



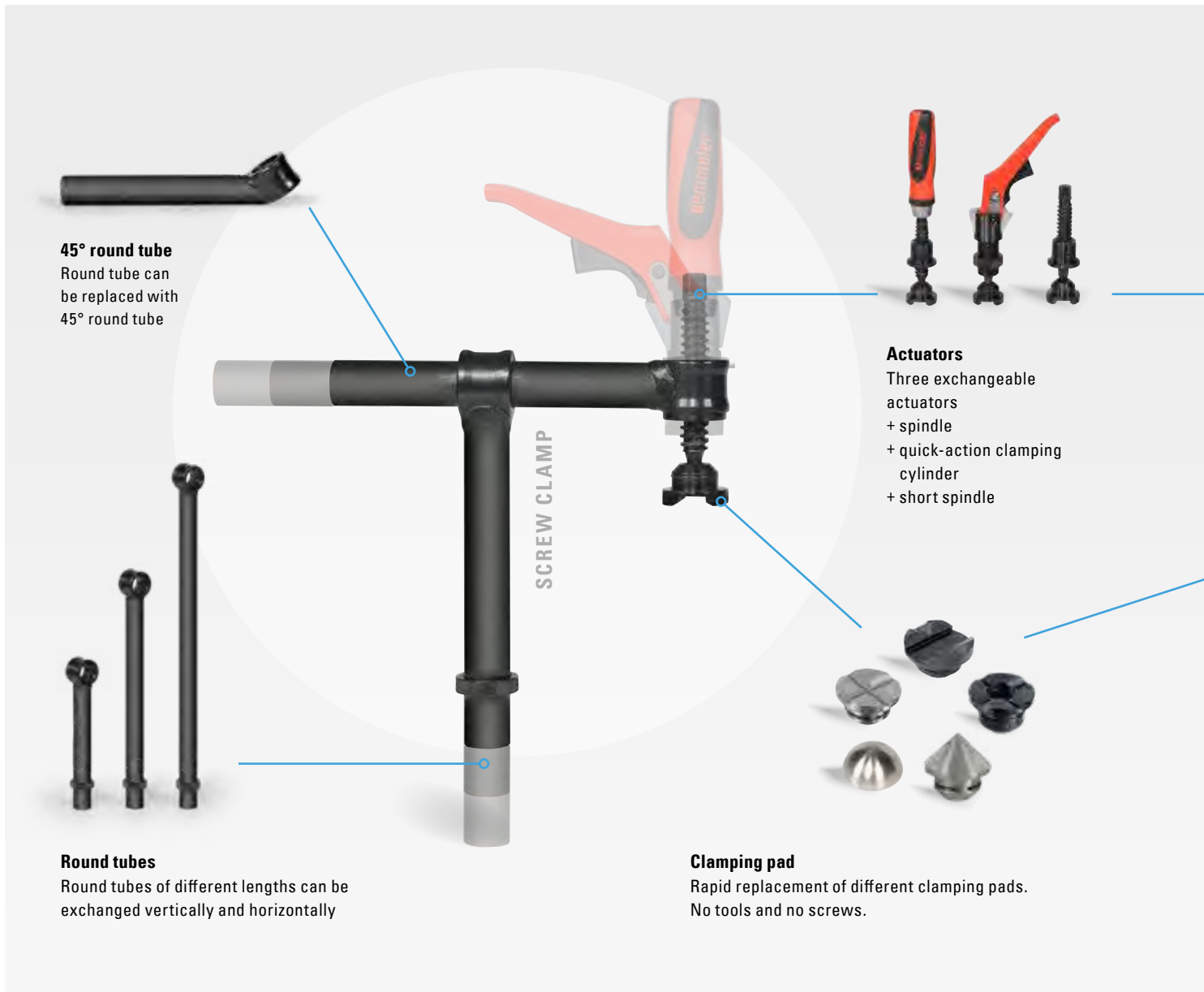
# DEMMELE® clamps

|                                                                    |     |
|--------------------------------------------------------------------|-----|
| Overview of clamps                                                 | 194 |
| Product benefits of the performance screw clamp                    | 200 |
| Quick-release toggle clamp, pneumatic toggle clamp and accessories | 222 |

| D28                                                                                   |                                                                 | D22                                                                                   |                                             | D16                                                                                   |                                             |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------|
|      | <b>Compensating screw clamp</b><br>page 196                     |      | <b>Screw clamp 180°</b><br>page 202         |    | <b>Compensating screw clamp</b><br>page 199 |
|    | <b>Compensating clamping arm with short spindle</b><br>page 197 |    | <b>Variable screw clamp 90°</b><br>page 205 |  | <b>Screw clamp 180°</b><br>page 203         |
|  | <b>Screw clamp 180°</b><br>page 204                             |    | <b>Variable screw clamp 45°</b><br>page 207 |  | <b>Variable screw clamp 45°</b><br>page 208 |
|    | <b>Multi-clamping and support tower</b><br>page 197             |  | <b>Variable screw clamp 90°</b><br>page 205 |  | <b>Variable screw clamp 45°</b><br>page 209 |
|    | <b>Performance screw clamp</b><br>page 201                      |    | <b>Accessories</b><br>from page 210         |  | <b>Accessories</b><br>from page 210         |
|                                                                                       |                                                                 |                                                                                       |                                             |  | <b>Accessories</b><br>from page 210         |

## Flexible down to the details

Configure your clamp – from the length of the round tubes and the actuator through to the choice of the clamping pad



### Clamping pad: The right support for every workpiece



**Pressure and support pieces with V-block**  
Clamping of round/rectangular tubes



**Clamping pad with spherical shape**  
Clamping of corner profiles



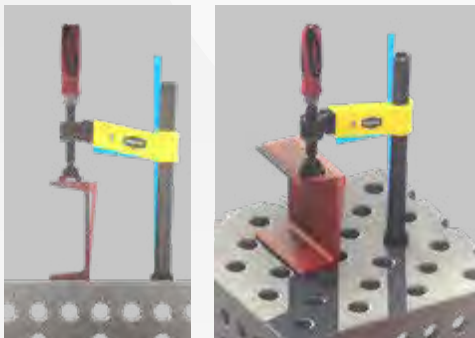
Thanks to the modular design, the clamps also adapt perfectly to different clamping situations. Choose from various materials for the clamping pad and different spindle lengths, also for small installation spaces. The latch lever makes quick and precise clamping possible using one hand. With three different tube lengths and exchangeable arms, you can handle any clamping task.

**Compatibility with screw clamps and compensating screw clamps:**  
The actuators and clamping pads can be used on both clamps



**Arm length**  
Exchangeable arm length

**Difference equalisation**



Difference equalisation stops the workpiece tipping

COMPENSATING SCREW CLAMP



**Round tubes**  
Round tubes of different lengths  
can be exchanged vertically



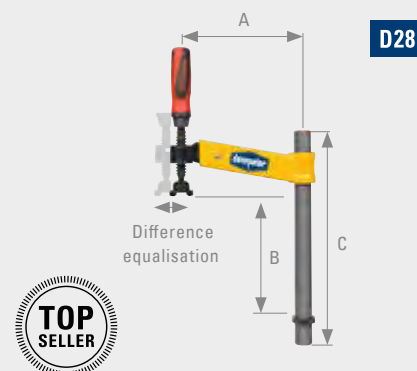
**Pressure and support  
pieces with taper**  
Clamping of tubes with  
a diameter of 10–58 mm



**Adjusting spindle**  
Clamping in hard-to-reach  
positions

## Compensating screw clamp D28

- For fast, powerful and accurately positioned clamping of many different workpieces
- For profiles that tend to tip
- With difference equalisation for accurately oriented and positioned workpiece clamping
- With adjusting ring for setting the required height
- Exchangeable actuator (e.g. spindle, short spindle or quick-action clamping cylinder)
- Clamping pad can be exchanged for clamping other materials such as stainless steel
- Clamping pad as standard – added value for your screw clamps
- Exchangeable clamping tubes, available in different lengths



### Compensating screw clamp D28 with spindle

**D28**



| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 150     | Max. 280               | 350     | 2,62                 | D28-07001-000 |
| 200     | Max. 280               | 350     | 2,88                 | D28-07002-000 |

### Compensating screw clamp D28 with quick-action clamping cylinder

**D28**



- Up to 5x faster clamping than with conventional screw clamps
- High clamping forces quickly and with little effort
- 360° swivelling lever avoids interfering edges
- Large clamping stroke: 9 mm

| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 150     | Max. 280               | 350     | 2,92                 | D28-07001-001 |
| 200     | Max. 280               | 350     | 3,12                 | D28-07002-001 |

### Compensating screw clamp D28 with short spindle

**D28**



- Operation with open-ended spanner WAF 13
- Highly recommended for confined spaces

