



## Combination knobs, Disk, Nut cover

Black, RAL 9005   
Dust grey, RAL 7037 

## Covers

(depends on size/type)

Black, RAL 9005   
Red, RAL F12/0-10   
Yellow, RAL F12/0-1   
Green, RAL F12/0-43   
Blue, RAL 5012   
Pebble grey, RAL 7032   
Dust grey, RAL 7037 

## Arrow disk

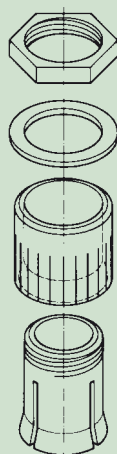
Black, RAL 9005   
Red, RAL F12/0-10   
Dust grey, RAL 7037 

## Dial

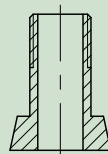
Transparent, bright surface  
with/without symbols 

## Stator

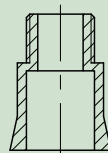
Aluminium,   
marking black



①



②



## THE PRODUCT

The name COMBINATION KNOBS stands for an exceedingly functional range of rotary buttons with a reliable collet fixture system. They offer a versatile range of possible applications as round knobs, wing knobs and spindle-shaped knobs with a large selection of accessories.

## APPLICATIONS

Well-proven for electro-mechanical rotary potentiometers with shaft ends corresponding to DIN 41 591.

Measuring and control technology, heating and air conditioning.

## YOUR ADVANTAGE

Tried and tested collet fixture system. Convenient assembly of knobs from the front, easy adjusting (by means of an adjusting key – see accessory page 18). Tight fitting of knobs on the axis. Sizes 10 and 13 have blind holes and screw fixing. From knob size 23 up, through holes ① (sizes 16 + 20 steppt ②, except for axes 4 mm).

Round, wing and spindle-shaped knobs with the same standardized design and with matt surface.

A large variety of functional accessories, e.g. covers in seven colours and transparent dials. Easy push-on assembly.

We also produce our COMBINATION KNOBS in special colours, moq reserved. Please advise us of the colour and quantity you require.

## MATERIAL

Knobs, covers, arrow disks and nut covers: ABS (UL 94 HB).

Dials: Polycarbonate.

Stator: Al-sheet 0.5 mm  
with self-adhesive film.

Please refer to specifications on page 29.

# COMBINATION KNOBS



## TYPES

| Knob<br>ø | Torque (Nm) |          | ROUND KNOB |                                                                                     | WING KNOB |                                                                                    | SPINDLE-SHAPED KNOB |                                                                                       |
|-----------|-------------|----------|------------|-------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------|
|           | assembly    | function | borehole   |                                                                                     | borehole  |                                                                                    | borehole            |                                                                                       |
| 9         | 0.4         | 0.4      | 4 mm       |    | —         |                                                                                    | —                   |                                                                                       |
| 10        | 0.4         | 0.4      | 3 mm       |    | —         |                                                                                    | —                   |                                                                                       |
|           | 0.4         | 0.4      | 4 mm       |                                                                                     |           |                                                                                    |                     |                                                                                       |
|           | 0.4         | 0.4      | 1/8"       |                                                                                     |           |                                                                                    |                     |                                                                                       |
| 13.5      | 0.5         | 0.5      | 4 mm       |    | —         |  | —                   |                                                                                       |
|           | 0.7         | 0.6      | 6 mm       |                                                                                     | 6 mm      |                                                                                    |                     |                                                                                       |
| 16        | 0.5         | 0.5      | —          |    | —         |  | 3 mm                |    |
|           | 0.6         | 0.5      | 4 mm       |                                                                                     | —         |                                                                                    | 4 mm                |                                                                                       |
|           | 0.8         | 0.7      | 6 mm       |                                                                                     | 6 mm      |                                                                                    | —                   |                                                                                       |
|           | 0.8         | 0.7      | 1/4"       |                                                                                     | —         |                                                                                    | —                   |                                                                                       |
|           |             |          |            |                                                                                     |           |                                                                                    |                     |                                                                                       |
| 20        | 0.8         | 0.7      | 4 mm       |   | —         |                                                                                    | —                   |                                                                                       |
|           | 1.0         | 0.9      | 6 mm       |                                                                                     |           |                                                                                    |                     |                                                                                       |
|           | 1.0         | 0.9      | 1/4"       |                                                                                     |           |                                                                                    |                     |                                                                                       |
| 23        | 1.0         | 0.8      | 4 mm       |  | —         |                                                                                    | 4 mm                |  |
|           | 1.2         | 1.0      | 6 mm       |                                                                                     |           |                                                                                    | 6 mm                |                                                                                       |
|           | 1.2         | 1.0      | 1/4"       |                                                                                     |           |                                                                                    | —                   |                                                                                       |
|           |             |          |            |                                                                                     |           |                                                                                    |                     |                                                                                       |
| 31        | 1.8         | 1.6      | 6 mm       |  | —         |                                                                                    | 6 mm                |  |
|           | 1.8         | 1.6      | 1/4"       |                                                                                     |           |                                                                                    | —                   |                                                                                       |
| 40        | 2.5         | 1.6      | 6 mm       |  | —         |                                                                                    | 6 mm                |  |
|           | 2.8         | 1.8      | 8 mm       |                                                                                     |           |                                                                                    | —                   |                                                                                       |
| 50        | 3.0         | 1.8      | 6 mm       |  | —         |                                                                                    | —                   |                                                                                       |
|           | 3.5         | 2.0      | 8 mm       |                                                                                     |           |                                                                                    |                     |                                                                                       |

