

Clamping elements for welding tables

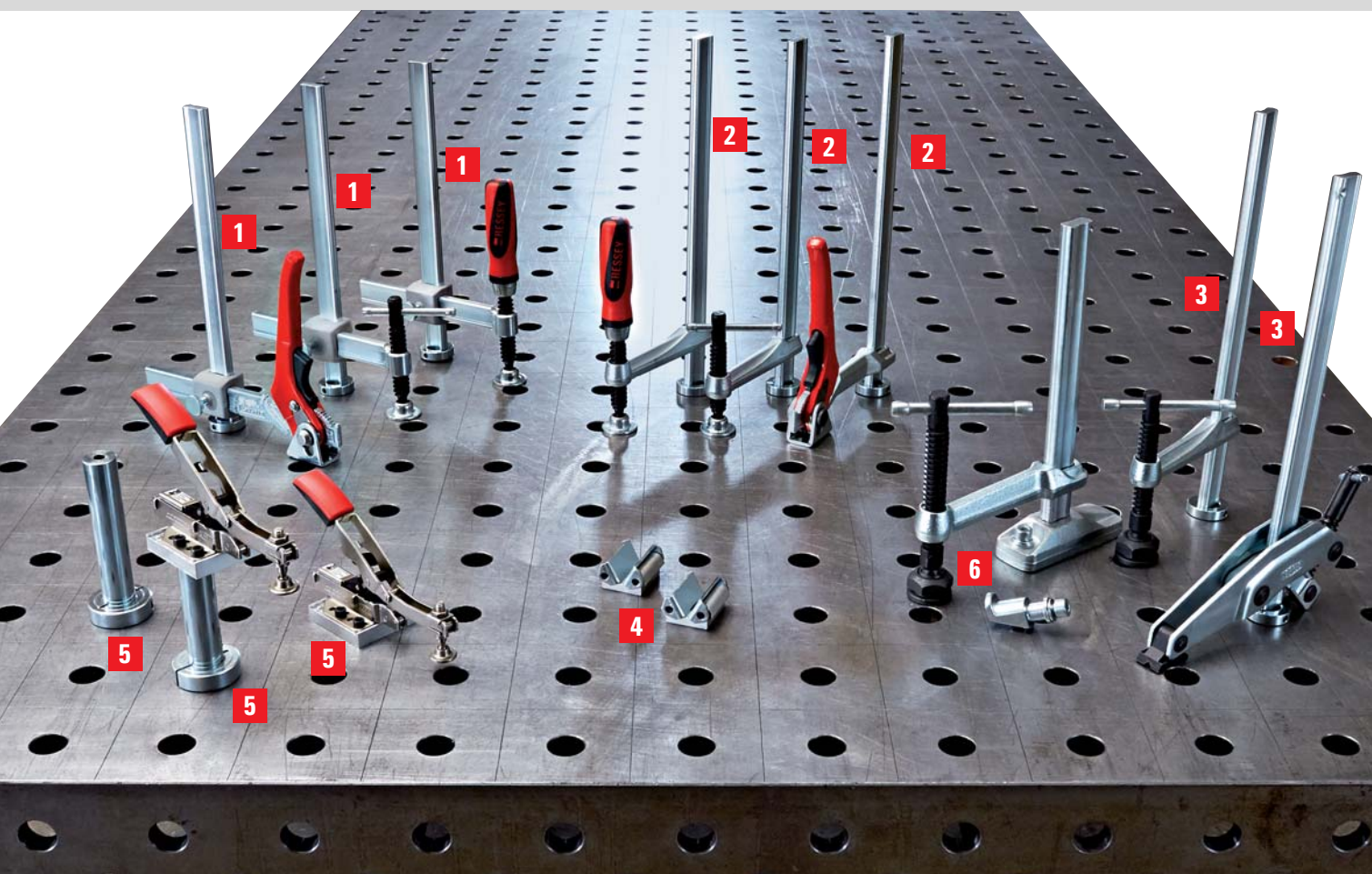
# Clamping specialists promote safe welding



## Bringing our experience to the table

BESSEY has now transferred its experience of clamping tools amassed over the course of many decades into the development of its new clamping elements for welding tables with 28 mm fastening holes. It offers a comprehensive range of practical aids, with varied uses, to facilitate your day-to-day work. With the standard clamping elements, you can choose from 3 handle designs, as well as versions with either variable or fixed throat depth. The range also contains a clamping element with

a heat-resistant special pressure plate and a gripping arm variant to enable easy access to the work area. In order to clamp oval-shaped, round and square workpieces, special table clamping attachments are available. BESSEY toggle clamps and work table clamps can also be used on welding tables thanks to special adapters, extensions and attachments. All elements can be integrated into the table without using tools, which makes them highly adaptable and enables comfortable, safe and precise operation. Try them out for yourself!



