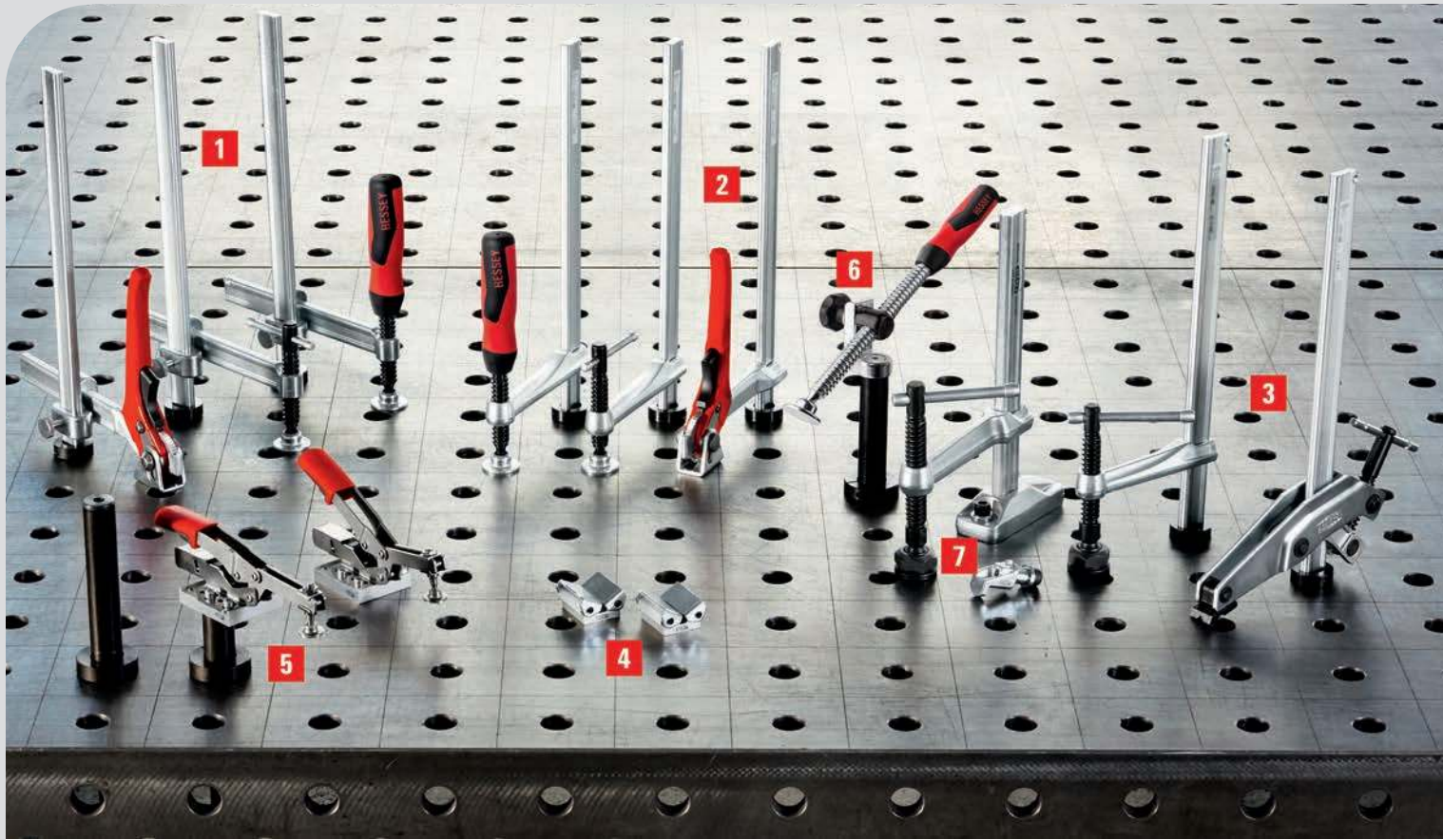




**Innovations to make  
welding easier**

## Clamping elements for welding tables

# Bringing our experience to the table



### Your benefits at a glance:

#### 1 Flexible throat depth

BESSEY TWV clamping elements for welding tables not only have infinitely adjustable throat depth, but are also available in three handle variants.