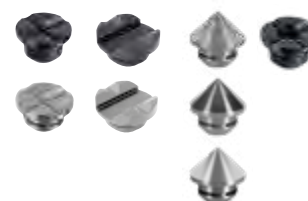
| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 150     | Max. 280               | 350     | 2,54                 | D28-07001-002 |
| 200     | Max. 280               | 350     | 2,74                 | D28-07002-002 |

### Compatible system accessories

**Exchangeable actuators**  
See page 210 onwards



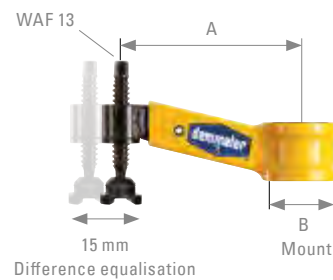
**Exchangeable taper and V-block holders**  
See page 212 onwards





## Compensating clamping arm with short spindle for heavy workpieces

- With difference equalisation for distortion-free workpiece clamping
- Used in combination with multi-clamping and support tower
- Very heavy-duty design
- Suitable for pre-tensioning heavy workpieces
- Fast and secure clamping
- Large adjustment range through combination with multi-clamping and support tower
- Clamping force approx. 20 kN
- Powder-coated



**D28**

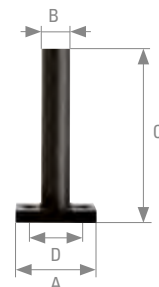
### Compensating clamping arm D28 with short spindle



| A in mm | B in mm | Approx. weight in kg | Item no.      |
|---------|---------|----------------------|---------------|
| 180     | 55      | 2,26                 | D28-05007-000 |

## Multi-clamping and support tower

- For compensating clamping arm with short spindle
- Bolts to the table
- Very sturdy design
- Can be combined with other system components, such as stops, thanks to the system bore



**D28**

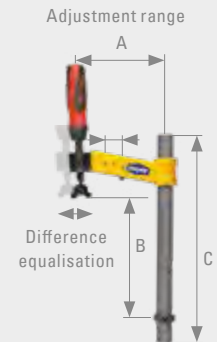
### Multi-clamping and support tower D28



| A in mm | B in mm | C in mm | D in mm | Approx. weight in kg | Item no.      |
|---------|---------|---------|---------|----------------------|---------------|
| 150     | 55      | 200     | 100     | 4,00                 | D28-05004-003 |
| 150     | 55      | 350     | 100     | 5,30                 | D28-05004-000 |
| 150     | 55      | 700     | 100     | 8,38                 | D28-05005-000 |
| 150     | 55      | 1000    | 100     | 11,00                | D28-05006-000 |

## Compensating screw clamp D22

- For fast, powerful and accurately positioned clamping of many different workpieces
- For profiles that tend to tip
- With difference equalisation for accurately oriented and positioned workpiece clamping
- With adjusting ring for setting the required height
- Exchangeable actuator (e.g. spindle, short spindle or quick-action clamping cylinder)
- Clamping pad as standard – added value for your screw clamps



**D22**

### Compensating screw clamp D22 with spindle

**D22**



| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 125-150 | Max. 210               | 300     | 1,5                  | D22-07001-000 |

### Compensating screw clamp D22 with quick-action clamping cylinder

**D22**



- Up to 5x faster clamping than with conventional screw clamps
- High clamping forces quickly and with little effort
- 360° swivelling lever avoids interfering edges
- Large clamping stroke

| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 125-150 | Max. 210               | 300     | 1,8                  | D22-07001-001 |

### Compensating screw clamp D22 with short spindle

**D22**



- Operation with open-ended spanner WAF 10
- Highly recommended for confined spaces

| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 125-150 | Max. 210               | 300     | 1,3                  | D22-07001-002 |

## Compatible system accessories

**Exchangeable actuators**  
See page 210 onwards

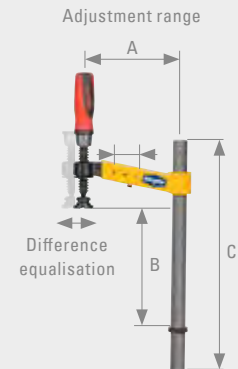


**Clamping pad can be exchanged for a V-block**  
See page 212



## Compensating screw clamp D16

- For fast, powerful and accurately positioned clamping of many different workpieces
- For profiles that tend to tip
- With difference equalisation for accurately oriented and positioned workpiece clamping
- With adjusting ring for setting the required height
- Exchangeable actuator (e.g. spindle, short spindle or quick-action clamping cylinder)
- Clamping pad can be exchanged for clamping other materials such as stainless steel
- Clamping pad as standard – added value for your screw clamps
- Exchangeable clamping tubes, available in different lengths



**D16**

### Compensating screw clamp D16 with spindle

**D16**



| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 100-125 | Max. 200               | 250     | 0,66                 | D16-07001-000 |

### Compensating screw clamp D16 with quick-action clamping cylinder

**D16**



- Up to 5x faster clamping than with conventional screw clamps
- High clamping forces quickly and with little effort
- 360° swivelling lever avoids interfering edges
- Large clamping stroke: 3.5 mm

| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 100-125 | Max. 200               | 250     | 0,68                 | D16-07001-001 |

### Compensating screw clamp D16 with short spindle

**D16**



- Operation with open-ended spanner WAF 14
- Highly recommended for confined spaces

| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 100-125 | Max. 200               | 250     | 0,6                  | D16-07001-002 |

## Compatible system accessories

### Exchangeable actuators

See page 210 onwards



### Exchangeable spherical and V-block holders

See page 212 onwards





**NEW DESIGN**

## HIGH PERFORMANCE – perfect handling with the **DEMMELE® performance screw clamp**

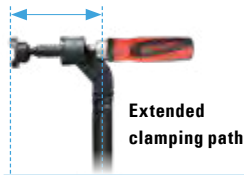
Continuous swivelling. Rotation through 360°. Universal applications made easy!



Clamping spindle can be adjusted over 130 mm by rotating the retaining tube

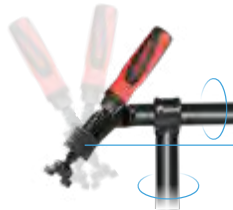


Reduced clamping path



Extended clamping path

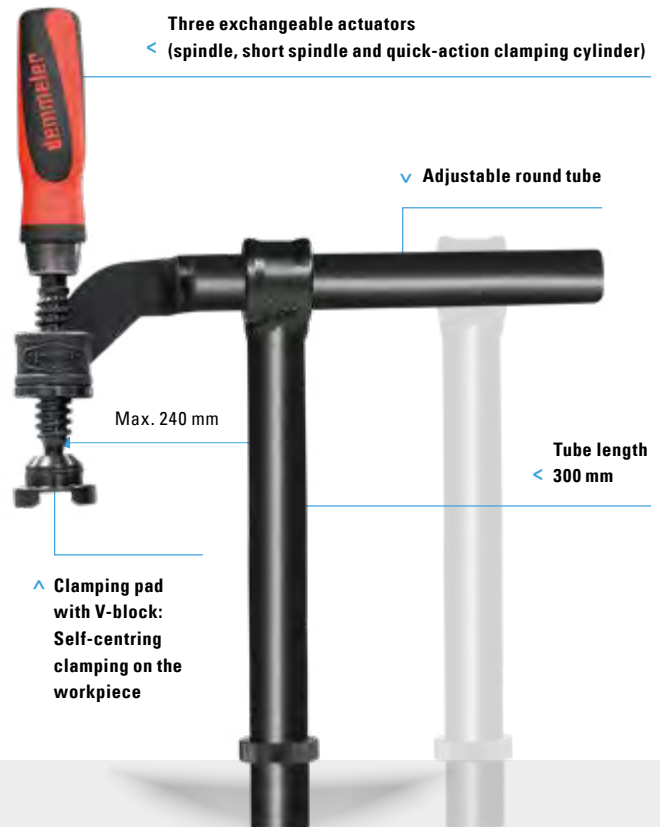
Continuous swivelling and 360° rotating



Can be folded together flat



Three exchangeable actuators  
(spindle, short spindle and quick-action clamping cylinder)



Adjustable round tube

Max. 240 mm

Tube length  
< 300 mm

Clamping pad with V-block:  
Self-centring clamping on the workpiece



Spindle with bushing and clamping pad  
Item no.: D28-07020-000



Short spindle with bushing and clamping pad  
Item no.: D28-07022-000



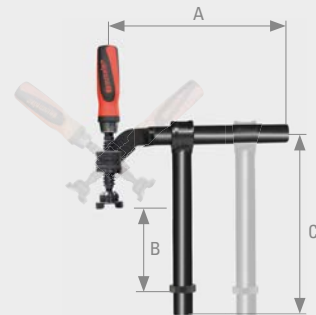
Quick-action clamping cylinder with clamping pad  
Item no.: D28-07021-004

Exchangeable spindle and quick-action clamping cylinder

Flexible down to the details. Thanks to its modular design, the performance screw clamp adapts perfectly to different clamping situations. The ability to continuously swivel and rotate through  $\pm 360^\circ$  makes it possible to clamp round and rectangular workpieces horizontally/vertically and diagonally. Depending on the shape and characteristics of the item to be clamped, other pressure and support pieces are available for high-speed changeovers.

