

## 3049X Screwdriver sockets

for tri-square socket head screws (XZN<sup>®</sup>), extra long, DIN 2324, Chrome Alloy Steel, chrome plated.

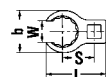


| Code        | size | L <sub>1</sub><br>mm | L <sub>2</sub><br>mm | d<br>mm | g   |   |
|-------------|------|----------------------|----------------------|---------|-----|---|
| 02 26 12 08 | M8   | 120                  | 88                   | 17.8    | 80  | 5 |
| 02 26 12 10 | M10  | 120                  | 88                   | 17.8    | 106 | 5 |

## 440 CROW-RING spanners

AS-drive

Caution! Modified settings on torque wrench (refer to note on page 190). Chrome Alloy Steel, chrome plated.



| Code        | mm                 | "   | L<br>mm | b<br>mm | a<br>mm | S<br>mm | W<br>mm | g   |   |
|-------------|--------------------|-----|---------|---------|---------|---------|---------|-----|---|
| 01 19 00 08 | 8                  | 1/4 | 23.8    | 12.7    | 8       | 12.3    | 6.3     | 11  | 1 |
| 01 19 00 09 | 9                  | 1/4 | 28.5    | 18.2    | 13.5    | 14      | 6.7     | 21  | 1 |
| 01 19 00 10 | 10 <sup>1)</sup>   | 1/4 | 28.4    | 18.2    | 13.5    | 14      | 7.1     | 16  | 1 |
| 01 19 00 11 | 11                 | 1/4 | 28      | 18.2    | 13.5    | 14      | 8.6     | 17  | 1 |
| 01 19 00 12 | 12 <sup>1)</sup>   | 1/4 | 30.8    | 20.6    | 14      | 15.7    | 9       | 20  | 1 |
| 01 19 00 13 | 13                 | 1/4 | 32      | 22.2    | 14      | 16.4    | 10      | 20  | 1 |
| 01 19 00 14 | 14 <sup>1)</sup>   | 1/4 | 31.7    | 22.2    | 14      | 16.4    | 11.1    | 20  | 1 |
| 02 19 00 15 | 15                 | 3/8 | 36.5    | 24.6    | 17.5    | 19.1    | 11.9    | 34  | 1 |
| 02 19 00 16 | 16                 | 3/8 | 36.1    | 24.6    | 17.5    | 19.1    | 13      | 27  | 1 |
| 02 19 00 17 | 17 <sup>2)</sup>   | 3/8 | 39.2    | 27.3    | 17.5    | 20.5    | 14      | 40  | 1 |
| 02 19 00 18 | 18                 | 3/8 | 40.8    | 29      | 18.5    | 21.3    | 14.8    | 45  | 1 |
| 02 19 00 19 | 19 <sup>2)</sup>   | 3/8 | 40.5    | 29      | 18.5    | 21.3    | 15.8    | 40  | 1 |
| 02 19 00 20 | 20                 | 3/8 | 42.9    | 31.3    | 18.5    | 22.5    | 15.8    | 54  | 1 |
| 02 19 00 21 | 21                 | 3/8 | 42.8    | 31.3    | 18.5    | 22.5    | 16.2    | 45  | 1 |
| 02 19 00 22 | 22 <sup>2)</sup>   | 3/8 | 45.3    | 33.5    | 19      | 23.6    | 17      | 57  | 1 |
| 02 19 00 23 | 23                 | 3/8 | 47.5    | 35.7    | 19.5    | 24.6    | 17.5    | 71  | 1 |
| 02 19 00 24 | 24 <sup>2)</sup>   | 3/8 | 47.3    | 35.7    | 19.5    | 24.6    | 18      | 57  | 1 |
| 02 19 00 25 | 25                 | 3/8 | 49.3    | 37.7    | 20      | 25.7    | 19      | 80  | 1 |
| 02 19 00 26 | 26                 | 3/8 | 49.3    | 37.7    | 20      | 25.7    | 19      | 63  | 1 |
| 02 19 00 27 | 27                 | 3/8 | 52.8    | 40      | 21.4    | 28.2    | 20      | 100 | 1 |
| 02 19 10 27 | 27DC <sup>3)</sup> | 3/8 | 57.1    | 42.1    | 15      | 29.3    | 20      | 92  | 1 |
| 03 19 00 28 | 28                 | 1/2 | 56.8    | 42.1    | 22.5    | 29.3    | 21      | 120 | 1 |
| 03 19 00 30 | 30                 | 1/2 | 63      | 48      | 22.5    | 32.5    | 22      | 155 | 1 |
| 03 19 00 32 | 32                 | 1/2 | 62.5    | 48      | 22.5    | 32.5    | 24      | 137 | 1 |
| 03 19 00 34 | 34                 | 1/2 | 64.2    | 50      | 24      | 33.5    | 27      | 148 | 1 |
| 03 19 00 36 | 36                 | 1/2 | 66.5    | 51.9    | 24      | 34.6    | 27      | 150 | 1 |
| 03 19 00 38 | 38                 | 1/2 | 68.1    | 53.9    | 24      | 35.6    | 28.6    | 147 | 1 |
| 03 19 00 40 | 40                 | 1/2 | 71.8    | 57.9    | 24.5    | 37.7    | 31      | 160 | 1 |
| 03 19 00 41 | 41                 | 1/2 | 71.8    | 57.9    | 24.5    | 37.7    | 31      | 169 | 1 |
| 03 19 00 42 | 42                 | 1/2 | 71      | 57.9    | 24.5    | 37.7    | 33.2    | 189 | 1 |
| 03 19 00 46 | 46                 | 1/2 | 77.7    | 64.2    | 26      | 40.9    | 34.1    | 229 | 1 |
| 03 19 00 50 | 50                 | 1/2 | 83.2    | 70.5    | 27.5    | 44.1    | 39.7    | 295 | 1 |

