | 44         | 60      | 95      | GA.37A | BA.38A | 1220     |
| NK.41LA                                                                             | 41      | 60         | 44         | 60      | 95      | GA.37A | BA.38A | 1470     |
| NK.42LA                                                                             | 42      | 62         | 44         | 60      | 95      | GA.37A | BA.38A | 1450     |
| NK.46LA                                                                             | 46      | 67         | 44         | 60      | 95      | GA.37A | BA.38A | 1480     |

## NKB 3/4" drive long-reach metric thin-wall 6-point impact sockets

▷ Performance : to ISO 2725-2, NF ISO 2725-2.

- For your safety, use impact sockets with the appropriate rings and pins.
- Thin wall for better access.
- 6-point convex pattern for increased resilience.

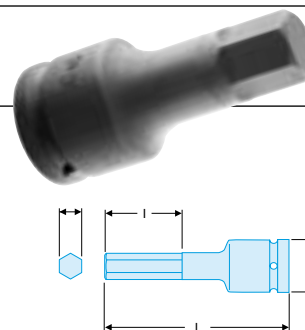
|               | S  | d1 | d2 | t  | L   | ΔΔ  | GA     | BA     |
|---------------|----|----|----|----|-----|-----|--------|--------|
|               | mm | mm | mm | mm | mm  | g   |        |        |
| <b>NKB.21</b> | 21 | 33 | 44 | 21 | 102 | 600 | GA.37A | BA.38A |
| <b>NKB.22</b> | 22 | 34 | 44 | 22 | 102 | 600 | GA.37A | BA.38A |
| <b>NKB.24</b> | 24 | 36 | 44 | 24 | 102 | 640 | GA.37A | BA.38A |
| <b>NKB.27</b> | 27 | 40 | 44 | 27 | 102 | 670 | GA.37A | BA.38A |
| <b>NKB.30</b> | 30 | 43 | 44 | 30 | 102 | 700 | GA.37A | BA.38A |
| <b>NKB.32</b> | 32 | 46 | 44 | 32 | 102 | 706 | GA.37A | BA.38A |
| <b>NKB.33</b> | 33 | 48 | 44 | 33 | 102 | 750 | GA.37A | BA.38A |
| <b>NKB.36</b> | 36 | 50 | 44 | 36 | 102 | 765 | GA.37A | BA.38A |



## NKHM 3/4" drive metric impact bits for hexagon socket heads

- For your safety, use impact sockets with the appropriate rings and pins.
- Non-removable bits.

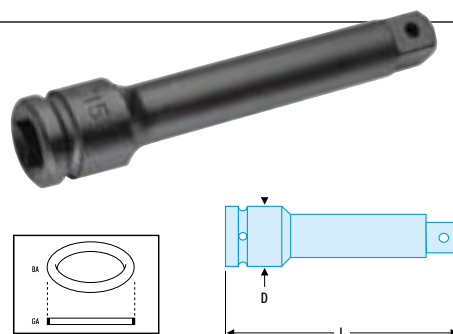
|                | mm | Ø D | I  | L   | GA     | BA     | ΔΔ  |
|----------------|----|-----|----|-----|--------|--------|-----|
|                | mm | mm  | mm | mm  |        |        | g   |
| <b>NKHM.17</b> | 17 | 44  | 20 | 100 | GA.37A | BA.38A | 600 |
| <b>NKHM.19</b> | 19 | 44  | 20 | 100 | GA.37A | BA.38A | 600 |
| <b>NKHM.22</b> | 22 | 44  | 20 | 100 | GA.37A | BA.38A | 600 |
| <b>NKHM.24</b> | 24 | 44  | 20 | 100 | GA.37A | BA.38A | 600 |



## 3/4" drive impact extensions

- For your safety, use impact extensions with the appropriate rings and pins.