#### 2 100, 120 or 140 mm throat depth

On BESSEY TW clamping elements, you can choose among three handle variants and three throat-depth variants.

#### 3 Heavy-duty, custom design

The TWM28 clamping element has a heat-resistant special pressure plate with sintered steel insert, which can be pivoted up to 35°. On the TW28GRS gripping arm variant the spindle is located on the outside, which enables – among other things – free access to the work area.

#### 4 Perfect for railings

Whether the workpiece is round, oval or square, the TWVAD Vario table clamping attachments are ideally suited; this is because they can be infinitely adjusted to the workpiece being welded, from 60° internal to 60° external.

#### 5 Applying the quick clamp

Thanks to the TWA-STC adapter and the appropriate TWX extension, BESSEY toggle clamps with a horizontal base plate can also be rapidly applied to welding tables.

#### 6 Diagonal und horizontal clamping

The tilting adaptor TW28AV used in conjunction with the extension TW28X allows angled or horizontal clamping in a range from -52 deg. to +52 deg.

#### 7 Existing work table clamps

Are you already using BESSEY work table clamps and want to also use them on your welding table? This is made possible by simply screwing the TW28H0 attachment into the hole on the bottom of the work table clamp.

YouTube



3D CAD data for download at  
[www.bessey.de](http://www.bessey.de)



# Clamping elements for welding tables



## Clamping element with variable throat depth TWV



| Order-No.      | Ø  | Clamping height max. | Throat depth | Rail     | kg   | qty. | V3 |
|----------------|----|----------------------|--------------|----------|------|------|----|
|                | mm | mm                   | mm           | mm       | kg   | qty. | V3 |
| TWV16-20-15-2K | 16 | 200                  | 30-150       | 22 x 8.5 | 1.20 | 1    |    |
| TWV16-20-15K   | 16 | 200                  | 30-150       | 22 x 8.5 | 1.04 | 1    |    |
| TWV16-20-15H   | 16 | 200                  | 60-150       | 22 x 8.5 | 1.21 | 1    |    |
| TWV28-30-17-2K | 28 | 300                  | 40-175       | 28 x 11  | 2.22 | 1    |    |
| TWV28-30-17K   | 28 | 300                  | 40-175       | 28 x 11  | 2.11 | 1    |    |
| TWV28-30-17H   | 28 | 300                  | 110-175      | 28 x 11  | 2.48 | 1    |    |



## Clamping element with fixed throat depth TW



| Order-No.     | Ø  | Clamping height max. | Throat depth | Rail     | kg   | qty. | V3 |
|---------------|----|----------------------|--------------|----------|------|------|----|
|               | mm | mm                   | mm           | mm       | kg   | qty. | V3 |
| TW16-20-10-2K | 16 | 200                  | 100          | 22 x 8.5 | 0.93 | 1    |    |
| TW16-20-10K   | 16 | 200                  | 100          | 22 x 8.5 | 0.86 | 1    |    |
| TW16-20-10H   | 16 | 200                  | 100          | 22 x 8.5 | 1.01 | 1    |    |
| TW28-30-12-2K | 28 | 300                  | 120          | 28 x 11  | 1.68 | 1    |    |
| TW28-30-14-2K | 28 | 300                  | 140          | 28 x 11  | 1.70 | 1    |    |
| TW28-30-12K   | 28 | 300                  | 120          | 28 x 11  | 1.62 | 1    |    |
| TW28-30-14K   | 28 | 300                  | 140          | 28 x 11  | 1.65 | 1    |    |
| TW28-30-12H   | 28 | 300                  | 120          | 28 x 11  | 2.07 | 1    |    |
| TW28-30-14H   | 28 | 300                  | 140          | 28 x 11  | 2.10 | 1    |    |