## Your benefits at a glance:

### 1 Flexible throat depth

BESSEY TWV28 clamping elements for welding tables not only have infinitely adjustable throat depth, but are also available in 3 handle variants.

### 2 120 mm or 140 mm throat depth

On BESSEY TW28 clamping elements, you can choose among 3 handle variants and two 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 TW28VAD and 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 TW28A-STC adapter and the appropriate TW28X extension, BESSEY toggle clamps with a horizontal base plate can also be rapidly applied to welding tables.

### 6 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 TW28HO attachment into the hole on the bottom of the work table clamp.

## Clamping elements for welding tables

NEW

### Clamping element for welding tables with variable throat depth TWV28



- Precise, individual clamping
  - Tempered profile and sliding arm for sprung and elastic clamping
  - Infinitely adjustable throat depth
- Various design versions:

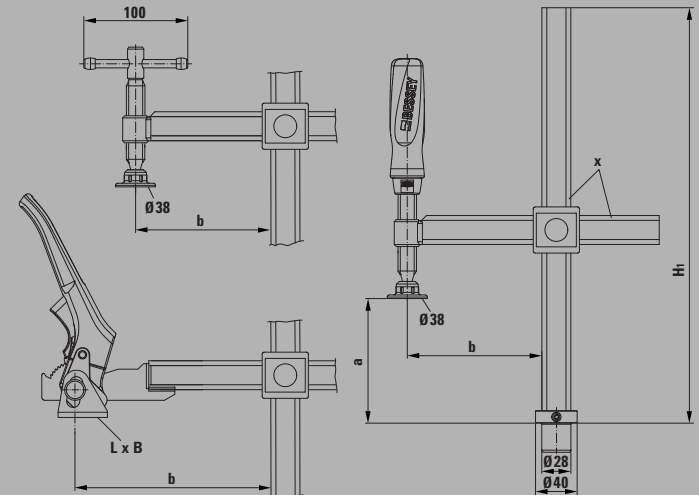
- High quality 2-component plastic handle and tommy bar with rounded ends – each with smooth-running trapezoidal threaded spindle and tool-free pressure plate replacement
- Lever handle with an indexing mechanism for controlled, fast and vibration-proof clamping

TWV28...-2K

TWV28...K

TWV28...H

| Nº             | Hole Ø | Clamping height max. | ← b →   | ← x →   | ⚖    | 📦    |        |
|----------------|--------|----------------------|---------|---------|------|------|--------|
|                | mm     | mm                   | mm      | mm      | kg   | qty. | VB0003 |
| 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    |        |



NEW

### Clamping element for welding tables TW28



- Precise, individual clamping
  - Tempered profile and sliding arm for sprung and elastic clamping
- Various design versions:

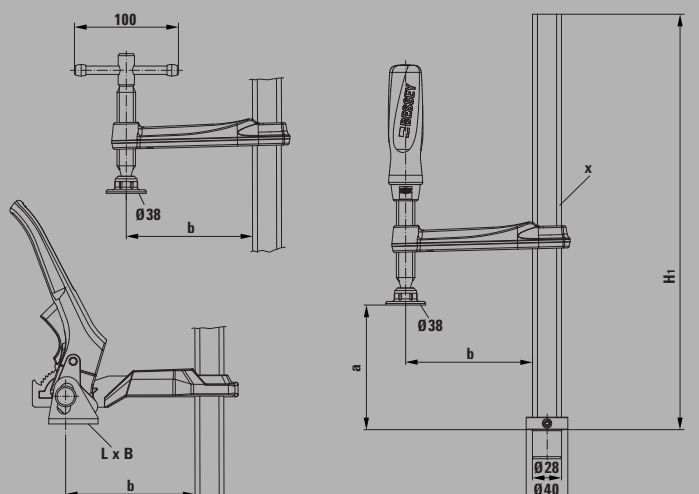
- High quality 2-component plastic handle and tommy bar with rounded ends – each with smooth-running trapezoidal threaded spindle and tool-free pressure plate replacement
- Lever handle with an indexing mechanism for controlled, fast and vibration-proof clamping