<sup>1)</sup> For union nuts on fuel injection leads on 4-cylinder Mercedes-Benz diesel engines

<sup>2)</sup> For use on suction or pressure lines within expansion valve of air conditioning unit (Mercedes-Benz)

<sup>3)</sup> Slim-line version for setting of electronic injection on 440-HP-engines Mercedes-Benz series OM 442

## 440a CROW-RING spanners

| Code        | "                 | "   | L<br>mm | b<br>mm | a<br>mm | S<br>mm | W<br>mm | g   |   |
|-------------|-------------------|-----|---------|---------|---------|---------|---------|-----|---|
| 01 49 00 24 | 3/8 <sup>1)</sup> | 1/4 | 28.4    | 18.2    | 13.5    | 14      | 7.1     | 14  | 1 |
| 01 49 00 28 | 7/16              | 1/4 | 28      | 18.2    | 13.5    | 14      | 8.6     | 14  | 1 |
| 01 49 00 32 | 1/2               | 1/4 | 30.5    | 20.6    | 14      | 15.7    | 10      | 19  | 1 |
| 01 49 00 34 | 9/16              | 1/4 | 31.7    | 22.2    | 14      | 16.4    | 11.1    | 23  | 1 |
| 02 49 00 36 | 5/8               | 3/8 | 36.5    | 24.6    | 17.5    | 19.1    | 11.9    | 33  | 1 |
| 02 49 00 38 | 11/16             | 3/8 | 39.2    | 27.3    | 17.5    | 20.5    | 14      | 36  | 1 |
| 02 49 00 40 | 3/4               | 3/8 | 40.9    | 29      | 18.5    | 21.3    | 14.2    | 44  | 1 |
| 02 49 00 42 | 13/16             | 3/8 | 42.9    | 31.3    | 18.5    | 22.5    | 15.8    | 51  | 1 |
| 02 49 00 44 | 7/8               | 3/8 | 45.2    | 33.5    | 19      | 23.6    | 17.5    | 62  | 1 |
| 02 49 00 46 | 15/16             | 3/8 | 47.2    | 35.7    | 19.5    | 24.6    | 18.3    | 63  | 1 |
| 02 49 00 48 | 1                 | 3/8 | 49.3    | 37.7    | 20      | 25.7    | 19      | 71  | 1 |
| 02 49 00 50 | 1 1/16            | 3/8 | 52.8    | 40      | 21.4    | 28.2    | 20      | 84  | 1 |
| 03 49 00 52 | 1 1/8             | 1/2 | 56.8    | 42.1    | 22.5    | 29.3    | 21      | 110 | 1 |
| 03 49 00 56 | 1 1/4             | 1/2 | 62.5    | 48      | 22.5    | 32.5    | 23.8    | 137 | 1 |
| 03 49 00 58 | 1 5/16            | 1/2 | 62.3    | 48      | 22.5    | 32.5    | 24.6    | 130 | 1 |
| 03 49 00 60 | 1 3/8             | 1/2 | 64.2    | 50      | 24      | 33.5    | 27      | 138 | 1 |
| 03 49 00 62 | 1 7/16            | 1/2 | 66.5    | 51.9    | 24      | 34.6    | 27      | 143 | 1 |
| 03 49 00 64 | 1 1/2             | 1/2 | 68.1    | 53.9    | 24      | 35.6    | 28.6    | 152 | 1 |
| 03 49 00 65 | 1 9/16            | 1/2 | 70.1    | 55.9    | 24      | 36.7    | 29.4    | 172 | 1 |
| 03 49 00 66 | 1 5/8             | 1/2 | 71.8    | 57.9    | 24.5    | 37.7    | 31      | 169 | 1 |
| 03 49 00 68 | 1 3/4             | 1/2 | 75.6    | 62      | 25.5    | 39.8    | 33.2    | 199 | 1 |
| 03 49 00 69 | 1 13/16           | 1/2 | 77.7    | 64.2    | 26      | 40.9    | 34.1    | 229 | 1 |
| 03 49 00 72 | 2                 | 1/2 | 83.2    | 70.5    | 27.5    | 44.1    | 39.7    | 277 | 1 |
| 03 49 00 76 | 2 1/4             | 1/2 | 91.2    | 78.7    | 29.5    | 48.2    | 42.8    | 337 | 1 |
| 03 49 00 77 | 2 5/16            | 1/2 | 93.3    | 80.9    | 30      | 49.2    | 43.6    | 309 | 1 |
| 03 49 00 78 | 2 3/8             | 1/2 | 95.2    | 83      | 30.5    | 50.2    | 46      | 385 | 1 |