COMBINATION KNOBS

## ROUND KNOB

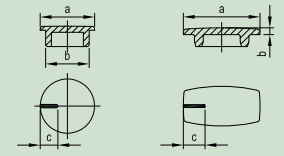
## WING KNOB

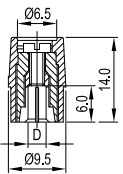
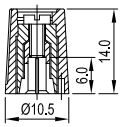
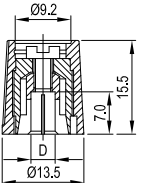
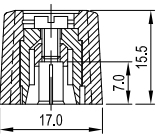
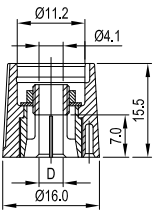
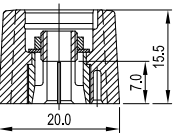
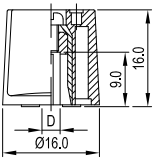
## SPINDLE-SHAPED KNOB

## COVER



...100 = indicator line white, otherwise in black

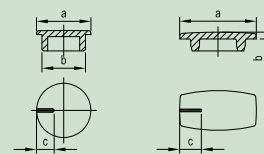


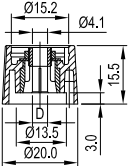
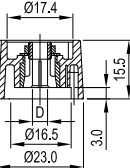
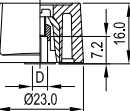
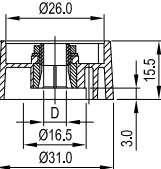
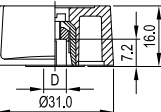
| Knob<br>Ø | Shape                                                                               | Borehole<br>D                                                                          |  |  |  |  | without<br>indicator line       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                       | with<br>indicator line |
|-----------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------|
| 9         |    | ROUND<br>KNOB<br><br>4 mm, with chamfer                                                |                                                                                   | A 26 09 040                                                                       |                                                                                    |                                                                                     | a = 8.0<br>b = 6.5<br>c = 2.6   |  A 41 10 000<br> A 41 10 002<br> A 41 10 004<br> A 41 10 005<br> A 41 10 006<br> A 41 10 007<br> A 41 10 008               | A 41 10 100<br>A 41 10 102<br>A 41 10 104<br>A 41 10 106<br>A 41 10 108                               |                        |
| 10        |    | ROUND<br>KNOB<br><br>3 mm, with chamfer<br>1/8", with chamfer<br>4 mm, with chamfer    | A 25 10 030<br>A 25 10 320<br>A 25 10 040                                         | A 26 10 030<br>A 26 10 320<br>A 26 10 040                                         | A 25 10 038<br><br>A 25 10 048                                                     | A 26 10 038<br><br>A 26 10 048                                                      |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                       |                        |
| 13.5      |   | ROUND<br>KNOB<br><br>4 mm, with chamfer<br>6 mm, with chamfer                          | A 25 13 040<br>A 25 13 060                                                        | A 26 13 040<br>A 26 13 060                                                        | A 25 13 048<br>A 25 13 068                                                         | A 26 13 048<br>A 26 13 068                                                          | a = 11.2<br>b = 9.2<br>c = 3.0  |  A 41 13 000<br> A 41 13 002<br> A 41 13 004<br> A 41 13 005<br> A 41 13 006<br> A 41 13 007<br> A 41 13 008      | A 41 13 100<br>A 41 13 102<br>A 41 13 104<br>A 41 13 105<br>A 41 13 106<br>A 41 13 107<br>A 41 13 108 |                        |
|           |  | WING<br>KNOB<br><br>6 mm, with chamfer                                                 |                                                                                   | A 28 13 060                                                                       |                                                                                    |                                                                                     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                       |                        |
| 16        |  | ROUND<br>KNOB<br><br>4 mm, without chamfer<br>6 mm, with chamfer<br>1/4", with chamfer | A 25 16 040<br>A 25 16 060<br>A 25 16 630                                         | A 26 16 040<br>A 26 16 060<br>A 26 16 630                                         | A 25 16 068<br>A 25 16 638                                                         | A 26 16 068                                                                         | a = 13.5<br>b = 11.2<br>c = 4.0 |  A 41 16 000<br> A 41 16 002<br> A 41 16 004<br> A 41 16 005<br> A 41 16 006<br> A 41 16 007<br> A 41 16 008 | A 41 16 100<br>A 41 16 102<br>A 41 16 106<br>A 41 16 107<br>A 41 16 108                               |                        |
|           |  | WING<br>KNOB<br><br>6 mm, with chamfer                                                 |                                                                                   | A 28 16 060                                                                       |                                                                                    |                                                                                     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                       |                        |
|           |  | SPINDLE-<br>SHAPED<br>KNOB<br><br>3 mm, with chamfer<br>4 mm, with chamfer             | A 23 16 040                                                                       | A 24 16 030<br>A 24 16 040                                                        |                                                                                    | A 24 16 048                                                                         | a = 14.0<br>b = 1.2<br>c = 4.0  |  A 50 16 000<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | A 50 16 100<br>A 50 16 108                                                                            |                        |

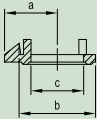
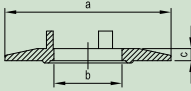
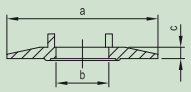
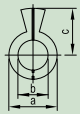
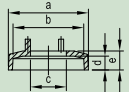
## COMBINATION KNOBS