## Clamping element with special pressure plate TWM28



| Order-No.   | Ø  | Clamping height max. | Throat depth | Rail    | kg   | qty. | V3 |
|-------------|----|----------------------|--------------|---------|------|------|----|
|             | mm | mm                   | mm           | mm      | kg   | qty. | V3 |
| TWM28-30-12 | 28 | 300                  | 120          | 28 x 11 | 1.78 | 1    |    |



## Special pressure plate



| Order-No. | Description | V3 |
|-----------|-------------|----|
| 3100736   | Standard    |    |
| 3101192   | Serrated    |    |
| 3101193   | V-grooved   |    |

- TWV16: Clamping force up to 2,500 N  
TWV28: Clamping force up to 5,500 N
- TW16: Clamping force up to 3,000 N  
TW28: Clamping force up to 5,000 N
- Precise, individual clamping
- Tempered profile and sliding arm for sprung and elastic clamping
- Infinitely adjustable throat depth (at TWV)

### Various design versions:

- High quality 2-component plastic handle and tommy bar with rounded ends – each with smooth-running trapezoidal threaded spindle and tool-free pressure plate replacement
- Lever handle with an indexing mechanism for controlled, fast and vibration-proof clamping

- Clamping force up to 6,500 N
- Precise, individual clamping
- Tempered profile and sliding arm for sprung and elastic clamping
- Tempered spindle – particularly sturdy and wear-resistant – for noticeably improved service life
- Long life due to heat-resistant pressure plate with sintered steel insert, which can

- Long life due to heat-resistant pressure plate with sintered steel insert, which can be tilted up to 35°

### Three design versions:

- Smooth faced (standard version)
- Rough faced for secure clamping on dirty surfaces
- V-groove face for round, oval and edged workpieces

## Clamping elements for welding tables

- Clamping force up to 5,000 N
- The spindle is located on the outside for free access to the work area and to protect against welding spatter
- Special, sturdy V-grooved pressure plate, ideal even for clamping round or square workpieces
- Pivotal and infinitely adjustable in terms of height
- Particularly suited to clamping with the tightest of space constraints, in narrow openings as well as for short projections



Clamping element with gripping arm TW28GRS

| Order-No.    | Ø  | Clamping height max. | Throat depth | Rail    | kg   | qty. | V3 |
|--------------|----|----------------------|--------------|---------|------|------|----|
|              | mm | mm                   | mm           | mm      |      |      |    |
| TW28GRS30-12 | 28 | 300                  | 120          | 28 x 11 | 2.33 | 1    |    |

- Specifically adapted to round, oval and square workpieces
- Angle infinitely adjustable from 60° internal to 60° external

Various design versions:

- TW16VAD/TW28VAD – version with bolt – for rapidly aligning and fixing the workpiece to the welding table
- TWVAD – version without bolt – for variable movement on the welding table



TW16VAD/  
TW28VAD



TWVAD



Vario table clamping attachment TWVAD (2 pcs./bag)

| Order-No. | Ø  | Angle                       | Jaw face width | kg   | qty. | V3 |
|-----------|----|-----------------------------|----------------|------|------|----|
|           | mm |                             | mm             |      |      |    |
| TW16VAD   | 16 | from 60° inner to 60° outer | 45             | 0.38 | 1    |    |
| TW28VAD   | 28 |                             | 45             | 0.57 | 1    |    |
| TWVAD     | —  |                             | 45             | 0.28 | 1    |    |



Toggle clamp adapter TWA-STC

| Order-No. | Ø  | Suitable for              | kg   | qty. | V3 |
|-----------|----|---------------------------|------|------|----|
|           | mm |                           |      |      |    |
| TW16A-STC | 16 | STC-HH / STC-IHH / STC-VH | 0.19 | 1    |    |
| TW28A-STC | 28 |                           | 0.28 | 1    |    |

- Accessory for BESSEY STC toggle clamp with horizontal base plate
- With bolt – for use directly on the welding table
- Without bolt – for screwing to the extension TWX



TWX



- Accessory for BESSEY toggle clamp adapter TWA-STC, TWVAD and TW28AV
- Lowering of round workpieces is infinitely adjustable using the adjusting ring in the table