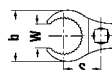
<sup>1)</sup> For Volvo aero-engines, types "JAS"

## 440S MJ CROW-RING spanners

HPQ

Supersedes No 440 MJ

Caution! Modified settings on torque wrench (refer to note on page 190), EN 4108, for pipe unions with straight cylindrical involute toothing, HPQ high performance steel, chrome plated.



| Code        | Threaded<br>nut | mm   | "   | L<br>mm | b<br>mm | a<br>mm | S<br>mm | W<br>mm | g  |   |
|-------------|-----------------|------|-----|---------|---------|---------|---------|---------|----|---|
| 01 21 10 10 | MJ10            | DN04 | 1/4 | 31.9    | 22      | 8       | 17      | 6.5     | 25 | 1 |
| 01 21 10 14 | MJ14            | DN06 | 1/4 | 36.5    | 27      | 8       | 19.5    | 8.5     | 30 | 1 |
| 02 21 10 16 | MJ16            | DN08 | 3/8 | 43.8    | 31      | 8       | 24      | 10.5    | 50 | 1 |
| 02 21 10 18 | MJ18            | DN10 | 3/8 | 45.2    | 33      | 8       | 25      | 13      | 45 | 1 |
| 02 21 10 20 | MJ20            | DN12 | 3/8 | 46.2    | 35      | 8       | 26      | 15      | 50 | 1 |
| 02 21 10 22 | MJ22            | DN14 | 3/8 | 48.4    | 37      | 9       | 27      | 17.5    | 55 | 1 |
| 02 21 10 24 | MJ24            | DN16 | 3/8 | 49.5    | 39      | 9       | 28      | 19.7    | 60 | 1 |
| 02 21 10 27 | MJ27            | DN18 | 3/8 | 54.4    | 44      | 10      | 31      | 21.5    | 75 | 1 |
| 02 21 10 30 | MJ30            | DN20 | 3/8 | 60.8    | 50      | 10      | 36      | 23.7    | 95 | 1 |

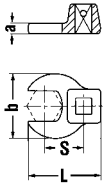
# STAHlwille



Official partner of  
BMW Motorrad Motorsport

## 540 CROW-FOOT spanners

Caution! Modified settings on torque wrench (refer to note on page 190), Chrome Alloy Steel, chrome plated.