|                | Ø D | L   | GA     | BA     | ΔΔ   |
|----------------|-----|-----|--------|--------|------|
|                | mm  | mm  |        |        | kg   |
| <b>NK.209A</b> | 44  | 100 | GA.37A | BA.38A | 0,6  |
| <b>NK.210A</b> | 44  | 175 | GA.37A | BA.38A | 1,05 |
| <b>NK.215A</b> | 44  | 252 | GA.37A | BA.38A | 1,17 |
| <b>NK.218A</b> | 44  | 330 | GA.37A | BA.38A | 1,51 |

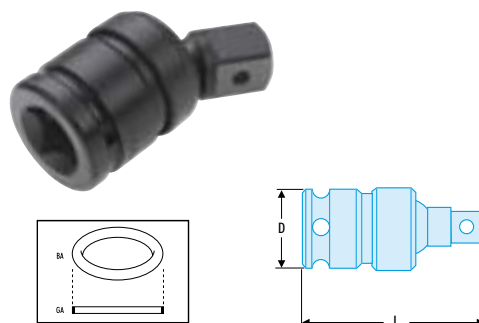


## 3/4" drive impact universal joint

### NK.240A

- For your safety, use impact universal joints with the appropriate rings and pins.

|                | Ø D | L  | GA     | BA     | ΔΔ  |
|----------------|-----|----|--------|--------|-----|
|                | mm  | mm |        |        | g   |
| <b>NK.240A</b> | 44  | 90 | GA.37A | BA.38A | 720 |

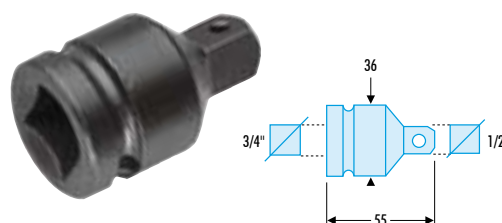


## 3/4" to 1/2" impact coupler

### NK.230A

- For your safety, use impact couplers with the appropriate rings and pins.

|                | GA     | BA     | ΔΔ  |
|----------------|--------|--------|-----|
|                |        |        | g   |
| <b>NK.230A</b> | GA.37A | BA.38A | 210 |



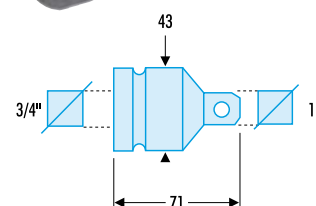


## 3/4" to 1" impact coupler

**NK.232A**

- For your safety, use impact couplers with the appropriate rings and pins.

|                | GA     | BA     | $\Delta\Delta$<br>g |
|----------------|--------|--------|---------------------|
| <b>NK.232A</b> | GA.37A | BA.38A | 525                 |



## Set of 3/4" drive impact sockets 19 to 42 mm

**NK.500E**

- For your safety, use impact sockets with the appropriate rings and pins.
  - Supplied in a metal case BT.111 (396 x 224 x 82 mm) + tray PL.79A.
- $\Delta\Delta$  : 12.4 kg.

|      |                                                                                   |                |
|------|-----------------------------------------------------------------------------------|----------------|
| NK.A | 19 - 21 - 22 - 23 - 24 - 26 - 27 - 28 - 29 - 30<br>32 - 34 - 36 - 38 - 41 - 42 mm | <b>NK.240A</b> |
| BA   | BA.38A                                                                            | <b>NK.210A</b> |
| GA   | GA.37A                                                                            |                |



## Set of 3/4" drive impact sockets 3/4" to 1 5/8"

**NK.500U**

- For your safety, use impact sockets with the appropriate rings and pins.
  - Supplied in a metal case BT.111 (396 x 224 x 82 cm) + tray PL.80A.
- $\Delta\Delta$  : 10.3 kg.

|      |                                                                                                       |                |
|------|-------------------------------------------------------------------------------------------------------|----------------|
| NK.A | 3/4" - 13/16" - 7/8" - 15/16" - 1" - 1 1/16" - 1 1/8"<br>1 1/4" - 1 5/16" - 1 7/16" - 1 1/2" - 1 5/8" | <b>NK.240A</b> |
| BA   | BA.38A                                                                                                | <b>NK.210A</b> |
| GA   | GA.37A                                                                                                |                |



## Facom power tools

Facom has a wide range of air and portable electric tools, including impact wrenches, ratchets, screwdrivers, drills, grinders, sanders, power chisels, etc.