## Performance screw clamp D28

- Universally usable for the horizontal/vertical and diagonal clamping of workpieces
- Continuous swivelling and 360° rotating
- Adjustment range of clamping spindle over 130 mm by rotating the retaining tube without having to move the clamp (previous version: 68 mm)
- Can be folded together flat (less storage space required)
- With three exchangeable actuators (spindle, short spindle and quick-action clamping cylinder)



**D28**

### Performance screw clamp D28 with spindle

**D28**



| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 240     | Max. 250               | 270     | 2,9                  | D28-07009-033 |
| 240     | Max. 330               | 350     | 3,2                  | D28-07009-048 |
| 240     | Max. 480               | 500     | 3,6                  | D28-07009-049 |

### Performance screw clamp D28 with quick-action clamping cylinder

**D28**



| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 240     | Max. 250               | 270     | 2,6                  | D28-07009-035 |
| 240     | Max. 330               | 350     | 2,9                  | D28-07009-050 |
| 240     | Max. 480               | 500     | 3,4                  | D28-07009-051 |

### Performance screw clamp D28 with short spindle

**D28**



| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 240     | Max. 250               | 270     | 2,2                  | D28-07009-034 |
| 240     | Max. 330               | 350     | 2,5                  | D28-07009-053 |
| 240     | Max. 480               | 500     | 3,0                  | D28-07009-054 |

### Typical potential applications



**Confined spaces.** The DEMMELE® performance screw clamp allows simple clamping even in hard-to-reach places. At the same time, the clamping pad with V-block ensures central force distribution.



**Accurately positioned clamping.** The performance screw clamp always provides a secure hold, even when workpieces are clamped at an angle. With continuous swivelling and 360° rotation, it adapts to every clamping situation.



**Extended adjustment range.** Thanks to the new shape, it is possible to clamp nearby workpieces as well as workpieces at a greater distance from the next system bore without any hassle.

Screw clamp 180° D28

- With adjustable, robust round tube
- Each tube can be used individually
- Adjustable projection
- Can be inserted into system bores, eliminating unnecessary interfering edges
- Highest force transmission thanks to sturdy round tubes
- Entire clamping mechanism is exchangeable



D28

Screw clamp 180° D28 with spindle

D28



| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 220     | Max. 190               | 270     | 2,80                 | D28-07005-000 |
| 220     | Max. 270               | 350     | 3,10                 | D28-07005-014 |
| 220     | Max. 420               | 500     | 3,80                 | D28-07005-033 |

Screw clamp 180° D28 with quick-action clamping cylinder

D28



- Up to 5x faster clamping than with conventional screw clamps
- High clamping forces quickly and with little effort
- 360° swivelling lever avoids interfering edges
- Large clamping stroke: 9 mm

| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 220     | Max. 190               | 270     | 2,50                 | D28-07005-001 |
| 220     | Max. 270               | 350     | 2,80                 | D28-07005-015 |
| 220     | Max. 420               | 500     | 3,40                 | D28-07005-041 |

Screw clamp 180° D28 with short spindle

D28



- Operation with open-ended spanner WAF 13
- Highly recommended for confined spaces

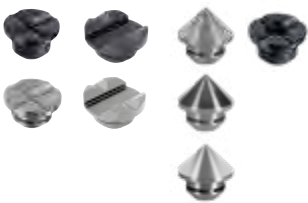
| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 220     | Max. 190               | 270     | 2,10                 | D28-07005-002 |
| 220     | Max. 270               | 350     | 2,30                 | D28-07005-016 |
| 220     | Max. 420               | 500     | 3,00                 | D28-07005-036 |

Compatible system accessories

Exchangeable  
actuators  
See page 210  
onwards



Exchangeable taper  
and V-block holders  
See page 212  
onwards



## Screw clamp 180° D22

- With adjustable, robust round tube
- Each tube can be used individually
- Adjustable projection
- Can be inserted into system bores, eliminating unnecessary interfering edges
- Highest force transmission thanks to sturdy round tubes
- Entire clamping mechanism is exchangeable



D22

### Screw clamp 180° D22 with spindle

D22



| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 175     | Max. 200               | 300     | 1,20                 | D22-07005-000 |

### Screw clamp 180° D22 with quick-action clamping cylinder

D22



- Up to 5x faster clamping than with conventional screw clamps
- High clamping forces quickly and with little effort
- 360° swivelling lever avoids interfering edges
- Large clamping stroke

| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 175     | Max. 200               | 300     | 1,50                 | D22-07005-001 |

### Screw clamp 180° D22 with short spindle

D22



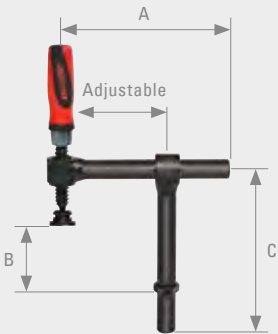
- Operation with open-ended spanner WAF 10
- Highly recommended for confined spaces

| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 175     | Max. 200               | 300     | 2,10                 | D22-07005-004 |



Screw clamp 180° D16

- With adjustable, robust round tube
- Each tube can be used individually
- Adjustable projection
- Can be inserted into system bores, eliminating unnecessary interfering edges
- Highest force transmission thanks to sturdy round tubes
- Entire clamping mechanism is exchangeable



D16

Screw clamp 180° D16 with spindle

D16



| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 130     | Max. 90                | 130     | 0,52                 | D16-07005-000 |

Screw clamp 180° D16 with quick-action clamping cylinder

D16



- Up to 5x faster clamping than with conventional screw clamps
- High clamping forces quickly and with little effort
- 360° swivelling lever avoids interfering edges
- Large clamping stroke: 3.5 mm

| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 130     | Max. 90                | 130     | 0,58                 | D16-07005-001 |

Screw clamp 180° D16 with short spindle

D16



- Operation with open-ended spanner WAF 14
- Highly recommended for confined spaces

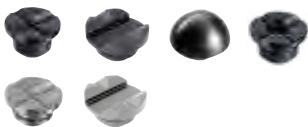
| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 130     | Max. 90                | 130     | 0,50                 | D16-07005-002 |

Compatible system accessories

Exchangeable  
actuators  
See page 210  
onwards



Exchangeable  
spherical and  
V-block holders  
See page 212  
onwards

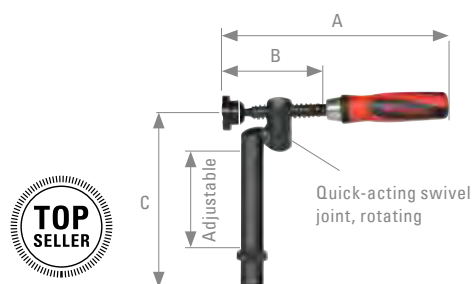






## Variable screw clamp 90°

- Pressure direction 90° relative to the system bore
- Spindle stroke approx. 70 mm
- 180° quick-acting swivel joint with ball locking device in the joint
- With adjusting ring for setting the required height
- Clamping bridges can be used
- Highest force transmission thanks to sturdy round tube
- Exchangeable clamping pad



**D28**

**D16**

### Variable screw clamp 90° D28

**D28**



| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 250     | Max. 100               | 220     | 1,22                 | D28-07008-000 |
| 250     | Max. 100               | 350     | 1,65                 | D28-07008-010 |
| 250     | Max. 100               | 500     | 2,08                 | D28-07008-012 |

### Variable screw clamp 90° D16

**D16**



| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 150     | Max. 40                | 150     | 0,30                 | D16-07008-000 |

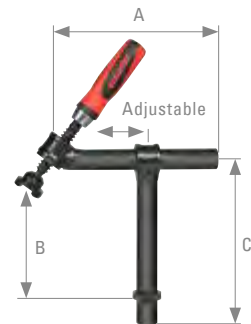
## Perfect positioning on all locating surfaces

Thanks to the optimum effect of force  
with the DEMMELER 45° variable screw clamp.