| Code     | mm | "   | L mm | b mm | a mm | S mm | g   |   |
|----------|----|-----|------|------|------|------|-----|---|
| 01200008 | 8  | 1/4 | 25.5 | 19.8 | 6.3  | 14.6 | 21  | 1 |
| 01200009 | 9  | 1/4 | 25.5 | 19.8 | 6.3  | 14.6 | 21  | 1 |
| 01200010 | 10 | 1/4 | 25.5 | 19.8 | 6.3  | 14.6 | 20  | 1 |
| 02200011 | 11 | 3/8 | 32   | 22.2 | 6.3  | 17.4 | 36  | 1 |
| 02200012 | 12 | 3/8 | 34.3 | 25.4 | 6.3  | 18.2 | 37  | 1 |
| 02200013 | 13 | 3/8 | 34.3 | 25.4 | 6.3  | 17.8 | 36  | 1 |
| 02200014 | 14 | 3/8 | 37.7 | 30   | 6.3  | 20.8 | 46  | 1 |
| 02200015 | 15 | 3/8 | 37.7 | 30   | 6.3  | 20.4 | 45  | 1 |
| 02200016 | 16 | 3/8 | 37.7 | 30   | 6.3  | 19.9 | 45  | 1 |
| 02200017 | 17 | 3/8 | 42.5 | 38   | 6.3  | 23.8 | 62  | 1 |
| 02200018 | 18 | 3/8 | 42.5 | 38   | 6.3  | 22.9 | 61  | 1 |
| 02200019 | 19 | 3/8 | 42.5 | 38   | 6.3  | 22.4 | 64  | 1 |
| 02200020 | 20 | 3/8 | 42.4 | 38   | 6.3  | 25   | 55  | 1 |
| 02200021 | 21 | 3/8 | 44.5 | 41   | 6.3  | 23.6 | 59  | 1 |
| 02200022 | 22 | 3/8 | 44.5 | 41   | 6.3  | 24.2 | 64  | 1 |
| 02200023 | 23 | 3/8 | 44.5 | 41   | 6.3  | 25.8 | 63  | 1 |
| 02200024 | 24 | 3/8 | 44.4 | 41   | 6.3  | 26.2 | 60  | 1 |
| 02200025 | 25 | 3/8 | 47   | 45   | 8    | 26.4 | 75  | 1 |
| 02200026 | 26 | 3/8 | 47   | 45   | 8    | 27.6 | 80  | 1 |
| 02200027 | 27 | 3/8 | 47   | 45   | 8    | 27.6 | 76  | 1 |
| 02200028 | 28 | 3/8 | 50   | 50   | 8    | 29.3 | 78  | 1 |
| 02200030 | 30 | 3/8 | 50   | 50   | 8    | 29.3 | 84  | 1 |
| 02200032 | 32 | 3/8 | 53   | 57   | 8    | 30.5 | 95  | 1 |
| 02200034 | 34 | 3/8 | 54.5 | 60   | 8    | 31.6 | 107 | 1 |
| 02200036 | 36 | 3/8 | 56.5 | 62   | 8    | 32.8 | 100 | 1 |
| 02200040 | 40 | 3/8 | 63   | 70   | 8    | 37.6 | 130 | 1 |
| 02200041 | 41 | 3/8 | 63   | 70   | 8    | 37.2 | 130 | 1 |
| 02200042 | 42 | 3/8 | 63   | 70   | 8    | 37.7 | 125 | 1 |
| 02200046 | 46 | 3/8 | 72   | 82   | 8    | 43.1 | 191 | 1 |
| 02200050 | 50 | 3/8 | 75   | 88   | 8    | 45.4 | 217 | 1 |



