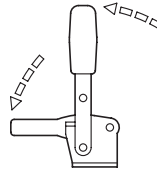


2 Type

- A** Forked clamping arm, with two flanged washers
- C** Forked clamping arm, with two flanged washers and clamping screw GN 708.1
- E** Solid clamping arm, with clasp for welding

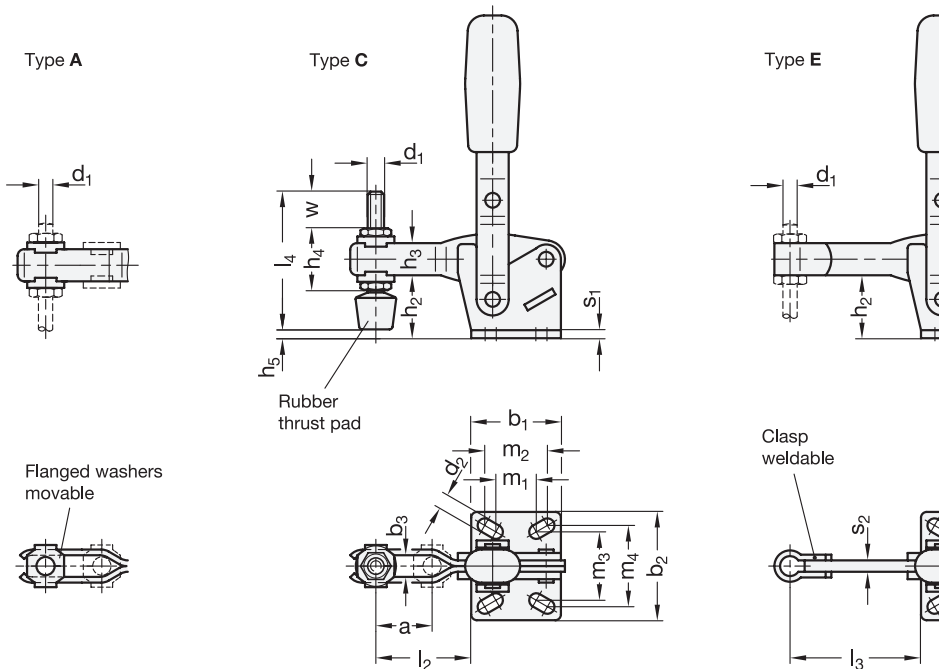
Operating principle



1

| Size | Steel | Stainless steel | F _H in N Holding capacity | a ≈ | b ₁ | b ₂ | b ₃ | d ₁ | d ₂ ≈ | h ₁ ≈ | h ₂ | h ₃ | h ₄ | h ₅ |
|------|-------|-----------------|---|-----|----------------|----------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|----------------|
| 75 | 75 | 75 | 750 | 20 | 29 | 34 | 5,2 | M 5 | 4,5 | 98 | 20,5 | 11 | 19 | 5,5 |
| 130 | 130 | 130 | 1050 | 28 | 35 | 42 | 6,2 | M 6 | 5,5 | 142 | 28 | 16 | 25,5 | 11,3 |
| 230 | 230 | 230 | 2000 | 40 | 43 | 45 | 8,5 | M 8 | 6,5 | 168 | 33,5 | 18 | 30 | 9,5 |
| 330 | - | - | 2400 | 43 | 50 | 65 | 10,5 | M 10 | 8,5 | 195 | 43 | 22 | 37 | 15 |
| 430 | - | - | 2800 | 64 | 58 | 65 | 12,5 | M 12 | 8,5 | 247 | 55,5 | 26 | 43 | 23 |
| 530 | - | - | 4500 | 90 | 80 | 95 | 12,5 | M 12 | 12,5 | 303 | 84,5 | 32 | 49 | 52 |

| Size | Steel | Stainless steel | l ₁ ≈ Type A Type C | Type E | l ₂ ≈ | l ₃ max. | l ₄ | m ₁ | m ₂ | m ₃ | m ₄ | r ≈ | s ₁ | s ₂ | w Adjustable range |
|------|-------|-----------------|--------------------------------------|--------|------------------|------------------------|----------------|----------------|----------------|----------------|----------------|------|----------------|----------------|-----------------------|
| 75 | 75 | 75 | 66,5 | 67 | 31,5 | 41 | 45 | 15 | 16 | 24 | 24 | 62,5 | 2 | 4 | 15 |
| 130 | 130 | 130 | 85 | 86 | 42 | 54 | 55 | 12,5 | 19 | 27 | 29 | 79,5 | 2,5 | 5 | 17,5 |
| 230 | 230 | 230 | 110,5 | 112 | 58 | 73 | 68 | 19 | 20 | 32 | 32 | 104 | 3 | 6 | 20 |
| 330 | - | - | 129 | 130,5 | 66 | 86 | 77 | 29 | 32 | 46 | 45 | 122 | 3,5 | 7 | 19 |
| 430 | - | - | 164 | 166 | 88 | 114 | 100 | 32 | 32 | 45 | 45 | 156 | 4 | 10 | 33 |
| 530 | - | - | 223 | 225 | 125 | 152 | 100 | 50 | 51 | 70 | 70 | 212 | 7 | 10 | 27 |



Specification

- Steel
 - Case-hardened Steel C 10
 - Zinc plated, blue passivated
 - Bearing pins tempered
 - Bearing rivets (for size 230 and up)
 - Case-hardened
- Stainless steel AISI 304 **NI**
- All moving parts
Lubricated with special grease
- Solid designed plastic handle
Red, oil resistant
- Clamping screw GN 708.1, type A
 - Steel, zinc plated, blue passivated /
 - Stainless steel AISI 304
 - Rubber thrust pad 85 Shore A
- *Stainless Steel Characteristics* → Page 2166
- **RoHS**

Accessory

- Clamping Screws → Page 810 ff.
- Holders for Clamping Screws GN 801
(for Type A) → Page 815
- Holders for Clamping Screws GN 809
(for Type E) → Page 818
- Clamping Arm Extenders GN 801.1
(for Type A) → Page 816
- Clamping Arm Extenders GN 801.2
(for Type E) → Page 817
- Clamping Arm Extenders GN 809.1
(for Type E) → Page 819



Information

Toggle clamps GN 810 work according to the toggle principle, operating lever and clamping arm move in the same direction. In the clamped position the operating lever is in vertical position.

Toggle clamps with forked clamping arm, in type A with two flanged washers, can accommodate an application specific screw. For type C, a clamping screw with neoprene rubber thrust pad is also included.

Toggle clamps in type E can be adapted to special requirements by welding with the supplied clasp or together with the clamping arm extenders GN 809.

see also...

- *General Information for Toggle Clamps* → Page 698
- *Toggle Clamps GN 910 („Longlife“)* → Page 712
- *Toggle Clamps GN 810.1 (with Vertical Mounting Base)* → Page 702

How to order (Steel)

| | |
|------------------------|--------|
| GN 810-75-E | 1 Size |
| | 2 Type |

How to order (Stainless steel)

| | |
|---------------------------|------------|
| GN 810-75-A-NI | 1 Size |
| | 2 Type |
| | 3 Material |