## Variable screw clamp 45° D28

- Highest force transmission thanks to sturdy round tubes
- Ideal for clamping V-block profiles, as well as rectangular and square profiles
- Entire clamping mechanism is exchangeable
- Perfect positioning on all locating surfaces thanks to optimum effect of force



**D28**

### Variable screw clamp 45° D28 with spindle

**D28**



| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 220     | Max. 190               | 270     | 2,80                 | D28-07009-000 |
| 220     | Max. 270               | 350     | 3,00                 | D28-07009-011 |
| 220     | Max. 420               | 500     | 3,70                 | D28-07009-026 |

### Variable screw clamp 45° D28 with quick-action clamping cylinder D28

**D28**



- Up to 5x faster clamping than with conventional screw clamps
- High clamping forces quickly and with little effort
- 360° swivelling lever avoids interfering edges
- Large clamping stroke: 9 mm

| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 220     | Max. 190               | 270     | 2,50                 | D28-07009-001 |
| 220     | Max. 270               | 350     | 2,70                 | D28-07009-012 |
| 220     | Max. 420               | 500     | 3,20                 | D28-07009-027 |

### Variable screw clamp 45° D28 with short spindle

**D28**



- Operation with open-ended spanner WAF 13
- Highly recommended for confined spaces

| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 220     | Max. 190               | 270     | 2,10                 | D28-07009-002 |
| 220     | Max. 270               | 350     | 2,30                 | D28-07009-013 |
| 220     | Max. 420               | 500     | 3,00                 | D28-07009-028 |

### Compatible system accessories

**Exchangeable  
actuators**  
See page 210  
onwards



**Exchangeable taper  
and V-block holders**  
See page 212  
onwards



Variable screw clamp 45° D22

- Highest force transmission thanks to sturdy round tubes
- Ideal for clamping V-block profiles, as well as rectangular and square profiles
- Entire clamping mechanism is exchangeable
- Perfect positioning on all locating surfaces thanks to optimum effect of force



D22

Variable screw clamp 45° D22 with spindle

D22



| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 175     | Max. 200               | 300     | 1,20                 | D22-07009-000 |

Variable screw clamp 45° D22 with quick-action clamping cylinder D28

D22



- Up to 5x faster clamping than with conventional screw clamps
- High clamping forces quickly and with little effort
- 360° swivelling lever avoids interfering edges
- Large clamping stroke

| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 175     | Max. 200               | 300     | 1,50                 | D22-07009-001 |

Variable screw clamp 45° D22 with short spindle

D22



- Operation with open-ended spanner WAF 10
- Highly recommended for confined spaces

| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 175     | Max. 200               | 300     | 2,10                 | D22-07009-004 |

Compatible system accessories

Exchangeable  
actuators  
See page 210  
onwards

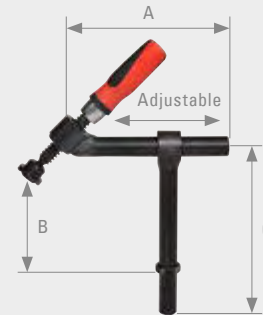


Clamping pad can  
be exchanged  
for a V-block  
See page 212



## Variable screw clamp 45° D16

- Highest force transmission thanks to sturdy round tubes
- Ideal for clamping V-block profiles, as well as rectangular and square profiles
- Entire clamping mechanism is exchangeable
- Perfect positioning on all locating surfaces thanks to optimum effect of force



**D16**

### Variable screw clamp 45° D16 with spindle

**D16**



| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 130     | Max. 90                | 130     | 0,50                 | D16-07009-000 |

### Variable screw clamp 45° D16 with quick-action clamping cylinder D28

**D16**



- Up to 5x faster clamping than with conventional screw clamps
- High clamping forces quickly and with little effort
- 360° swivelling lever avoids interfering edges
- Large clamping stroke: 3.5 mm

| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 130     | Max. 90                | 130     | 0,58                 | D16-07009-001 |

### Variable screw clamp 45° D16 with short spindle

**D16**



- Operation with open-ended spanner WAF 14
- Highly recommended for confined spaces

| A in mm | B Clamp capacity in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|------------------------|---------|----------------------|---------------|
| 130     | Max. 90                | 130     | 0,46                 | D16-07009-002 |

## Compatible system accessories

**Exchangeable actuators**  
See page 210 onwards



**Exchangeable spherical and V-block holders**  
See page 212 onwards







## Intelligent solutions for a wide range of clamping tasks

With the exchangeable actuators  
for all round tube clamps:

- > Spindle
- > Quick-action clamping cylinder
- > Short spindle



### Spindle with bushing and clamping pad

- High-quality two-component plastic handle
- Long threaded spindle
- Threaded bushing can be used in any system bore
- Clamping pad can be exchanged and used as a support in any system bore
- Suitable for pre-tensioning workpieces
- Slip-proof handle thanks to rubberised inserts
- Clamping with standard hex wrench



D28  
D22  
D16

Clamping pad with  
cross V-block

#### Spindle D28 with bushing and clamping pad

D28



| A in mm | Ø B in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|-----------|---------|----------------------|---------------|
| 255     | 40        | 70      | 0,50                 | D28-07020-000 |

#### Spindle D22 with bushing and clamping pad

D22



| A in mm | Ø B in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|-----------|---------|----------------------|---------------|
| 200     | 32        | 70      | 0,54                 | D22-07020-001 |

#### Spindle D16 with bushing and clamping pad

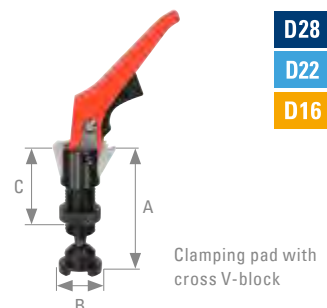
D16



| A in mm | Ø B in mm | C in mm | Approx. weight in kg | Item no.      |
|---------|-----------|---------|----------------------|---------------|
| 148     | 22        | 45      | 0,14                 | D16-07020-000 |

## Quick-action clamping cylinder with clamping pad

- Up to 5x faster clamping than with conventional screw clamps
- The locking mechanism ensures controlled, fast and vibration-proof clamping
- Large clamping stroke
- The self-centring support and pressure piece clamps the workpiece and can be exchanged
- The powder-coated clamping lever has a highly ergonomic shape
- The plastic-coated, non-slip release lever ensures a secure grip when releasing the clamp



D28

D22

D16

### Quick-action clamping cylinder D28 with clamping pad

D28



| A in mm       | Ø B in mm | C in mm | Approx. weight in kg | Item no.      |
|---------------|-----------|---------|----------------------|---------------|
| approx. 105+9 | 40        | 70      | 0,88                 | D28-07021-004 |

### Quick-action clamping cylinder D22 with clamping pad

D22



| A in mm      | Ø B in mm | C in mm | Approx. weight in kg | Item no.      |
|--------------|-----------|---------|----------------------|---------------|
| approx. 90+9 | 32        | 70      | 0,60                 | D22-07021-001 |

### Quick-action clamping cylinder D16 with clamping pad

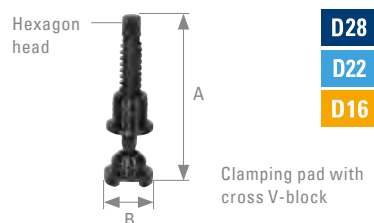
D16



| A in mm      | Ø B in mm | C in mm | Approx. weight in kg | Item no.      |
|--------------|-----------|---------|----------------------|---------------|
| approx. 80+3 | 22        | 30      | 0,18                 | D16-07021-000 |

## Short spindle with bushing and clamping pad

- Highly recommended for confined spaces
- Actuation with open-ended spanner WAF 13 (D28), WAF 10 (D22) or WAF 14 (D16)
- Direct use in system bores possible
- Ideal for pre-tensioning workpieces



D28

D22

D16

### Short spindle D28 with bushing and clamping pad

D28



| A in mm | Ø B in mm | Approx. weight in kg | Item no.      |
|---------|-----------|----------------------|---------------|
| 138     | 40        | 0,36                 | D28-07022-000 |

### Short spindle D22 with bushing and clamping pad

D22



| A in mm | Ø B in mm | Approx. weight in kg | Item no.      |
|---------|-----------|----------------------|---------------|
| 110     | 32        | 0,20                 | D22-07022-000 |