TW28...-2K

TW28...K

TW28...H

| Nº            | Hole Ø | Clamping height max. | ← b → | ← x →   | ⚖    | 📦    |        |
|---------------|--------|----------------------|-------|---------|------|------|--------|
|               | mm     | mm                   | mm    | mm      | kg   | qty. | VB0003 |
| 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 elements for welding tables

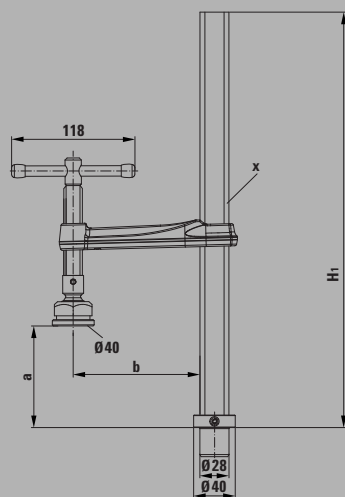


**NEW**

## Clamping element for welding tables with special pressure plate TWM28



| Nº          | Hole<br>Ø | Clamping<br>height<br>max. | ← b → | ← X →   | ⚖    | 📦    |        |
|-------------|-----------|----------------------------|-------|---------|------|------|--------|
|             | mm        | mm                         | mm    | mm      | kg   | qty. | VB0003 |
| TWM28-30-12 | 28        | 300                        | 120   | 28 x 11 | 1.78 | 1    |        |



- 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 be tilted up to 35°



## Special pressure plate



| Nº      | Description |        |
|---------|-------------|--------|
|         |             | VB0003 |
| 3100736 | Standard    |        |
| 3101192 | Serrated    |        |
| 3101193 | V-grooved   |        |

- 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

## Table dimensions

| Order-<br>No.  | Clamping height<br>max.<br>"a" | Throat depth<br>"b" | Height of base<br>"H1" | Pressure plate<br>dimensions |     | Foot "F"    |                | Rail<br>profile | Fastening<br>hole<br>"Ø" |
|----------------|--------------------------------|---------------------|------------------------|------------------------------|-----|-------------|----------------|-----------------|--------------------------|
|                |                                |                     |                        | "L x B"                      | "Ø" | Foot<br>"Ø" | Foot<br>height |                 |                          |
|                | mm                             | mm                  | mm                     | mm                           | mm  | mm          | mm             | mm              | mm                       |
| TWV28-30-17-2K | 300                            | 40-175              | 400                    | –                            | 38  | 40          | 12             | 28 x 11         | 28                       |
| TWV28-30-17-K  | 300                            | 40-175              | 400                    | –                            | 38  | 40          | 12             | 28 x 11         | 28                       |
| TWV28-30-17-H  | 300                            | 110-175             | 400                    | 47 x 31                      | –   | 40          | 12             | 28 x 11         | 28                       |
| TW28-30-12-2K  | 300                            | 120                 | 400                    | –                            | 38  | 40          | 12             | 28 x 11         | 28                       |
| TW28-30-14-2K  | 300                            | 140                 | 400                    | –                            | 38  | 40          | 12             | 28 x 11         | 28                       |
| TW28-30-12-K   | 300                            | 120                 | 400                    | –                            | 38  | 40          | 12             | 28 x 11         | 28                       |
| TW28-30-14-K   | 300                            | 140                 | 400                    | –                            | 38  | 40          | 12             | 28 x 11         | 28                       |
| TW28-30-12-H   | 300                            | 120                 | 400                    | 47 x 31                      | –   | 40          | 12             | 28 x 11         | 28                       |
| TW28-30-14-H   | 300                            | 140                 | 400                    | 47 x 31                      | –   | 40          | 12             | 28 x 11         | 28                       |
| TWM28-30-12    | 300                            | 120                 | 400                    | –                            | 40  | 40          | 12             | 28 x 11         | 28                       |