Extension TWX

| Order-No. | Ø  | Suitable for                         | Adjusting range | kg   | qty. | V3 |
|-----------|----|--------------------------------------|-----------------|------|------|----|
|           | mm |                                      | mm              |      |      |    |
| TW16X     | 16 | TW16A-STC / TW16VAD / TWVAD          | 15-200          | 0.41 | 1    |    |
| TW28X     | 28 | TW28A-STC / TW28VAD / TWVAD / TW28AV | 15-300          | 1.76 | 1    |    |

## Clamping elements for welding tables



Tilting adapter TW28AV



| Order-No. | Ø  | Opening | Suitable for |  |  |    |
|-----------|----|---------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----|
|           | mm | mm      |              | kg                                                                                | qty.                                                                              | V3 |
| TW28AV    | 28 | 160     | TW28X        | 1.02                                                                              | 1                                                                                 |    |

- Clamping force up to 3,000 N
- Accessory for BESSEY extension TW28X
- Pivoting spindles with stepless adjustment from -52° to +52°
- Lockable trapezoidal nut for secure fastening of the workpiece
- High quality, 2-component plastic grip with long spindle



Attachment TW28H0



| Order-No. | Ø  | Suitable for                            |  |  |    |
|-----------|----|-----------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----|
|           | mm |                                         | kg                                                                                | qty.                                                                              | V3 |
| TW28H0    | 28 | BAS-C / BAS-CB / BAS0 / BSN / GRS / BSG | 0.14                                                                              | 1                                                                                 |    |

- Accessory for BESSEY work table clamp
- It can be used on welding tables by simply screwing it to the work table clamp





## Self-adjusting toggle clamps

# Even more flexible clamping up to 5-times faster



### Uncompromisingly versatile

One size of the BESSEY toggle clamp replaces multiple competitor sizes simultaneously:

- due to an extremely large clamping range, thanks to the patented mechanism

YouTube



### Ready to go – the first time and for quick set-up during workpiece changes

BESSEY STC toggle clamps adapt to workpieces of varying thickness – without manual setting of the spindle and, with practically the same clamping force:

- due to an automatic clamping width range



### Powerful and gentle

Even sensitive workpieces, e.g. with veneered or varnished surfaces, can be gently clamped:

- due to moving pressure plate with removable protective cap
- due to clamping force regulation via adjustment screw in the joint



## Self-adjusting toggle clamps



**Horizontal toggle clamp with open arm  
STC-HH**

| Order-No.                         | Opening<br>mm | Automatic<br>adjustment<br>mm | Clamping<br>force<br>appr. N | kg   | qty. | V3 |
|-----------------------------------|---------------|-------------------------------|------------------------------|------|------|----|
| <b>with horizontal base plate</b> |               |                               |                              |      |      |    |
| STC-HH20                          | 35            | 20                            | 1,100                        | 0.20 | 6    |    |
| STC-HH20SB                        | 35            | 20                            | 1,100                        | 0.20 | 3    |    |
| STC-HH50                          | 40            | 35                            | 2,500                        | 0.38 | 6    |    |
| STC-HH50SB                        | 40            | 35                            | 2,500                        | 0.38 | 3    |    |
| STC-HH70                          | 60            | 35                            | 2,500                        | 0.42 | 6    |    |
| STC-HH70SB                        | 60            | 35                            | 2,500                        | 0.42 | 3    |    |



**Push/pull clamp  
STC-IHH**

| Order-No.                         | Opening<br>mm | Automatic<br>adjustment<br>mm | Clamping<br>force<br>N | kg   | qty. | V3 |
|-----------------------------------|---------------|-------------------------------|------------------------|------|------|----|
| <b>with horizontal base plate</b> |               |                               |                        |      |      |    |
| STC-IHH15                         | 25            | 8                             | 1,100                  | 0.19 | 6    |    |
| STC-IHH25                         | 35            | 13                            | 2,500                  | 0.45 | 6    |    |
| STC-IHH25SB                       | 35            | 13                            | 2,500                  | 0.46 | 3    |    |