### Short spindle D16 with bushing and clamping pad

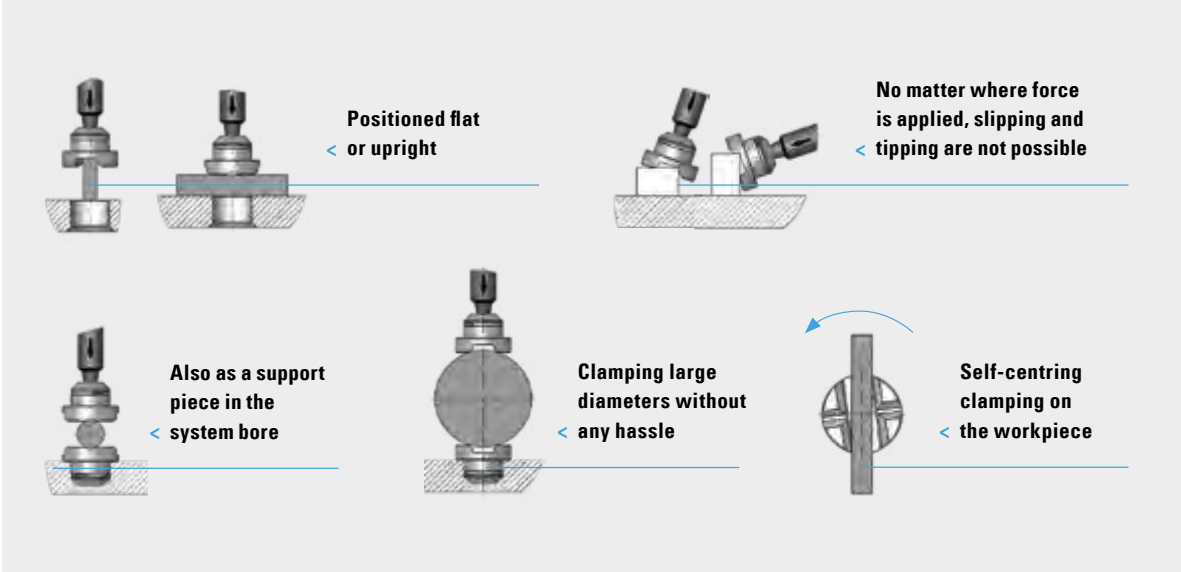
D16



| A in mm | Ø B in mm | Approx. weight in kg | Item no.      |
|---------|-----------|----------------------|---------------|
| 70      | 22        | 0,10                 | D16-07022-000 |

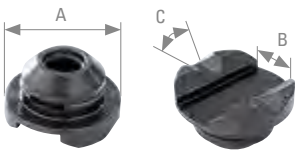
# No slipping or tipping

when using the self-centring clamping pad with V-block



## Pressure and support piece/clamping pad with V-block

- Rapid replacement: No tools, no screws
- O-ring prevents dirt from getting into the joint
- Produced in various materials
- Precisely supported on the workpiece thanks to pendulum compensation
- With cross V-block for clamping round/rectangular tubes
- Can also be used as a support in any system bore



D28  
D22  
D16

### Clamping pad D28 with V-block, burnished steel



|           |         |        |                      |          |               | D28 |
|-----------|---------|--------|----------------------|----------|---------------|-----|
| Ø A in mm | B in mm | C in ° | Approx. weight in kg | Quantity | Item no.      |     |
| 40        | 15,5    | 120    | 0,112                | 1 unit   | D28-07011-022 |     |
| 40        | 15,5    | 120    | 1,12                 | 10 units | D28-07011-023 |     |

### Clamping pad D28 with V-block, aluminium



|           |         |        |                      |          |               | D28 |
|-----------|---------|--------|----------------------|----------|---------------|-----|
| Ø A in mm | B in mm | C in ° | Approx. weight in kg | Quantity | Item no.      |     |
| 40        | 15,5    | 120    | 0,04                 | 1 unit   | D28-07011-025 |     |
| 40        | 15,5    | 120    | 0,4                  | 10 units | D28-07011-026 |     |

#### Clamping pad D22 with V-block, burnished steel

D22



| Ø A in mm | B in mm | C in ° | Approx. weight in kg | Quantity | Item no.      |
|-----------|---------|--------|----------------------|----------|---------------|
| 32        | 8,0     | 120    | 0,05                 | 1 unit   | D22-07011-001 |

#### Clamping pad D22 with V-block, aluminium

D22



| Ø A in mm | B in mm | C in ° | Approx. weight in kg | Quantity | Item no.      |
|-----------|---------|--------|----------------------|----------|---------------|
| 32        | 8,0     | 120    | 0,02                 | 1 unit   | D22-07011-000 |

#### Clamping pad D16 with V-block, burnished steel

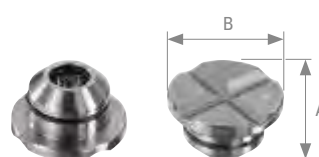
D16



| Ø A in mm | B in mm | C in ° | Approx. weight in kg | Quantity | Item no.      |
|-----------|---------|--------|----------------------|----------|---------------|
| 22        | 8,0     | 120    | 0,1                  | 1 unit   | D16-07011-015 |
| 22        | 8,0     | 120    | 1                    | 10 units | D16-07011-016 |

### Pressure and support piece

- Rapid replacement: No tools, no screws
- O-ring prevents dirt from getting into the joint
- Produced in various materials
- Precisely supported on the workpiece thanks to pendulum compensation
- With cross V-block for clamping round/rectangular tubes
- Can also be used as a support in any system bore



D28

D16

#### Pressure and support piece D28, stainless steel

D28



| A in mm | Ø B in mm | Approx. weight in kg | Item no.      |
|---------|-----------|----------------------|---------------|
| 22      | 40        | 0,10                 | D28-07011-001 |

#### Pressure and support piece D28, POM

D28



| A in mm | Ø B in mm | Approx. weight in kg | Item no.      |
|---------|-----------|----------------------|---------------|
| 22      | 40        | 0,02                 | D28-07011-002 |

#### Pressure and support piece D16, burnished steel

D16



| A in mm | Ø B in mm | Approx. weight in kg | Item no.      |
|---------|-----------|----------------------|---------------|
| 13      | 22        | 0,02                 | D16-07011-000 |

#### Pressure and support piece D16, stainless steel

D16



| A in mm | Ø B in mm | Approx. weight in kg | Item no.      |
|---------|-----------|----------------------|---------------|
| 13      | 22        | 0,02                 | D16-07011-001 |

#### Pressure and support piece D16, POM

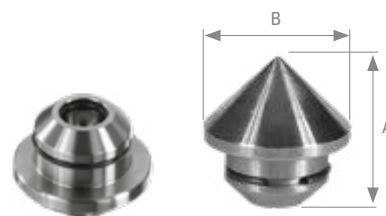
D16



| A in mm | Ø B in mm | Approx. weight in kg | Item no.      |
|---------|-----------|----------------------|---------------|
| 13      | 22        | 0,004                | D16-07011-002 |

## Pressure and support piece with taper

- Rapid replacement: No tools, no screws
- O-ring prevents dirt from getting into the joint
- Produced in various materials
- Precisely supported on the workpiece thanks to pendulum compensation
- With 90° taper to clamp tubes on the inner diameter  
Ø 10 – 58 mm



D28

### Pressure and support piece D28 with taper, hardened steel



|                      | D28            |
|----------------------|----------------|
| A in mm              | 40             |
| Ø B in mm            | 40             |
| Approx. weight in kg | 0,16           |
| Angle                | 90°            |
| Description          | Hardened steel |
| Item no.             | D28-07011-027  |

### Pressure and support piece D28 with taper, stainless steel



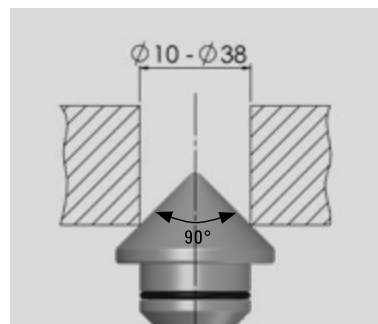
|                      | D28             |
|----------------------|-----------------|
| A in mm              | 40              |
| Ø B in mm            | 40              |
| Approx. weight in kg | 0,16            |
| Angle                | 90°             |
| Description          | Stainless steel |
| Item no.             | D28-07011-028   |



### Pressure and support piece D28 with taper, aluminium

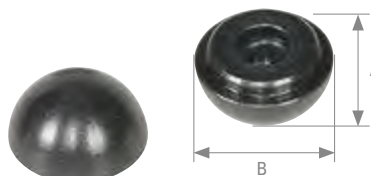


|                      | D28           |
|----------------------|---------------|
| A in mm              | 40            |
| Ø B in mm            | 40            |
| Approx. weight in kg | 0,16          |
| Angle                | 90°           |
| Description          | Aluminium     |
| Item no.             | D28-07011-029 |



## Clamping pad with spherical shape

- Rapid replacement without tools, without screws
- O-ring prevents dirt from getting into the joint
- Produced in various materials
- With ball, specially for clamping corner profiles
- Clamping pad compensates for angle errors
- Precisely supported on the workpiece thanks to pendulum compensation