See section 14 p. 570



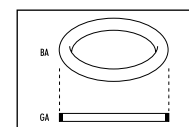
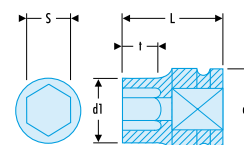
## ► Impact sockets and accessories 1"

### NM.A 1" drive metric and inch 6-point impact sockets

► Performance : to ISO 2725-2, NF ISO 2725-2.

• For your safety, use impact sockets with the appropriate rings and pins.

|  | S           | Ø d1<br>mm | Ø d2<br>mm | t<br>mm | L<br>mm | GA     | BA     | ΔΔ<br>kg |
|----------------------------------------------------------------------------------|-------------|------------|------------|---------|---------|--------|--------|----------|
| NM.21A                                                                           |             | 38         | 54         | 17      | 58      | GA.43A | BA.46A | 0,520    |
| NM.22A                                                                           |             | 40         | 54         | 17      | 58      | GA.43A | BA.46A | 0,500    |
| NM.23A                                                                           |             | 41         | 54         | 17      | 58      | GA.43A | BA.46A | 0,500    |
| NM.24A                                                                           |             | 42         | 54         | 17      | 58      | GA.43A | BA.46A | 0,500    |
| NM.26A                                                                           | NM.1'A      | 44         | 54         | 18      | 58      | GA.43A | BA.46A | 0,520    |
| NM.27A                                                                           |             | 46         | 54         | 19      | 58      | GA.43A | BA.46A | 0,520    |
| NM.28A                                                                           |             | 47         | 54         | 20      | 58      | GA.43A | BA.46A | 0,520    |
| NM.29A                                                                           | NM.1'1/8A   | 48         | 54         | 20      | 60      | GA.43A | BA.46A | 0,520    |
| NM.30A                                                                           |             | 50         | 54         | 20      | 60      | GA.43A | BA.46A | 0,750    |
| NM.32A                                                                           | NM.1'1/4A   | 52         | 54         | 22      | 60      | GA.43A | BA.46A | 0,760    |
|                                                                                  | NM.1'5/16A  | 54         | 54         | 22      | 62      | GA.43A | BA.46A | 0,75     |
| NM.33A                                                                           |             | 53         | 54         | 22      | 60      | GA.43A | BA.46A | 0,750    |
| NM.34A                                                                           |             | 55         | 54         | 23      | 62      | GA.43A | BA.46A | 0,750    |
| NM.35A                                                                           |             | 56         | 54         | 26      | 62      | GA.43A | BA.46A | 0,800    |
| NM.36A                                                                           |             | 57         | 54         | 26      | 65      | GA.43A | BA.46A | 0,840    |
|                                                                                  | NM.1'1/2A   | 60         | 54         | 30      | 65      | GA.43A | BA.46A | 1,62     |
| NM.38A                                                                           |             | 60         | 54         | 30      | 65      | GA.43A | BA.46A | 0,840    |
| NM.41A                                                                           | NM.1'5/8A   | 63         | 54         | 30      | 67      | GA.43A | BA.46A | 1,040    |
| NM.42A                                                                           |             | 65         | 54         | 35      | 74      | GA.43A | BA.46A | 1,040    |
| NM.46A                                                                           | NM.1'13/16A | 70         | 54         | 35      | 74      | GA.43A | BA.46A | 1,500    |
| NM.50A                                                                           |             | 75         | 54         | 40      | 80      | GA.43A | BA.46A | 1,650    |
|                                                                                  | NM.1'7/8A   | 72         | 54         | 35      | 74      | GA.43A | BA.46A | 1,62     |
| NM.52A                                                                           | NM.2'A      | 77         | 54         | 42      | 84      | GA.43A | BA.46A | 1,750    |
| NM.54A                                                                           | NM.2'1/8A   | 80         | 54         | 42      | 84      | GA.43A | BA.46A | 1,790    |
| NM.55A                                                                           |             | 81         | 54         | 42      | 84      | GA.43A | BA.46A | 1,840    |
| NM.56A                                                                           |             | 82         | 54         | 42      | 84      | GA.43A | BA.46A | 2,060    |
| NM.58A                                                                           |             | 85         | 54         | 44      | 87      | GA.43A | BA.46A | 2,190    |
| NM.60A                                                                           |             | 87         | 54         | 44      | 87      | GA.43A | BA.46A | 2,370    |
| NM.65A                                                                           |             | 93         | 54         | 46      | 90      | GA.43A | BA.46A | 2,730    |
| NM.70A                                                                           |             | 100        | 54         | 50      | 96      | GA.43A | BA.46A | 2,980    |
| NM.75A                                                                           |             | 106        | 86         | 50      | 98      | GA.75A | BA.75A | 3,300    |
| NM.77A                                                                           |             | 109        | 86         | 50      | 100     | GA.75A | BA.75A | 3,500    |