**Vertical toggle clamp with open arm  
STC-VH**

| Order-No.                         | Opening<br>mm | Automatic<br>adjustment<br>mm | Clamping<br>force<br>appr. N | kg   | qty. | V3 |
|-----------------------------------|---------------|-------------------------------|------------------------------|------|------|----|
| <b>with horizontal base plate</b> |               |                               |                              |      |      |    |
| STC-VH20                          | 35            | 20                            | 1,100                        | 0.22 | 6    |    |
| STC-VH50                          | 40            | 35                            | 2,500                        | 0.43 | 6    |    |

3D CAD data for download at <http://bessey.partcommunity.com>  
and/or [www.bessey.de](http://www.bessey.de)

You will find accessories on page 4



- Automatic and infinitely variable adjustment of the clamping height while clamping force remains unchanged – without having to make manual changes to the position of the pressure screws
- Adjustable clamping force based on the adjusting screw in the joint
- Sturdy, tempered metal sheets for a long service life
- Base plate hole pattern suitable for millimetres and inches
- High-quality oil-resistant two-component plastic handle





## Machine table clamps

# Instant and easy to apply clamping force



### Your benefits at a glance:

#### 1 Flexible in application

The work table clamps BS, BSG and the claw machine clamp GRS can be tilted and are infinitely adjustable.

#### 2 Rapid in application

The BS identifies a lever mechanism that facilitates quick clamping and releasing.

#### 3 In the tightest space

When unobstructed access to the work area is a requirement or when clamping has to be done in confined spaces, the claw machine clamp GRS provides the necessary function thanks to an externally-positioned spindle.

#### 4 Special tilting pressure plate

The BSG work table clamp has a heat-resistant pressure plate which is replaceable and can be tilted up to 35° so it can even clamp on angled or sloping surfaces. It has an extremely long service-life due to the oil-soaked sintered steel insert's excellent sliding and emergency running properties.



## Machine table clamps



### Hold down table clamp BS



| Order-No. | Clamping height max. | Throat depth | Rail       | Fixing screw hole Ø | kg   | qty. | V3 |
|-----------|----------------------|--------------|------------|---------------------|------|------|----|
|           | mm                   | mm           | mm         | mm                  |      |      |    |
| BS2N      | 200                  | 100          | 19.5 x 9.5 | 10.5                | 1.35 | 1    |    |
| BS3N      | 200                  | 120          | 22 x 10.5  | 13                  | 1.55 | 1    |    |
| BS4N      | 200                  | 120          | 28 x 11    | 16.5                | 2.65 | 1    |    |
| BS5N      | 240                  | 140          | 30 x 15    | 16.5                | 3.30 | 1    |    |
| BS6N      | 500                  | 140          | 30 x 15    | 16.5                | 4.00 | 1    |    |

- Clamping force up to 10,000 N
- Tilting and infinitely height-adjustable
- For drilling and light milling work
- Lever mechanism for rapid clamping and release



### Claw machine clamp GRS



| Order-No. | Clamp. height max. | Throat depth | Rail    | Fixing screw hole Ø | kg   | qty. | V3 |
|-----------|--------------------|--------------|---------|---------------------|------|------|----|
|           | mm                 | mm           | mm      | mm                  |      |      |    |
| GRS20-12  | 200                | 123-140      | 28 x 11 | 16.5                | 2.81 | 1    |    |

- Clamping force up to 7,500 N
- Swivelling, vertically infinitely adjustable clamp
- Externally-positioned spindle to allow unobstructed access to the work area and clamping in confined spaces
- For drilling and light milling work



### Hold down table clamps BSG



| Order-No. | Clamping height max. | Throat depth | Rail    | Fixing screw hole Ø | kg   | qty. | V3 |
|-----------|----------------------|--------------|---------|---------------------|------|------|----|
|           | mm                   | mm           | mm      | mm                  |      |      |    |
| BSG21-14  | 210                  | 140          | 30 x 15 | 16.5                | 3.22 | 1    |    |

- Clamping force up to 12,000 N
- For fastening to tables and other equipment
- Long life due to heat-resistant pressure plate with sintered steel insert, which can be tilted up to 35°



## Machine table clamps

# With extra-high clamping pressure, space saving design



### Your benefits at a glance:

#### 1 Housings and clamping arms made from tempered stainless steel

BAS clamps are approx. 30 % smaller than comparable tools made by competitors and still provide the same high clamping forces. At a perpendicular to the jaw face, the self-locking worm gear unit exerts up to 16,000 N.