D28

D16

### Clamping pad D28/D16 with spherical shape, burnished steel



|                             | D28             | D16             |
|-----------------------------|-----------------|-----------------|
| <b>A in mm</b>              | 21,5            | 13              |
| <b>Ø B in mm</b>            | 35              | 20              |
| <b>Approx. weight in kg</b> | 0,09            | 0,02            |
| <b>Description</b>          | Burnished steel | Burnished steel |
| <b>Item no.</b>             | D28-07011-004   | D16-07011-005   |

### Clamping pad D28/D16 with spherical shape, stainless steel



|                             | D28             | D16             |
|-----------------------------|-----------------|-----------------|
| <b>A in mm</b>              | 21,5            | 13              |
| <b>Ø B in mm</b>            | 35              | 20              |
| <b>Approx. weight in kg</b> | 0,09            | 0,02            |
| <b>Description</b>          | Stainless steel | Stainless steel |
| <b>Item no.</b>             | D28-07011-005   | D16-07011-006   |

### Clamping pad D28/D16 with spherical shape, POM



|                             | D28           | D16           |
|-----------------------------|---------------|---------------|
| <b>A in mm</b>              | 21,5          | 13            |
| <b>Ø B in mm</b>            | 35            | 20            |
| <b>Approx. weight in kg</b> | 0,08          | 0,004         |
| <b>Description</b>          | POM           | POM           |
| <b>Item no.</b>             | D28-07011-006 | D16-07011-007 |

### Clamping pad D28/D16 with spherical shape, aluminium

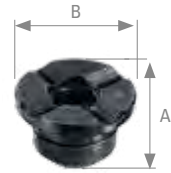


|                             | D28           | D16           |
|-----------------------------|---------------|---------------|
| <b>A in mm</b>              | 21,5          | 13            |
| <b>Ø B in mm</b>            | 35            | 20            |
| <b>Approx. weight in kg</b> | 0,035         | 0,02          |
| <b>Description</b>          | Aluminium     | Aluminium     |
| <b>Item no.</b>             | D28-07011-020 | D16-07011-012 |



## Clamping pad, steel double-sided

- Rapid replacement: No tools, no screws
- O-ring prevents dirt from getting into the joint
- Precisely supported on the workpiece thanks to pendulum compensation
- With cross V-block for clamping round/rectangular tubes
- Can also be used as a support in any system bore
- Can be used on both sides



D28

### Clamping pad D28, steel double-sided

D28



| A in mm | Ø B in mm | Approx. weight in kg | Item no.      |
|---------|-----------|----------------------|---------------|
| 25      | 40        | 0,08                 | D28-07011-010 |



## Clamping pad blank

- For customer-specific adaptation
- Mount for DEMMELE® system screw clamps already present
- Burnished steel

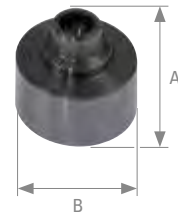
D28

### Clamping pad D28 blank, burnished steel

D28



| A in mm | Ø B in mm | Approx. weight in kg | Item no.      |
|---------|-----------|----------------------|---------------|
| 35      | 50        | 0,32                 | D28-07014-000 |



### Clamping pad D16 blank, burnished steel

D16



| A in mm | Ø B in mm | Approx. weight in kg | Item no.      |
|---------|-----------|----------------------|---------------|
| 25      | 22        | 0,05                 | D16-07014-000 |

## Adjusting spindle

- For adjusting a continuous support
- Clamping in hard-to-reach positions

WAF 8 (D28)  
WAF 4 (D16)

D28

D16

### Adjusting spindle D28

D28



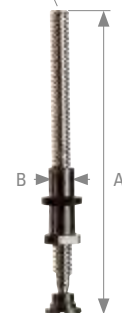
| A in mm | B in mm | Approx. weight in kg | Item no.      |
|---------|---------|----------------------|---------------|
| 255     | 28      | 0,78                 | D28-09008-000 |

### Adjusting spindle D16

D16



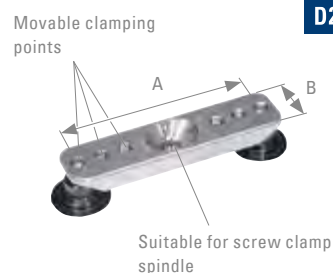
| A in mm | B in mm | Approx. weight in kg | Item no.      |
|---------|---------|----------------------|---------------|
| 180     | 16      | 0,18                 | D16-09008-000 |





## 2P. Clamping bridge with two clamping pads, steel

- Two clamping points at the same time
- Clamping in hard-to-reach positions
- Simultaneous clamping of multiple components
- Clamping uneven surfaces or different heights through pendulum compensation
- Clamping pad distance can be shifted with self-locking ball pins
- Exchangeable clamping pad
- For attachment to any spherical mount
- Very stable shape
- Scope of delivery: Galvanised clamping bridge, two spherical pins and two clamping pads (steel)



D28

### 2P. Clamping bridge D28 with two clamping pads, steel

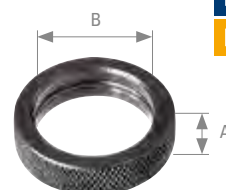
D28



| A in mm         | Ø B in mm | Approx. weight in kg | Item no.      |
|-----------------|-----------|----------------------|---------------|
| 130 / 97,5 / 65 | 35        | 0,56                 | D28-07018-000 |

## VARIO adjusting ring for screw clamp round tubes

- For fixing screw clamps at a set height
- Included in the scope of delivery for all round tube screw clamps



D28

D16

### Adjusting ring VARIO D28 for screw clamp round tubes

D28



| A in mm | Ø B in mm | Approx. weight in kg | Item no.      |
|---------|-----------|----------------------|---------------|
| 10      | 28        | 0,05                 | D28-07003-000 |

### Adjusting ring VARIO D16 for screw clamp round tubes

D16



| A in mm | Ø B in mm | Approx. weight in kg | Item no.      |
|---------|-----------|----------------------|---------------|
| 6       | 16        | 0,01                 | D16-07003-000 |

## Clamping tube

- Precision clamping tube to fit any system bore
- E.g. for compensating screw clamps (from page 196)

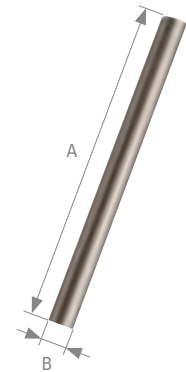
D28

D16

### Clamping tube D28



| D28     |           |                      |               |
|---------|-----------|----------------------|---------------|
| A in mm | Ø B in mm | Approx. weight in kg | Item no.      |
| 200     | 28        | 0,57                 | D28-07004-000 |
| 350     | 28        | 1,00                 | D28-07004-001 |
| 600     | 28        | 1,70                 | D28-07004-002 |
| 1000    | 28        | 2,85                 | D28-07004-003 |



### Clamping tube D16



| D16     |           |                      |               |
|---------|-----------|----------------------|---------------|
| A in mm | Ø B in mm | Approx. weight in kg | Item no.      |
| 125     | 16        | 0,30                 | D16-07004-000 |
| 250     | 16        | 0,30                 | D16-07004-001 |
| 600     | 16        | 0,75                 | D16-07004-002 |
| 1000    | 16        | 1,20                 | D16-07004-003 |

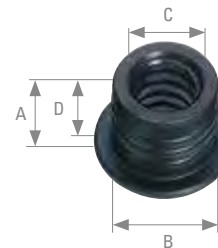
# It doesn't get more modular than this.

Compatibility for tools from D28 | D22 | D16



## Reducer bushing D16 to D28/D16 to D22

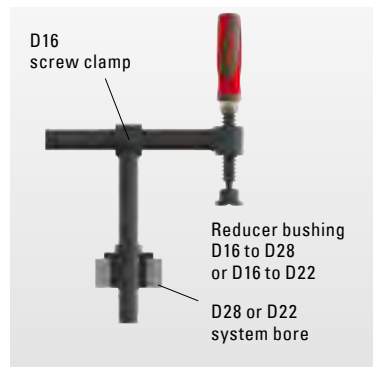
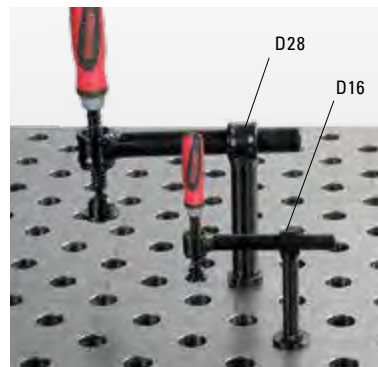
- Used to mount Ø 16 mm screw clamps in D28 and D22 system bores
- The D16 quick-action clamping cylinder can be used in system D28 or D22
- Can be used as a support or stop simultaneously
- Threaded bushing for D28 or D22 screw clamp