**ROUND KNOB**
**WING KNOB**
**SPINDLE-SHAPED KNOB**
**COVER**


...100 = indication line white, otherwise in black

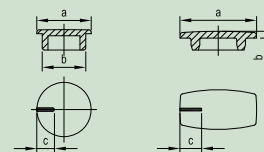


| Knob<br>Ø | Shape                                                                                                                      | Borehole<br>D         |  |  |  |                |                                 | without<br>indication line                                                                        | with<br>indication line |
|-----------|----------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------------------------------------------------|-------------------------|
| 20        | <br><b>ROUND<br/>KNOB</b>                 | 4 mm, without chamfer | A 25 20 040                                                                       | A 26 20 040                                                                       |                                                                                    |                                                                                                   | a = 17.5<br>b = 15.2<br>c = 5.5 |  A 41 20 000   | A 41 20 100             |
|           |                                                                                                                            | 6 mm, with chamfer    | A 25 20 060                                                                       | A 26 20 060                                                                       | A 25 20 068                                                                        | A 26 20 068                                                                                       |                                 |  A 41 20 002   | A 41 20 102             |
|           |                                                                                                                            | 1/4", with chamfer    | A 25 20 630                                                                       |                                                                                   |                                                                                    |                                                                                                   |                                 |  A 41 20 004   | A 41 20 104             |
|           |                                                                                                                            |                       |                                                                                   |                                                                                   |                                                                                    |                                                                                                   |                                 |  A 41 20 005   |                         |
| 23        | <br><b>ROUND<br/>KNOB</b>               | 4 mm, without chamfer | A 25 23 040                                                                       | A 26 23 040                                                                       |                                                                                    |                                                                                                   | a = 20.4<br>b = 17.4<br>c = 6.5 |  A 41 23 000   | A 41 23 100             |
|           |                                                                                                                            | 6 mm, without chamfer | A 25 23 060                                                                       | A 26 23 060                                                                       | A 25 23 068                                                                        | A 26 23 068                                                                                       |                                 |  A 41 23 002   | A 41 23 102             |
|           |                                                                                                                            | 1/4", without chamfer | A 25 23 630                                                                       |                                                                                   | A 25 23 638                                                                        |                                                                                                   |                                 |  A 41 23 004  |                         |
|           |                                                                                                                            |                       |                                                                                   |                                                                                   |                                                                                    |  A 41 23 006 |                                 | A 41 23 106                                                                                       |                         |
|           |                                                                                                                            |                       |                                                                                   |                                                                                   |                                                                                    |  A 41 23 007 |                                 | A 41 23 107                                                                                       |                         |
|           |                                                                                                                            |                       |                                                                                   |                                                                                   |                                                                                    |  A 41 23 008 |                                 | A 41 23 108                                                                                       |                         |
|           | <br><b>SPINDLE-<br/>SHAPED<br/>KNOB</b> | 4 mm, with chamfer    |                                                                                   | A 24 23 040                                                                       |                                                                                    |                                                                                                   | a = 20.9<br>b = 1.2<br>c = 6.5  |  A 50 23 000 | A 50 23 100             |
|           |                                                                                                                            | 6 mm, with chamfer    |                                                                                   | A 24 23 060                                                                       |                                                                                    | A 24 23 068                                                                                       |                                 |  A 50 23 008 | A 50 23 108             |
|           |                                                                                                                            |                       |                                                                                   |                                                                                   |                                                                                    |                                                                                                   |                                 |                                                                                                   |                         |
|           |                                                                                                                            |                       |                                                                                   |                                                                                   |                                                                                    |                                                                                                   |                                 |                                                                                                   |                         |