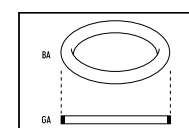
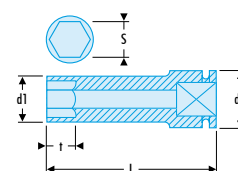


### NM.LA 1" drive long-reach metric and inch 6-point impact sockets

► Performance : to ISO 2725-2, NF ISO 2725-2.

• For your safety, use impact sockets with the appropriate rings and pins.

|  | S<br>mm | Ø d1<br>mm | Ø d2<br>mm | t<br>mm | L<br>mm | GA     | BA     | ΔΔ<br>kg |
|------------------------------------------------------------------------------------|---------|------------|------------|---------|---------|--------|--------|----------|
| NM.22LA                                                                            | 22      | 40         | 54         | 21      | 100     | GA.43A | BA.46A | 1        |
| NM.23LA                                                                            | 23      | 41         | 54         | 21      | 100     | GA.43A | BA.46A | 1,05     |
| NM.24LA                                                                            | 24      | 42         | 54         | 21      | 100     | GA.43A | BA.46A | 1,05     |
| NM.26LA                                                                            | 26      | 44,5       | 54         | 24      | 100     | GA.43A | BA.46A | 1,08     |
| NM.27LA                                                                            | 27      | 46         | 54         | 24      | 100     | GA.43A | BA.46A | 1,12     |
| NM.29LA                                                                            | 29      | 48         | 54         | 24      | 100     | GA.43A | BA.46A | 1,2      |
| NM.30LA                                                                            | 30      | 50         | 54         | 24      | 100     | GA.43A | BA.46A | 1,2      |
| NM.32LA                                                                            | 32      | 52         | 54         | 24      | 100     | GA.43A | BA.46A | 1,25     |
| NM.33LA                                                                            | 33      | 53         | 54         | 24      | 100     | GA.43A | BA.46A | 1,32     |
| NM.34LA                                                                            | 34      | 55         | 54         | 40      | 100     | GA.43A | BA.46A | 1,32     |
| NM.35LA                                                                            | 35      | 56         | 54         | 60      | 100     | GA.43A | BA.46A | 1,34     |
| NM.36LA                                                                            | 36      | 57         | 54         | 65      | 100     | GA.43A | BA.46A | 1,5      |
| NM.38LA                                                                            | 38      | 60         | 54         | 65      | 100     | GA.43A | BA.46A | 1,5      |
| NM.41LA                                                                            | 41      | 63         | 54         | 64      | 100     | GA.43A | BA.46A | 1,65     |
| NM.42LA                                                                            | 42      | 65         | 54         | 64      | 100     | GA.43A | BA.46A | 1,65     |
| NM.46LA                                                                            | 46      | 70         | 54         | 63      | 100     | GA.43A | BA.46A | 1,56     |
| NM.50LA                                                                            | 50      | 75         | 54         | 62      | 100     | GA.43A | BA.46A | 1,87     |
| NM.54LA                                                                            | 54      | 80         | 54         | 61      | 100     | GA.43A | BA.46A | 1,78     |
| NM.55LA                                                                            | 55      | 81         | 54         | 60      | 100     | GA.43A | BA.46A | 1,93     |
| NM.58LA                                                                            | 58      | 85         | 54         | 65      | 105     | GA.43A | BA.46A | 2,12     |
| NM.60LA                                                                            | 60      | 87         | 54         | 78      | 120     | GA.43A | BA.46A | 2,18     |
| NM.65LA                                                                            | 65      | 93         | 54         | 80      | 125     | GA.43A | BA.46A | 2,25     |
| NM.70LA                                                                            | 70      | 100        | 54         | 80      | 125     | GA.43A | BA.46A | 2,23     |