D28

D22

D16



#### Reducer bushing D16 to D28



| A in mm | Ø B in mm | Ø C in mm | D in mm | Approx. weight in kg | Item no.      |
|---------|-----------|-----------|---------|----------------------|---------------|
| 30      | 28        | 16        | 25      | 0,10                 | D00-06012-000 |

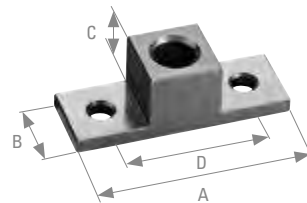
#### Reducer bushing D16 to D22



| A in mm | Ø B in mm | Ø C in mm | D in mm | Approx. weight in kg | Item no.      |
|---------|-----------|-----------|---------|----------------------|---------------|
| 28,5    | 22        | 16        | 25      | 0,07                 | D22-06012-001 |

## Interface plates

- Interface between system 28 and system 16  
or system 28 and system 22



D28  
D22  
D16

#### Interface plates for clamping tubes D28 to D16



| A in mm | B in mm | C in mm | D in mm | Approx. weight in kg | Item no.      |
|---------|---------|---------|---------|----------------------|---------------|
| 150     | 50      | 50      | 100     | 1,04                 | D00-06015-000 |

#### Interface plates for clamping tubes D28 to D22



| A in mm | B in mm | C in mm | D in mm | Approx. weight in kg | Item no.      |
|---------|---------|---------|---------|----------------------|---------------|
| 150     | 50      | 50      | 100     | 1,2                  | D00-06015-001 |

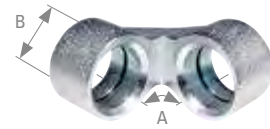


**Use clamps and V-blocks from system D28 in systems D22 and D16 too**  
The interface plate makes it possible for you to use clamps and V-blocks from system D28 in systems D22 and D16 too.



## Angle bushing 90°

- Can be used as a corner stop
- Axis spacing 50 mm



D28

### Angle bushing 90° D28

D28



| A in ° | Ø B in mm | Approx. weight in kg | Item no.      |
|--------|-----------|----------------------|---------------|
| 90     | 28        | 0,30                 | D28-07034-000 |

## Deflector bushing with precision scaling in 15° increments

- User-friendly 360° precision scaling
- Especially useful when used with variable clamps (from page 226)
- Can also be used in combination with short or normal spindle with threaded bushing
- Axis spacing: 38 mm



D28

### Deflector bushing 90° D28 with precision scaling

D28



| A in mm | Ø B in mm | Approx. weight in kg | Item no.      |
|---------|-----------|----------------------|---------------|
| 38      | 28        | 0,31                 | D28-07034-010 |

### Deflector bushing 45° D28 with precision scaling

D28

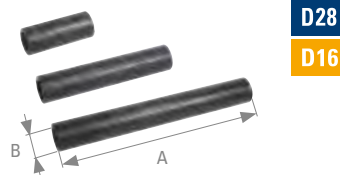


| A in mm | Ø B in mm | Approx. weight in kg | Item no.      |
|---------|-----------|----------------------|---------------|
| 38      | 28        | 0,31                 | D28-07035-010 |



## Adapter tube

- Extension of support and clamping points
- Can be adapted with screw clamp tube
- Clamping on both sides possible with PC bolt



### Adapter tube D28



|  | A in mm | Ø B in mm | Approx. weight in kg | Item no.      |
|--|---------|-----------|----------------------|---------------|
|  | 100     | 28 / 40   | 0,40                 | D28-09010-000 |
|  | 200     | 28 / 40   | 1,05                 | D28-09010-001 |
|  | 300     | 28 / 40   | 1,70                 | D28-09010-002 |

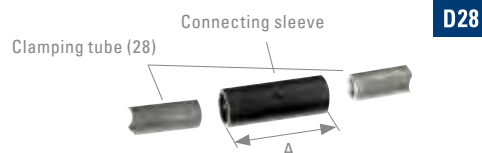
### Adapter tube D16



|  | A in mm | Ø B in mm | Approx. weight in kg | Item no.      |
|--|---------|-----------|----------------------|---------------|
|  | 100     | 16 / 28   | 0,34                 | D16-09010-000 |
|  | 200     | 16 / 28   | 0,80                 | D16-09010-001 |
|  | 300     | 16 / 28   | 1,20                 | D16-09010-002 |

## Connecting sleeve

- As a connecting piece between two clamping tubes
- As a connecting piece between the screw clamp and clamping tube
- Burnished



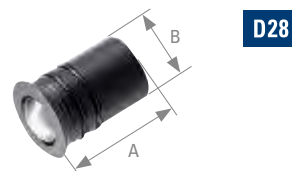
### Connecting sleeve D28



|  | A in mm | Ø B in mm | Approx. weight in kg | Item no.      |
|--|---------|-----------|----------------------|---------------|
|  | 100     | 28 / 38   | 0,40                 | D28-07010-000 |

## Ball clamp bushing with countersunk head

- High-quality stainless steel pressure piston
- Self-locking in any position thanks to the O-ring
- 4 mm clamping stroke
- 120 N clamping force



### Ball clamp bushing D28 with countersunk head



|  | A in mm | Ø B in mm | Description           | Item no.      |
|--|---------|-----------|-----------------------|---------------|
|  | 43      | 28        | with countersunk head | D28-07017-010 |





# Quick-release toggle clamp Pneumatic toggle clamp

| Quick-release toggle clamp                                                          |                                                                                     | Pneumatic toggle clamp                                                                | Quick-release toggle clamp                                                            |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| D28                                                                                 |                                                                                     | D28                                                                                   | D16                                                                                   |
|    |    |    |    |
| <b>Variable clamp with threaded bushing</b><br>page 226                             | <b>Vertical toggle clamp with adapter</b><br>page 228                               | <b>Pneumatic toggle clamp XL</b><br>page 231                                          | <b>Variable clamp with adapter</b><br>page 226                                        |
|    |    |    |    |
| <b>Variable clamp with adapter</b><br>page 226                                      | <b>Vertical toggle clamp with universal stop</b><br>page 229                        | <b>Pneumatic toggle clamp S</b><br>page 232                                           | <b>Vertical toggle clamp with adapter</b><br>page 228                                 |
|  |  |  |  |
| <b>Universal variable clamp</b><br>page 227                                         | <b>Horizontal toggle clamp with universal stop</b><br>page 230                      | <b>Manifold with hand valve</b><br>page 233                                           | <b>Adapter for quick-release toggle clamp</b><br>page 230                             |
|  |  |  |                                                                                       |
| <b>Two-point clamp with adapter</b><br>page 228                                     | <b>Adapter for quick-release toggle clamp</b><br>page 230                           | <b>Pressure booster</b><br>page 233                                                   |                                                                                       |
|                                                                                     |                                                                                     |  |                                                                                       |
|                                                                                     |                                                                                     | <b>Magnetic clamps</b><br>page 233                                                    |                                                                                       |







**Variable clamp**  
Clamping with minimal set-up time



**Vertical toggle clamp**  
Always a simple solution



**Horizontal toggle clamp**  
Quick clamping  
for large quantities

## Quick-release toggle clamps from DEMMELER – manual or pneumatic

DEMMELER's range of manual or pneumatic quick-release toggle clamps is diverse enough to perform a wide variety of applications. Our extensive range includes the ideal clamping element for any requirement. The products stand out due to their durability in particular. Alongside favourable force and movement conditions, all products are easy to use in everyday applications. The entire range of mechanical clamping elements is designed to consistently reduce complexity and optimise processes with fast and simple clamping options.