## 540a CROW-FOOT spanners

| Code     | "       | "   | L mm | b mm | a mm | S mm | g   |   |
|----------|---------|-----|------|------|------|------|-----|---|
| 01500024 | 3/8     | 1/4 | 25.5 | 19.8 | 6.3  | 14.6 | 17  | 1 |
| 02500028 | 7/16    | 3/8 | 32   | 22.2 | 6.3  | 17.2 | 34  | 1 |
| 02500032 | 1/2     | 3/8 | 34.3 | 25.4 | 6.3  | 18.1 | 37  | 1 |
| 02500034 | 9/16    | 3/8 | 37.7 | 30   | 6.3  | 20.9 | 40  | 1 |
| 02500036 | 5/8     | 3/8 | 37.7 | 30   | 6.3  | 20.4 | 44  | 1 |
| 02500038 | 11/16   | 3/8 | 42.5 | 38   | 6.3  | 24.1 | 62  | 1 |
| 02500040 | 3/4     | 3/8 | 42.5 | 38   | 6.3  | 24   | 66  | 1 |
| 02500042 | 13/16   | 3/8 | 42.3 | 38   | 6.3  | 24   | 59  | 1 |
| 02500044 | 7/8     | 3/8 | 44.5 | 41   | 6.3  | 25.8 | 65  | 1 |
| 02500048 | 1       | 3/8 | 47   | 45   | 8    | 26.7 | 78  | 1 |
| 02500050 | 1 1/16  | 3/8 | 47   | 45   | 8    | 27.2 | 78  | 1 |
| 02500052 | 1 1/8   | 3/8 | 50   | 50   | 8    | 28.5 | 84  | 1 |
| 02500054 | 1 3/16  | 3/8 | 50   | 50   | 8    | 29.2 | 83  | 1 |
| 02500056 | 1 1/4   | 3/8 | 53   | 57   | 8    | 30.3 | 101 | 1 |
| 02500058 | 1 5/16  | 3/8 | 53   | 57   | 8    | 31.2 | 101 | 1 |
| 02500060 | 1 3/8   | 3/8 | 54.5 | 60   | 8    | 32.3 | 105 | 1 |
| 02500062 | 1 7/16  | 3/8 | 56.5 | 62   | 8    | 33.1 | 107 | 1 |
| 02500064 | 1 1/2   | 3/8 | 58   | 65   | 8    | 34.5 | 118 | 1 |
| 02500065 | 1 9/16  | 3/8 | 59.5 | 68   | 8    | 35.7 | 126 | 1 |
| 02500066 | 1 5/8   | 3/8 | 63   | 70   | 8    | 37.3 | 140 | 1 |
| 02500067 | 1 11/16 | 3/8 | 63   | 70   | 8    | 37.7 | 126 | 1 |
| 02500068 | 1 3/4   | 3/8 | 68   | 76   | 8    | 40.4 | 161 | 1 |
| 02500070 | 1 7/8   | 3/8 | 72   | 82   | 8    | 42   | 205 | 1 |
| 02500072 | 2       | 3/8 | 75   | 88   | 8    | 44.8 | 214 | 1 |
| 02500074 | 2 1/8   | 3/8 | 75.6 | 91   | 10   | 46   | 265 | 1 |
| 02500076 | 2 1/4   | 3/8 | 80.5 | 96   | 10   | 49.5 | 297 | 1 |
| 03500078 | 2 3/8   | 1/2 | 81.5 | 96   | 8    | 51.3 | 214 | 1 |

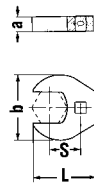
## 540a HD CROW-FOOT spanners Heavy Duty



For particularly high loadings, e.g. stainless steel screw fittings.

Full use of jaws in conjunction with standard ratchets.

Caution! Modified settings on torque wrench (refer to note on page 190), chrome plated. Supplied without ratchet.



| Code     | "       | "   | L mm | b mm | a mm | S mm | g   |   |
|----------|---------|-----|------|------|------|------|-----|---|
| 02501034 | 9/16    | 3/8 | 43.4 | 32   | 11   | 26.8 | 72  | 1 |
| 02501036 | 5/8     | 3/8 | 45   | 34.8 | 11   | 27.7 | 79  | 1 |
| 02501038 | 11/16   | 3/8 | 47.2 | 38   | 11   | 28.6 | 87  | 1 |
| 02501042 | 13/16   | 3/8 | 51   | 46.4 | 11   | 30.5 | 114 | 1 |
| 02501044 | 7/8     | 3/8 | 52   | 48   | 11   | 31.3 | 118 | 1 |
| 02501046 | 15/16   | 3/8 | 54   | 51.2 | 11   | 32.3 | 130 | 1 |
| 02501048 | 1       | 3/8 | 56   | 53.4 | 11   | 33.2 | 137 | 1 |
| 02501050 | 1 1/16  | 3/8 | 57   | 53.8 | 11   | 34.1 | 136 | 1 |
| 02501052 | 1 1/8   | 3/8 | 59   | 53.8 | 11   | 35   | 140 | 1 |
| 02501056 | 1 1/4   | 3/8 | 62   | 60   | 11   | 36.8 | 168 | 1 |
| 02501062 | 1 7/16  | 3/8 | 66.5 | 66   | 11   | 39.6 | 192 | 1 |
| 03501064 | 1 1/2   | 1/2 | 76   | 70   | 16   | 45   | 358 | 1 |
| 03501069 | 1 13/16 | 1/2 | 85   | 84   | 16   | 49.6 | 470 | 1 |
| 03501072 | 2       | 1/2 | 89   | 90   | 16   | 52.3 | 505 | 1 |
| 03501074 | 2 1/8   | 1/2 | 91.5 | 92.8 | 16   | 54.2 | 523 | 1 |
| 03501075 | 2 3/16  | 1/2 | 93   | 96   | 16   | 55.1 | 545 | 1 |
| 03501076 | 2 1/4   | 1/2 | 95   | 99   | 16   | 56   | 568 | 1 |