#### 2 Clamping arm variants with polyamide seal

To provide for gentle clamping with optimum weight distribution, the short and long clamping arms of the BAS models are equipped with a swivelling aluminium pressure shoe. And when clamping has to be done in corners, BSP models equipped with a pointed clamping arm are the perfect tools. A special polyamide seal protects the interior against dirt.

#### 3 Open or closed fastening holes

Models with an open hole can be clamped and unclamped more quickly. In closed versions, the screw, nut and clamp form a unit. All BAS clamps are easily fastened and released – thanks to the T bar wrench with an integrated hexagon ball head.

#### 4 Space saving and adjustable

The compact design, both in height and surface requirements, distinguishes all of the models. Clamping height can be increased progressively in 80 mm steps with the BESSEY BASO base unit. When using more than one base unit, care must be taken to provide precise workpiece contact surfaces.



## Machine table clamps



### BAS-C compact clamp, fixing hole open



**BAS-C9-4**  
**BAS-C10-6**  
**BSP-C10-6**

| Order-No. | Opening | Throat depth |  |  |    |
|-----------|---------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----|
|           | mm      | mm           | kg                                                                                | qty.                                                                              | V3 |
| BAS-C9-4  | 88      | 40           | 1.30                                                                              | 1                                                                                 |    |
| BAS-C10-6 | 97      | 60           | 1.30                                                                              | 1                                                                                 |    |
| BSP-C10-6 | 97      | 60           | 1.30                                                                              | 1                                                                                 |    |



### BAS-CB compact clamp, fixing hole closed



**BAS-CB9-4**  
**BAS-CB10-6**  
**BSP-CB10-6**

| Order-No.  | Opening | Throat depth |  |  |    |
|------------|---------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----|
|            | mm      | mm           | kg                                                                                | qty.                                                                              | V3 |
| BAS-CB9-4  | 88      | 40           | 1.30                                                                              | 1                                                                                 |    |
| BAS-CB10-6 | 97      | 60           | 1.30                                                                              | 1                                                                                 |    |
| BSP-CB10-6 | 97      | 60           | 1.30                                                                              | 1                                                                                 |    |



### Base unit BASO

| Order-No. | Clamping height | Fastening thread | For socket head screw DIN 912 |  |  |    |
|-----------|-----------------|------------------|-------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|
|           | mm              |                  |                               | kg                                                                                  | qty.                                                                                | V3 |
| BASO      | 80              | M 10             | M 10 / M 12                   | 0.45                                                                                | 1                                                                                   |    |



- Clamping force up to 16,000 N
- Space-saving construction, thus up to 30% smaller than comparable competitive models
- Housing and pressure arm made from hardened and tempered stainless steel, making it extremely robust and durable
- Available in three pressure arm versions: Short and long pressure arm with swivelable aluminium pressure shoe or pointed pressure arm for clamping on narrow sections or in confined spaces
- BAS-C with open fixing hole and BAS-CB with closed fixing hole for M10/M12



- 80 mm extension
- Stackable
- Fastening hole open, including cheese head screw
- Suitable for all BESSEY BAS clamps

3D CAD data for download at [www.bessey.de](http://www.bessey.de)  
You will find accessories on page 5

# Further proven products across the field of welding



YouTube



- Automatic adjustment to workpieces of various thicknesses
- Sturdy jaws and base plate made from high-quality cast iron
- The copper-plated spindle prevents welding splatter from sticking
- Precise 90°-angles



Welders’ angle clamps WSM

| Order-No. | Opening | Current passage max. | Jaw height | Jaw length |  |  |    |
|-----------|---------|----------------------|------------|------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----|
|           | mm      | mm                   | mm         | mm         | kg                                                                                    | qty.                                                                                  | V3 |
| WSM9      | 2 x 90  | 60                   | 35         | 110        | 3.80                                                                                  | 1                                                                                     |    |
| WSM12     | 2 x 120 | 100                  | 61         | 120        | 7.80                                                                                  | 1                                                                                     |    |