**Pneumatic toggle clamp**  
Automated clamping  
for higher quantities



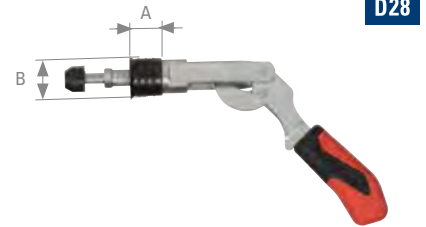
**Magnetic clamp**  
Fast and easy positioning  
of lightweight parts

## Quick-release toggle clamp

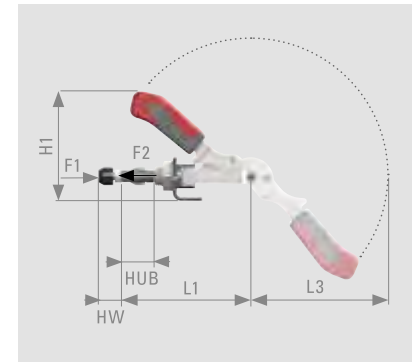
Variable clamp

### Variable clamp with threaded bushing

- Long push rod guide with mounting thread and nut
- Ergonomic, oil-resistant handle with large grip and soft component
- With tempered, galvanised clamping screw
- Including threaded bushing for use in system bores
- 32 mm stroke
- Galvanised and passivated clamp, burnished adapter

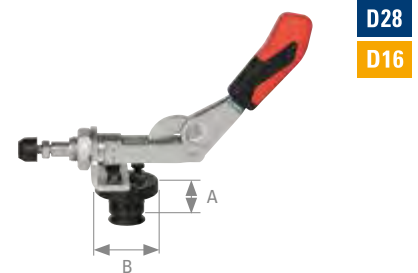


| Variable clamp D28 with threaded bushing |                             | D28           |
|------------------------------------------|-----------------------------|---------------|
|                                          | <b>A in mm</b>              | 30            |
|                                          | <b>Ø B in mm</b>            | 28            |
|                                          | <b>Approx. weight in kg</b> | 0,4           |
|                                          | <b>H1</b>                   | 110           |
|                                          | <b>L1</b>                   | 140           |
|                                          | <b>L3</b>                   | 129           |
|                                          | <b>HW</b>                   | 22 - 35       |
|                                          | <b>STROKE</b>               | 32            |
|                                          | <b>F1 in kN</b>             | 2,5           |
|                                          | <b>F2 in kN</b>             | 2,5           |
|                                          | <b>Item no.</b>             | D28-08000-000 |

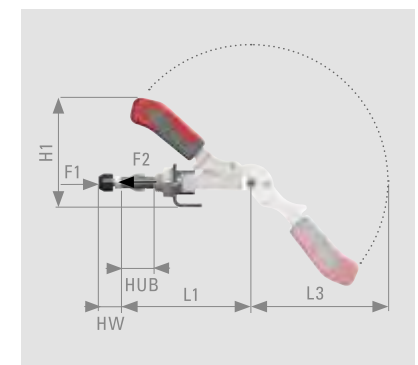


### Variable clamp with adapter and countersunk screw

- Long push rod guide with mounting thread and nut
- Ergonomic, oil-resistant handle with large grip and soft component
- With tempered, galvanised clamping screw
- With adapter and countersunk screw to fit system bores
- Galvanised and passivated clamp, burnished adapter
- With universal stop for indirect mounting, therefore continuously adjustable



| Variable clamp D28/D16 with adapter and countersunk screw |                             | D28           | D16           |
|-----------------------------------------------------------|-----------------------------|---------------|---------------|
|                                                           | <b>A in mm</b>              | 27            | 15            |
|                                                           | <b>Ø B in mm</b>            | 50            | 38            |
|                                                           | <b>Thread pitch in mm</b>   | 32 x 20       | 24 x 16       |
|                                                           | <b>Approx. weight in kg</b> | 0,74          | 0,22          |
|                                                           | <b>H1</b>                   | 110           | 60            |
|                                                           | <b>L1</b>                   | 140           | 91            |
|                                                           | <b>L3</b>                   | 129           | 72            |
|                                                           | <b>HW</b>                   | 22 - 35       | 12 - 20       |
|                                                           | <b>STROKE</b>               | 32            | 20            |
|                                                           | <b>F1 in kN</b>             | 2,5           | 1,0           |
|                                                           | <b>F2 in kN</b>             | 2,5           | 1,0           |
|                                                           | <b>Item no.</b>             | D28-08002-000 | D16-08002-000 |







^ Variable clamp  
with threaded bushing



^ Variable clamp  
with adapter and countersunk screw

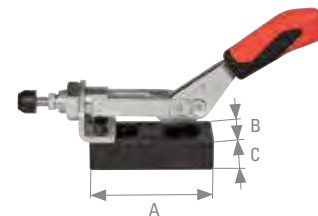


^ Universal  
variable clamp

## Universal variable clamp (with universal stop)

- Long push rod guide with mounting thread and nut
- Ergonomic, oil-resistant handle with large grip and soft component
- With tempered, galvanised clamping screw
- 32 mm stroke
- Including universal stop with thread for moving the variable clamp
- Galvanised and passivated clamp, burnished stop

**D28**

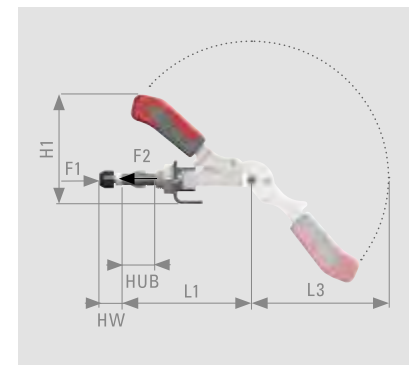


### Universal variable clamp D28

**D28**



|                             |               |
|-----------------------------|---------------|
| <b>A in mm</b>              | 100           |
| <b>B in mm</b>              | 50            |
| <b>C in mm</b>              | 25            |
| <b>Approx. weight in kg</b> | 1,08          |
| <b>H1</b>                   | 110           |
| <b>L1</b>                   | 140           |
| <b>L3</b>                   | 129           |
| <b>HW</b>                   | 22 - 35       |
| <b>STROKE</b>               | 32            |
| <b>F1 in kN</b>             | 2,5           |
| <b>F2 in kN</b>             | 2,5           |
| <b>Item no.</b>             | D28-08001-010 |



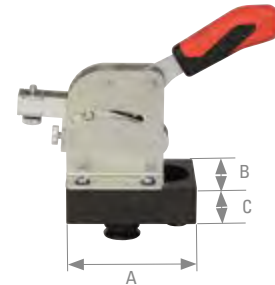


## Quick-release toggle clamp

Two-point clamp/vertical toggle clamp

### Two-point clamp with adapter

- Positioning and clamping in one process step:  
The combination clamp converts the movement of the lever arm into a horizontal and vertical clamping movement, so the workpiece is positioned and clamped simultaneously
- Robust and stable design
- Easy removal of the workpiece by fully retracting the clamping arm
- With adapter to fit system bores, continuously adjustable
- Galvanised and passivated clamp, burnished adapter

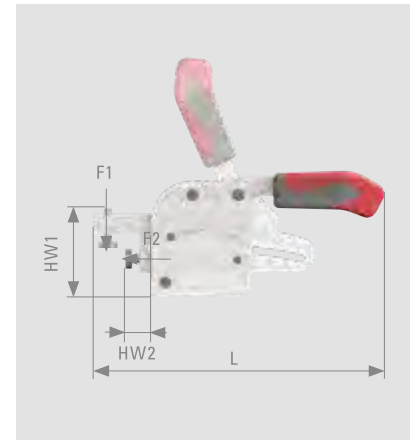


D28

#### Two-point clamp D28 with adapter

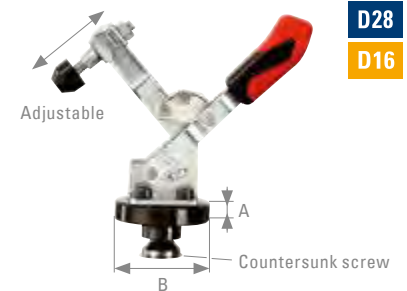


|                      | D28           |
|----------------------|---------------|
| A in mm              | 100           |
| B in mm              | 70            |
| C in mm              | 30            |
| Approx. weight in kg | 1,8           |
| H1                   | 94            |
| H2                   | 87            |
| L1                   | 219           |
| HW1                  | 30 - 40       |
| HW2                  | 10 - 20       |
| F1 in kN             | 2,0           |
| F2 in kN             | 2,0           |
| Item no.             | D28-08007-000 |



### Vertical toggle clamp with adapter and countersunk screw

- With open support arm and horizontal leg
- Ergonomic, oil-resistant handle with large grip and soft component
- Safety clamping piece with finger guard
- Captive clamping screw at clamping arm end
- With adapter and countersunk screw to fit any system bore
- Clamping range 0–50 mm (D28) or 0–25 mm (D16)
- Galvanised and passivated clamp, burnished adapter
- With universal stop for indirect mounting, therefore continuously adjustable



D28

D16

#### Vertical toggle clamp D28/D16 with adapter and countersunk screw



|                      | D28           | D16           |
|----------------------|---------------|---------------|
| A in mm              | 27            | 15            |
| Ø B in mm            | 50            | 38            |
| Thread pitch in mm   | 32 x 20       | 24 x 16       |
| Approx. weight in kg | 0,74          | 0,22          |
| H1                   | 186           | 98,5          |
| L1                   | 112           | 61            |
| L2                   | 112           | 59            |
| HW                   | 2 - 11        | -4 - 2        |
| F1 in kN             | 1,1           | 0,6           |
| F2 in kN             | 2,5           | 1,1           |
| Item no.             | D28-08001-000 | D16-08001-000 |