|           |                                                                                                                            |                       |                                                                                   |                                                                                   |                                                                                    |                                                                                                   |                                 |                                                                                                   |                         |
|           |                                                                                                                            |                       |                                                                                   |                                                                                   |                                                                                    |                                                                                                   |                                 |                                                                                                   |                         |
| 31        | <br><b>ROUND<br/>KNOB</b>               | 6 mm, without chamfer | A 25 31 060                                                                       | A 26 31 060                                                                       | A 25 31 068                                                                        | A 26 31 068                                                                                       | a = 28.4<br>b = 26.0<br>c = 9.0 |  A 41 31 000 | A 41 31 100             |
|           |                                                                                                                            | 1/4", without chamfer | A 25 31 630                                                                       |                                                                                   |                                                                                    |                                                                                                   |                                 |  A 41 31 002 | A 41 31 102             |
|           |                                                                                                                            |                       |                                                                                   |                                                                                   |                                                                                    |                                                                                                   |                                 |  A 41 31 005 |                         |
|           |                                                                                                                            |                       |                                                                                   |                                                                                   |                                                                                    |                                                                                                   |                                 |  A 41 31 006 |                         |
|           |                                                                                                                            |                       |                                                                                   |                                                                                   |                                                                                    |                                                                                                   |                                 |  A 41 31 007 |                         |
|           |                                                                                                                            |                       |                                                                                   |                                                                                   |                                                                                    |                                                                                                   |                                 |  A 41 31 008 | A 41 31 108             |
|           | <br><b>SPINDLE-<br/>SHAPED<br/>KNOB</b> | 6 mm, with chamfer    |                                                                                   | A 24 31 060                                                                       |                                                                                    | A 24 31 068                                                                                       | a = 29.0<br>b = 1.4<br>c = 9.5  |  A 50 31 000 | A 50 31 100             |
|           |                                                                                                                            |                       |                                                                                   |                                                                                   |                                                                                    |                                                                                                   |                                 |  A 50 31 008 | A 50 31 107             |
|           |                                                                                                                            |                       |                                                                                   |                                                                                   |                                                                                    |                                                                                                   |                                 |                                                                                                   |                         |
|           |                                                                                                                            |                       |                                                                                   |                                                                                   |                                                                                    |                                                                                                   |                                 |                                                                                                   |                         |
|           |                                                                                                                            |                       |                                                                                   |                                                                                   |                                                                                    |                                                                                                   |                                 |                                                                                                   |                         |
|           |                                                                                                                            |                       |                                                                                   |                                                                                   |                                                                                    |                                                                                                   |                                 |                                                                                                   |                         |