## Grip pliers



### Parallel grip GRZ



| Order-No. | Opening | Throat depth |  |  | V3 |
|-----------|---------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----|
|           | mm      | mm           | kg                                                                                | qty.                                                                              |    |
| GRZ10     | 100     | 65           | 1.00                                                                              | 10                                                                                |    |
| GRZ20     | 200     | 65           | 1.20                                                                              | 10                                                                                |    |



### C-grip GRZC



| Order-No. | Opening | Throat depth | Clamping depth d |  |  | V3 |
|-----------|---------|--------------|------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----|
|           | mm      | mm           | mm               | kg                                                                                | qty.                                                                              |    |
| GRZC      | 110     | 80           | 40               | 1.10                                                                              | 10                                                                                |    |



### Variogrip GRZV



| Order-No. | Opening | Throat depth | Clamping depth d |  |  | V3 |
|-----------|---------|--------------|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|
|           | mm      | mm           | mm               | kg                                                                                  | qty.                                                                                |    |
| GRZV      | 100     | 50-80        | 43               | 1.25                                                                                | 10                                                                                  |    |



### Pipe grip GRZRO



| Order-No. | For pipes Ø | Throat depth |  |  | V3 |
|-----------|-------------|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|
|           | mm          | mm           | kg                                                                                  | qty.                                                                                |    |
| GRZRO     | 0-110       | 65           | 1.30                                                                                | 10                                                                                  |    |

- Parallel jaw faces
- Prism recess for small round parts
- Includes pressure caps for gentle clamping of sensitive surfaces

YouTube



- For step-over clamping from both sides

- Throat depth and opening are infinitely adjustable thanks to split sliding arm
- For clamping work pieces of different thicknesses, or non-aligned work pieces

- Ideal for holding round objects of constant diameter
- Includes pressure caps
- Gentle clamping of sensitive surfaces
- Suitable for tack welding, heat-resistant up to 200°C



## Earth (ground) clamps



- With malleable cast iron arms
- Ergonomically shaped wood handle
- Grounding connection hole in the upper part

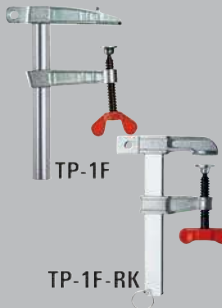


Earth (ground) clamp LP / TP  
with tried-and-true wooden handle

| Order-No. | Opening | Throat depth | Rail   | Hole Ø | Strength current max. |  |  |    |
|-----------|---------|--------------|--------|--------|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|
|           | mm      | mm           | mm     | mm     | A                     | kg                                                                                  | qty.                                                                                | V1 |
| LP-1      | 150     | 60           | 20 x 5 | 10.5   | 300                   | 0.50                                                                                | 10                                                                                  |    |
| TP-1      | 150     | 80           | 25 x 6 | 10.5   | 400                   | 0.78                                                                                | 10                                                                                  |    |



- With malleable cast iron arms
- Practical thumb screw
- Grounding connection hole in the upper part
- TP...F-RK: Cable strain relief at rail end / ring internal diameter 30 mm



Earth (ground) clamp LP / TP  
with thumb screw

| Order-No. | Opening | Throat depth | Rail   | Hole Ø | Strength current max. |  |  |    |
|-----------|---------|--------------|--------|--------|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|
|           | mm      | mm           | mm     | mm     | A                     | kg                                                                                  | qty.                                                                                | V1 |
| LP-1F     | 150     | 60           | 20 x 5 | 10.5   | 300                   | 0.53                                                                                | 10                                                                                  |    |
| TP-1F     | 150     | 80           | 25 x 6 | 10.5   | 400                   | 0.78                                                                                | 10                                                                                  |    |
| TP-2F     | 150     | 60           | 30 x 8 | 11     | 600                   | 1.20                                                                                | 20                                                                                  |    |
| TP-1F-RK  | 150     | 80           | 25 x 6 | 10.5   | 400                   | 0.78                                                                                | 10                                                                                  |    |
| TP-2F-RK  | 150     | 80           | 30 x 8 | 11     | 600                   | 1.20                                                                                | 20                                                                                  |    |