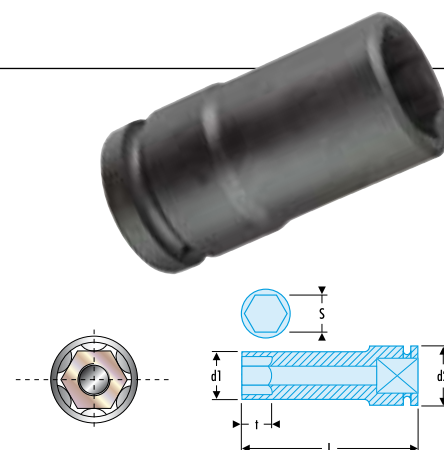


## NMB Long-reach 6-point thin-wall sockets

▷ Performance : to ISO 2725-2, NF ISO 2725-2.

- For your safety, use impact sockets with the appropriate rings and pins.
- Thin wall for better access.
- 6-point convex pattern for increased resilience.

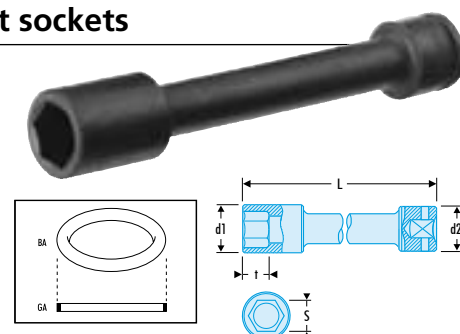
|  | S  | d1 | d2 | t  | L   | GA     | BA     | ΔΔ   |
|-----------------------------------------------------------------------------------|----|----|----|----|-----|--------|--------|------|
| mm                                                                                | mm | mm | mm | mm | mm  |        |        | kg   |
| <b>NMB.24</b>                                                                     | 24 | 38 | 54 | 24 | 108 | GA.43A | BA.46A | 0,94 |
| <b>NMB.27</b>                                                                     | 27 | 42 | 54 | 27 | 108 | GA.43A | BA.46A | 1,00 |
| <b>NMB.30</b>                                                                     | 30 | 46 | 54 | 30 | 108 | GA.43A | BA.46A | 1,04 |
| <b>NMB.32</b>                                                                     | 32 | 48 | 54 | 32 | 108 | GA.43A | BA.46A | 1,04 |
| <b>NMB.33</b>                                                                     | 33 | 49 | 54 | 33 | 108 | GA.43A | BA.46A | 1,05 |
| <b>NMB.36</b>                                                                     | 36 | 53 | 54 | 36 | 108 | GA.43A | BA.46A | 1,08 |
| <b>NMB.46</b>                                                                     | 46 | 66 | 54 | 38 | 108 | GA.43A | BA.46A | 1,48 |
| <b>NMB.50</b>                                                                     | 50 | 74 | 54 | 66 | 108 | GA.43A | BA.46A | 1,48 |



## NM.ELA 1" drive extra-long reach metric 6-point impact sockets

- For your safety, use impact sockets with the appropriate rings and pins.
- E.g. = dual wheels of trucks.