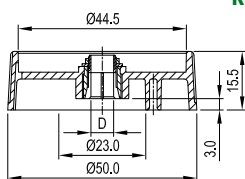
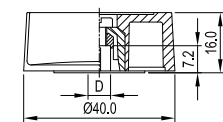
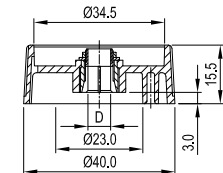
| ARROW DISK                                                                       |                                                                                                                                                                                                                                                                   |                                           | DISK                                                                                                                |                                                                                     |                            | DIAL                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                       |                                                          | STATOR                                                                                                      |             |                                                        | NUT COVER                                                                                                                                                                      |                            |  |
|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--|
|  |                                                                                                                                                                                                                                                                   |                                           | ...010 = indication line white<br> |                                                                                     |                            | ...0 = symbols black<br>...9 = symbols silver<br> |                                                                                                                                                                                                                                                                                                                                                       |                                                          | indication line black<br> |             |                                                        |                                                                                             |                            |  |
|                                                                                  |                                                                                                                                                                                                                                                                   |                                           |                                    |                                                                                     |                            |                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                       |                                                          |                                                                                                             |             |                                                        |                                                                                             |                            |  |
| a = 13.0<br>b = 20.0<br>c = 12.0                                                 | <br><br>       | A 42 20 000<br>A 42 20 002<br>A 42 20 008 |                                                                                                                     |                                                                                     |                            | a = 36.0<br>b = 12.0<br>c = 1.5                                                                                                    | <br><br>                                                                                           | A 44 20 001<br>A 44 20 010<br>A 44 20 060                | a=20.0<br>b=10.1<br>c=18.0                                                                                  | A 60 20 019 |                                                        |                                                                                                                                                                                |                            |  |
| a = 14.3<br>b = 23.0<br>c = 16.5                                                 | <br><br>    | A 42 23 000<br>A 42 23 002<br>A 42 23 008 | a = 31.0<br>b = 16.5<br>c = 1.3                                                                                     |    | A 73 23 010                | a = 40.0<br>b = 16.3<br>c = 1.3                                                                                                    | <br><br><br> | A 44 23 010<br>A 44 23 020<br>A 44 23 039<br>A 44 23 060 | a=23.0<br>b=10.2<br>c=20.0                                                                                  | A 60 23 019 |                                                        |                                                                                                                                                                                |                            |  |
|                                                                                  |                                                                                                                                                                                                                                                                   |                                           |                                                                                                                     |                                                                                     |                            |                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                       |                                                          |                                                                                                             |             | a = 23.3<br>b = 20.0<br>c = 13.7<br>d = 3.3<br>e = 4.3 | <br> | A 51 23 000<br>A 51 23 008 |  |
| a = 19.5<br>b = 31.0<br>c = 16.5                                                 | <br><br> | A 42 31 000<br>A 42 31 002<br>A 42 31 008 | a = 40.0<br>b = 16.5<br>c = 1.6                                                                                     |  | A 73 31 000<br>A 73 31 010 | a = 49.9<br>b = 16.5<br>c = 1.5                                                                                                    | <br>                                                                                                                                                                            | A 44 31 010<br>A 44 31 060                               |                                                                                                             |             |                                                        |                                                                                                                                                                                |                            |  |
|                                                                                  |                                                                                                                                                                                                                                                                   |                                           |                                                                                                                     |                                                                                     |                            |                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                       |                                                          |                                                                                                             |             | a = 31.1<br>b = 28.0<br>c = 15.5<br>d = 3.3<br>e = 4.8 | <br> | A 51 31 000<br>A 51 31 008 |  |