- With malleable cast iron arms
- Tommy bar with rounded ends for simple transfer of force when clamping
- Grounding connection hole in the upper part



Earth (ground) clamp TP  
with tommy bar

| Order-No. | Opening | Throat depth | Rail   | Hole Ø | Strength current max. |  |  |    |
|-----------|---------|--------------|--------|--------|-----------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----|
|           | mm      | mm           | mm     | mm     | A                     | kg                                                                                    | qty.                                                                                  | V1 |
| TP-1K     | 150     | 80           | 25 x 6 | 10.5   | 400                   | 0.75                                                                                  | 10                                                                                    |    |



- With malleable cast iron arms
- Grounding connection hole at end of rail



Earth (ground) clamp TGP

| Order-No. | Opening | Throat depth | Rail   | Hole Ø | Strength current max. |  |  |    |
|-----------|---------|--------------|--------|--------|-----------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----|
|           | mm      | mm           | mm     | mm     | A                     | kg                                                                                    | qty.                                                                                  | V1 |
| TG-P12    | 120     | 60           | 20 x 5 | 10.5   | 200                   | 0.42                                                                                  | 10                                                                                    |    |
| TG-P20    | 200     | 100          | 27 x 7 | 13     | 350                   | 1.08                                                                                  | 10                                                                                    |    |



- With C-shaped malleable cast iron arms



Earth (ground) clamp CP

| Order-No. | Opening | Throat depth | Hole Ø | Strength current max. |  |  |    |
|-----------|---------|--------------|--------|-----------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----|
|           | mm      | mm           | mm     | A                     | kg                                                                                    | qty.                                                                                  | V1 |
| CP-F      | 50      | 30           | 8.4    | 200                   | 0.19                                                                                  | 10                                                                                    |    |

## Further clamping and cutting tools from the complete BESSEY range



### Original BESSEY all-steel screw clamps GZ

- 20 % more clamping force per spindle rotation with optimised rail profile
- Maximum security with linear transfer of force at the sliding arm
- Clamping force up to 6,000 N
- High-quality 2-component plastic handle
- Pressure plates can be replaced by hand – no need for tools (from 80 mm width)
- Fixed jaw and sliding arm are constructed of tempered steel for resilient clamping

### High-performance clamps SLM / SGM / SGTM / STBM / STBS / STBVC

- Clamping force from 8,500 N (SLM) up to 35,000 N (STBVC)
- Long life due to heat-resistant pressure plate with sintered steel insert, which can be tilted by up to 35°



### Variable high-performance clamps – Complete sets SLV / GSV

- Clamping force up to 6,500 N / 9,000 N
- Tipping is prevented through central positioning on the workpiece
- Long service life thanks to special heat-resistant pressure plate with sintered steel insert, can be tilted by up to 35°
- Clamp can be fed through an opening in the workpiece/component



### Lever clamps GH / SGHS

- Rapid – up to 5 x faster than conventional clamps
- Secure – vibration resistant
- Strong – clamping force up to 8,500 N / 9,500 N

### ERDI Compound leverage snips and Standard tin snips

- Shape and straight cutting snips, Shape cutting snips and Straight cutting snips
- Right or left cutting versions available
- Cutting edges in different steel qualities



You will find detailed information in the catalogue and online at [www.bessey.de](http://www.bessey.de)

Two companies – one philosophy

**BESSEY focuses on quality.**



That has made BESSEY Tool one of the largest suppliers of manual clamping and cutting tools in the world. In order to guarantee the best quality, rails and spindles for example are drawn directly from BESSEY Precision Steel. Round and profile bar steels with the tightest tolerances and highest quality surfaces are produced here, for the automotive and machine construction sectors for example.

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PR 02/2019  
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More information  
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