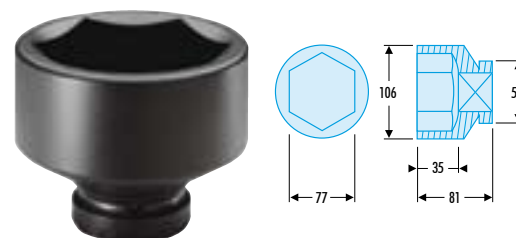
|  | S  | Ø d1 | Ø d2 | t  | L   | GA     | BA     | ΔΔ   |
|-----------------------------------------------------------------------------------|----|------|------|----|-----|--------|--------|------|
| mm                                                                                | mm | mm   | mm   | mm | mm  |        |        | kg   |
| <b>NM.30ELA</b>                                                                   | 30 | 50   | 54   | 30 | 270 | GA.43A | BA.46A | 2,50 |
| <b>NM.32ELA</b>                                                                   | 32 | 52   | 54   | 32 | 270 | GA.43A | BA.46A | 2,56 |
| <b>NM.33ELA</b>                                                                   | 33 | 53   | 54   | 32 | 270 | GA.43A | BA.46A | 2,56 |



## Special "Trailer" 1" drive metric impact socket

### M.77TR

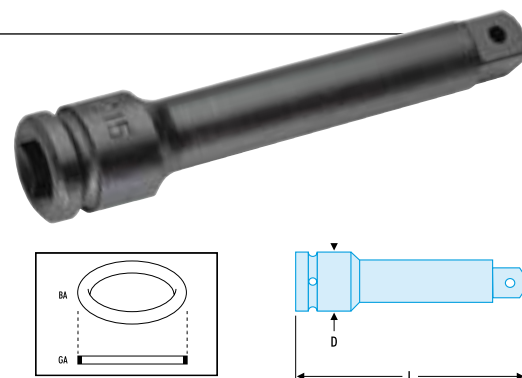
- For your safety, use ring BA.46A and pin GA.43A.
  - For 77 mm 6-point trailer hub nut.
- ΔΔ : 1.96 kg.



## 1" drive impact extensions

- For your safety, use impact extensions with the appropriate rings and pins.

|  | L   | D  | GA     | BA     | ΔΔ  |
|-------------------------------------------------------------------------------------|-----|----|--------|--------|-----|
| mm                                                                                  | mm  | mm |        |        | kg  |
| <b>NM.209A</b>                                                                      | 125 | 54 | GA.43A | BA.46A | 1,2 |
| <b>NM.210A</b>                                                                      | 200 | 54 | GA.43A | BA.46A | 1,6 |
| <b>NM.215A</b>                                                                      | 330 | 54 | GA.43A | BA.46A | 2,5 |

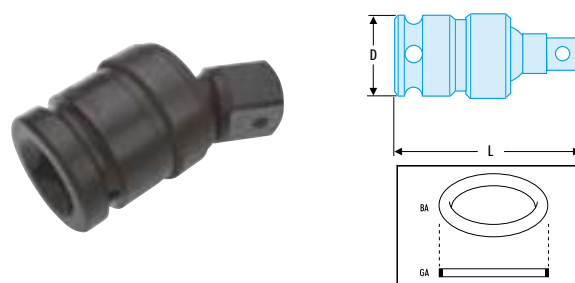


## 1" drive impact universal joint

### NM.240A

- For your safety, use impact universal joints with the appropriate rings and pins.