**ROUND KNOB**
**SPINDLE-SHAPED KNOB**
**COVER**


...100 = indication line white, otherwise in black



| Knob<br>Ø | Shape                      | Borehole<br>D                                  |                            |             |             |             |                                  | without<br>indication line                               | with<br>indication line    |
|-----------|----------------------------|------------------------------------------------|----------------------------|-------------|-------------|-------------|----------------------------------|----------------------------------------------------------|----------------------------|
| 40        | <b>ROUND KNOB</b>          | 6 mm, without chamfer<br>8 mm, without chamfer | A 25 40 060<br>A 25 40 080 | A 26 40 060 | A 25 40 068 | A 26 40 068 | a = 37.4<br>b = 34.4<br>c = 12.5 | A 41 40 000<br>A 41 40 002<br>A 41 40 007<br>A 41 40 008 | A 41 40 100                |
|           | <b>SPINDLE-SHAPED KNOB</b> | 6 mm, with chamfer                             |                            | A 24 40 060 |             | A 24 40 068 | a = 37.9<br>b = 1.6<br>c = 13.0  | A 50 40 000<br>A 50 40 008                               | A 50 40 100<br>A 50 40 108 |
| 50        | <b>ROUND KNOB</b>          | 6 mm, without chamfer                          | A 25 50 060                | A 26 50 060 | A 25 50 068 |             | a = 47.4<br>b = 44.4<br>c = 14.5 | A 41 50 000<br>A 41 50 008                               | A 41 50 100<br>A 41 50 107 |



| ARROW DISK                                |  | DISK                                     |  | DIAL |  | STATOR |  | NUT COVER |  |
|-------------------------------------------|--|------------------------------------------|--|------|--|--------|--|-----------|--|
|                                           |  | <p>...010 = indication line white</p>    |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
| <p>a = 24.5<br/>b = 40.0<br/>c = 25.0</p> |  | <p>a = 50.1<br/>b = 24.0<br/>c = 1.8</p> |  |      |  |        |  |           |  |
| A 42 40 000                               |  | A 73 40 010                              |  |      |  |        |  |           |  |
| A 42 40 008                               |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  |           |  |
|                                           |  |                                          |  |      |  |        |  | </        |  |

**FOR ROUND KNOBS / WING KNOBS / SPINDLE-SHAPED KNOBS / COM-KNOBS**

| Part-No.                                                                                                           | Article                    | Version / Application                                                                                                                                                                         | Dim. in mm | Picture |
|--------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|
| A 61 16 010                                                                                                        | Locking device with stator | For round knobs and wing knobs size 16 with dial only.<br>Transparent, marking black.                                                                                                         |            |         |
| A 61 00 000                                                                                                        | Locking device             | For universal use of round knobs, wing knobs and COM-KNOBS with dial.                                                                                                                         |            |         |
| Round knobs $\phi$<br>$D_1$ $D_2$ $D_3$<br>A 64 02 005   10   13.5   16<br>A 64 03 005   20   23   31              | Adjusting key              | For correct adjusting of combination knobs (round knobs) with indicator line, dial and arrow disk. Knob mounting without difficulties.                                                        |            |         |
| G $\phi$<br>A 62 07 009   M 7 x 0.75   13.5<br>A 62 10 009   M 10 x 0.75   12.5<br>A 62 95 009   3/8" - 32G   12.5 | Round nut                  | For mounting of potentiometer at front panels. It fits under knob and nut cover (round knobs / wing knobs / spindle-shaped knobs / COM-KNOBS $\phi$ 10 / 13.5 / 16 / 20 / 23 / 31 / 40 / 50). |            |         |
| A 63 00 000                                                                                                        | Spanner                    | For tightening round nuts.                                                                                                                                                                    |            |         |
| Bore<br>A 66 00 064   6 / 4.6                                                                                      | Torsion protection         | For torsion-proved mounting of knobs on profiled axes 6 / 4.6 mm. Suitable for round and wing knobs sizes $\phi$ 20 to 50 with 6 mm borehole (not suitable for COM-KNOBS).                    |            |         |