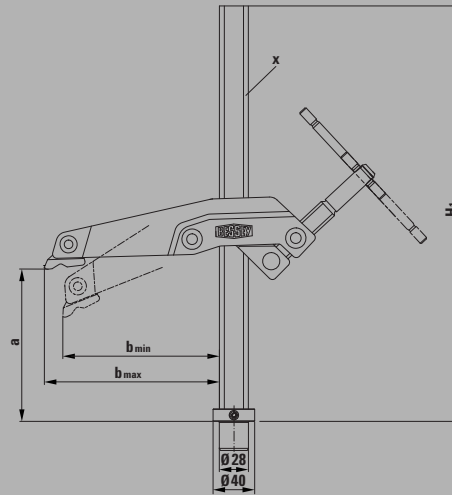
## Clamping elements for welding tables

**NEW**

### Clamping element for welding tables with gripping arm TW28GRS



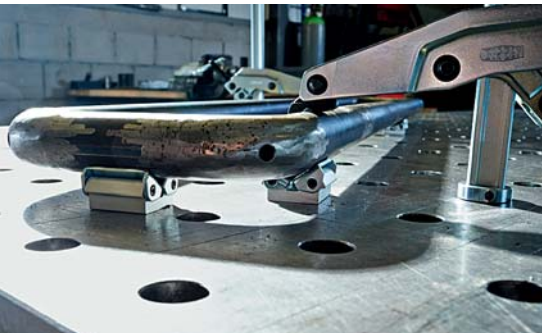
| Nº           | Hole<br>Ø | Clamping<br>height<br>max. | ← b → | ← x →   |      |      |        |
|--------------|-----------|----------------------------|-------|---------|------|------|--------|
|              | mm        | mm                         | mm    | mm      | kg   | qty. | VB0003 |
| TW28GRS30-12 | 28        | 300                        | 120   | 28 x 11 | 2.33 | 1    |        |



- 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

**NEW**

### Vario table clamping attachment TW28VAD and TWVAD



TW28VAD



TWVAD



| Nº      | Hole<br>Ø |                             | Jaw face<br>width |      |      |        |
|---------|-----------|-----------------------------|-------------------|------|------|--------|
|         | mm        |                             | mm                | kg   | qty. | VB0003 |
| TW28VAD | 28        | from 60° inner to 60° outer | 45                | 0.57 | 2    |        |
| TWVAD   |           | from 60° inner to 60° outer | 45                | 0.28 | 2    |        |

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

Various design versions:

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

## Clamping elements for welding tables



**NEW**

### Toggle clamp adapter TW28A-STC



| N <sup>o</sup> | Hole<br>Ø | Suitable<br>for              | kg   | qty. | VB0003 |
|----------------|-----------|------------------------------|------|------|--------|
|                | mm        |                              |      |      |        |
| TW28A-STC      | 28        | STC-VH / STC-HH /<br>STC-IHH | 0.28 | 1    |        |



**NEW**

### Extension TW28X



| N <sup>o</sup> | Hole<br>Ø | Suitable<br>for | Adjusting<br>range | kg   | qty. | VB0003 |
|----------------|-----------|-----------------|--------------------|------|------|--------|
|                | mm        |                 | mm                 |      |      |        |
| TW28X          | 28        | TW28A-STC       | 15 - 300           | 1.76 | 1    |        |



**NEW**

### Attachment TW28H0



| N <sup>o</sup> | Hole<br>Ø | Suitable<br>for                            | kg   | qty. | VB0003 |
|----------------|-----------|--------------------------------------------|------|------|--------|
|                | mm        |                                            |      |      |        |
| TW28H0         | 28        | BAS-C / BAS-CB / BASO /<br>BSN / GRS / BSG | 0.14 | 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 TW28X

- Accessory for BESSEY toggle clamp adapter TW28A-STC
- Lowering of round workpieces is infinitely adjustable using the adjusting ring in the table

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

### Table dimensions

| Order-<br>No. | Clamping height<br>max.<br>"a" | Throat depth<br>"b" | Height of base<br>"H1" | Pressure plate<br>dimensions<br>"L x B" | Foot "F"    |                | Rail<br>profile |
|---------------|--------------------------------|---------------------|------------------------|-----------------------------------------|-------------|----------------|-----------------|
|               |                                |                     |                        |                                         | Foot<br>"Ø" | Foot<br>height |                 |
|               | mm                             | mm                  | mm                     | mm                                      | mm          | mm             | mm              |
| TW28GRS30-12  | 300                            | 123-140             | 400                    | 38 x 25                                 | 40          | 12             | 28 x 11         |