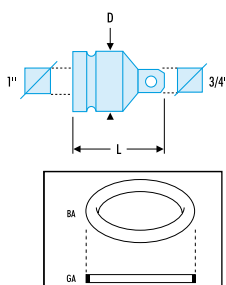
|  | Ø D | L   | GA     | BA     | ΔΔ  |
|-------------------------------------------------------------------------------------|-----|-----|--------|--------|-----|
| mm                                                                                  | mm  | mm  |        |        | kg  |
| <b>NM.240A</b>                                                                      | 54  | 110 | GA.43A | BA.46A | 2,0 |



## 1" to 3/4" impact couplers

- For your safety, use impact couplers with the appropriate rings and pins.

|                | D<br>mm | L<br>mm | GA    | BA    | $\Delta\Delta$<br>kg |
|----------------|---------|---------|-------|-------|----------------------|
| <b>NM.230A</b> | 54      | 75      | GA.38 | BA.36 | 0,54                 |
| <b>NM.231A</b> | 51      | 154     | GA.38 | BA.36 | 1,04                 |

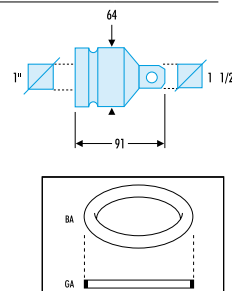


## 1" to 1 1/2" impact coupler

### NM.232A

- For your safety, use impact couplers with the appropriate rings and pins.

|                | GA     | BA     | $\Delta\Delta$<br>kg |
|----------------|--------|--------|----------------------|
| <b>NM.232A</b> | GA.43A | BA.46A | 1,5                  |



## Facom power tools

Facom has a wide range of air and portable electric tools, including impact wrenches, ratchets, screwdrivers, drills, grinders, sanders, power chisels, etc.

See section 14 p. 570

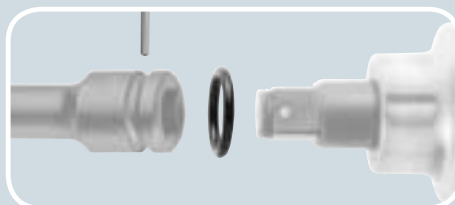


## Impact sockets and accessories 1" 1/2



## Safety first

- For your safety, use impact sockets and accessories with the appropriate rings and pins.
- Never fit chrome-finished manual sockets or accessories to Impact tools.

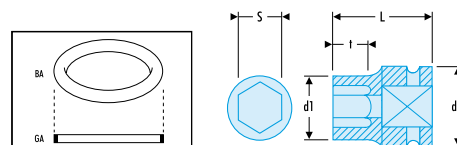


## NG.A 1 1/2" drive metric 6-point impact sockets

Performance : to ISO 2725-2, NF ISO 2725-2.

- For your safety, use impact sockets with the appropriate rings and pins.

|                | S<br>mm | Ø d1<br>mm | Ø d2<br>mm | t<br>mm | L<br>mm | BA     | GA     | $\Delta\Delta$<br>kg |
|----------------|---------|------------|------------|---------|---------|--------|--------|----------------------|
| <b>NG.55A</b>  | 55      | 87         | 86         | 38      | 90      | BA.75A | GA.75A | 2,52                 |
| <b>NG.60A</b>  | 60      | 94         | 86         | 38      | 92      | BA.75A | GA.75A | 2,87                 |
| <b>NG.65A</b>  | 65      | 100        | 86         | 40      | 95      | BA.75A | GA.75A | 3,18                 |
| <b>NG.70A</b>  | 70      | 106        | 86         | 43      | 100     | BA.75A | GA.75A | 3,75                 |
| <b>NG.75A</b>  | 75      | 112        | 86         | 45      | 103     | BA.75A | GA.75A | 3,93                 |
| <b>NG.80A</b>  | 80      | 119        | 86         | 51      | 110     | BA.75A | GA.75A | 4,61                 |
| <b>NG.85A</b>  | 85      | 125        | 86         | 52      | 118     | BA.75A | GA.75A | 5,38                 |
| <b>NG.90A</b>  | 90      | 131        | 86         | 52      | 118     | BA.75A | GA.75A | 5,65                 |
| <b>NG.95A</b>  | 95      | 137        | 95         | 52      | 118     | BA.85A | GA.84A | 6,59                 |
| <b>NG.100A</b> | 100     | 144        | 95         | 59      | 125     | BA.85A | GA.84A | 7,42                 |
| <b>NG.105A</b> | 105     | 150        | 95         | 59      | 125     | BA.85A | GA.84A | 7,83                 |
| <b>NG.110A</b> | 110     | 156        | 95         | 59      | 125     | BA.85A | GA.84A | 8,60                 |
| <b>NG.115A</b> | 115     | 162        | 95         | 67      | 135     | BA.85A | GA.84A | 9,73                 |
| <b>NG.120A</b> | 120     | 169        | 95         | 67      | 135     | BA.85A | GA.84A | 9,48                 |

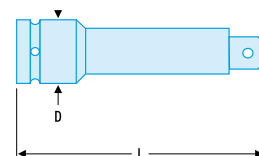
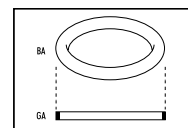




## 1 1/2" drive impact extensions

• For your safety, use impact extensions with the appropriate rings and pins.

|  | L<br>mm | D<br>mm | BA     | GA     | $\Delta\Delta$<br>kg |
|-----------------------------------------------------------------------------------|---------|---------|--------|--------|----------------------|
| <b>NG.210A</b>                                                                    | 250     | 86      | BA.75A | GA.75A | 5,6                  |
| <b>NG.215A</b>                                                                    | 330     | 86      | BA.75A | GA.75A | 6,8                  |

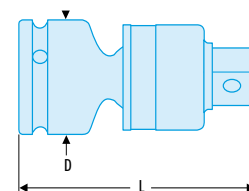
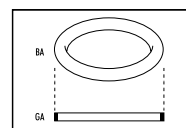


## 1 1/2" drive impact universal joint

### NG.240A

• For your safety, use impact universal joints with the appropriate rings and pins.

|  | L<br>mm | D<br>mm | GA     | BA     | $\Delta\Delta$<br>kg |
|-----------------------------------------------------------------------------------|---------|---------|--------|--------|----------------------|
| <b>NG.240A</b>                                                                    | 181     | 86      | GA.75A | BA.75A | 4,2                  |

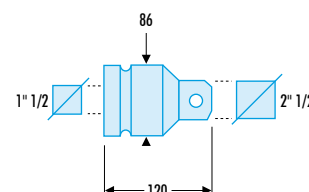
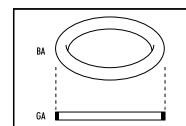


## 1 1/2" to 2 1/2" impact coupler

### NG.232A

• For your safety, use impact universal joints with the appropriate rings and pins.

|  | L<br>mm | D<br>mm | GA     | BA     | $\Delta\Delta$<br>kg |
|-------------------------------------------------------------------------------------|---------|---------|--------|--------|----------------------|
| <b>NG.232A</b>                                                                      | 120     | 86      | GA.75A | BA.75A | 3,9                  |

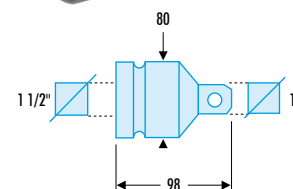
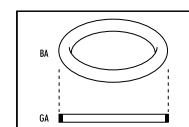


## 1 1/2" to 1" impact coupler

### NG.230A

• For your safety, use impact universal joints with the appropriate rings and pins.

|  | L<br>mm | D<br>mm | GA     | BA     | $\Delta\Delta$<br>kg |
|-------------------------------------------------------------------------------------|---------|---------|--------|--------|----------------------|
| <b>NG.230A</b>                                                                      | 100     | 86      | GA.75A | BA.75A | 2,1665               |



## ▶ 3/4" series

# NK.300

- 

# NK.301AE

- 

## ► 1" series

# NM.300

- 
- Technical drawing of a hand pump. The drawing includes a perspective view on the left and a side view on the right. The side view shows a cylindrical body with a diameter of 125 mm and a height of 140 mm. A horizontal handle is attached to the top, with a total length of 595 mm. The handle has a black grip at the end. The pump body has a black base and a black top cap.


**Impact screwdriver**

- See page
- 366**

