

Rost frei
Inox
Stainless
Steel

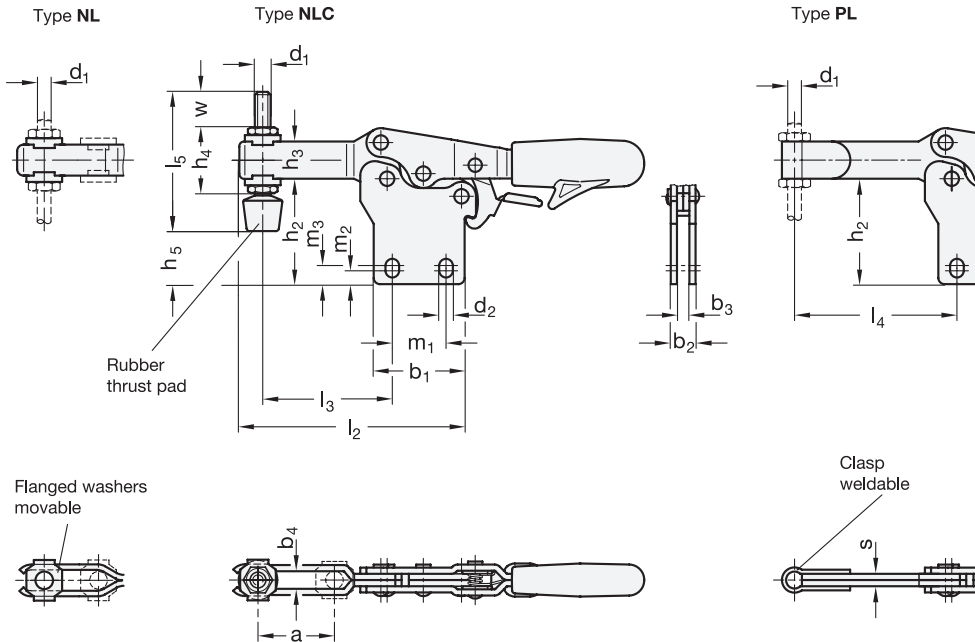
- 2 Type**
- NL** Forkeled clamping arm, with two flanged washers
 - NLC** Forkeled clamping arm, with two flanged washers and clamping screw GN 708.1
 - PL** Solid clamping arm, with clasp for welding

Operating principle

1

| Size | Steel | Stainless steel | F_H in N | Holding capacity | $a \approx$ | b_1 | b_2 | b_3 | b_4 | d_1 | d_2 | $h_1 \approx$ | h_2 | h_3 |
|------|-------|-----------------|------------|------------------|-------------|-------|-------|-------|-------|-------|-------|---------------|-------|-------|
| 75 | 75 | 75 | 900 | | 20 | 28 | 8 | 4 | 5,3 | M 5 | 4,5 | 45,5 | 29 | 11 |
| 130 | 130 | 130 | 1000 | | 32 | 36 | 10 | 5 | 6,3 | M 6 | 5,6 | 64,5 | 44 | 16 |
| 230 | 230 | 230 | 1700 | | 37 | 44 | 12 | 6 | 8,5 | M 8 | 6,6 | 75,5 | 51 | 18 |
| 355 | - | - | 1800 | | 58 | 60 | 14 | 7 | 10,5 | M 10 | 8,6 | 102 | 69,5 | 22 |
| 455 | - | - | 3200 | | 65 | 70 | 18 | 10 | 12,5 | M 12 | 8,7 | 120 | 80,5 | 26 |

| Size | Steel | Stainless steel | h_4 | h_5 max. | $l_1 \approx$ | $l_2 \approx$ | $l_3 \approx$ | l_4 max. | l_5 | m_1 | m_2 | m_3 | $r \approx$ | s | w Adjustable range |
|------|-------|-----------------|-------|------------|---------------|---------------|---------------|------------|-------|-------|-------|-------|-------------|-----|----------------------|
| 75 | 75 | 75 | 19 | 14 | 118 | 67 | 40 | 49,5 | 45 | 13,5 | 3,5 | 5 | 42,5 | 4 | 15 |
| 130 | 130 | 130 | 25,5 | 27,5 | 172 | 92,5 | 54 | 64 | 55 | 26 | 5,8 | 8,8 | 62,5 | 5 | 17,5 |
| 230 | 230 | 230 | 30 | 27 | 196 | 109 | 64,5 | 79 | 68 | 26 | 6,5 | 9 | 71,5 | 6 | 20 |
| 355 | - | - | 37 | 41 | 270 | 160 | 98,5 | 116 | 77 | 41 | 7,5 | 9,6 | 109 | 7 | 19 |
| 455 | - | - | 43 | 48 | 305 | 184 | 115,5 | 136 | 100 | 41,5 | 11 | 12,5 | 126 | 10 | 33 |



Specification

- Steel —
- Case-hardened Steel C10
- Zinc plated, blue passivated
- Bearing pins tempered
- Bearing rivets (for size 355 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 NL) → Page 815
- Holders for Clamping Screws GN 809 (for Type PL) → Page 818
- Clamping Arm Extenders GN 801.1 (for Type NL) → Page 816
- Clamping Arm Extenders GN 801.2 (for Type NL) → Page 817
- Clamping Arm Extenders GN 809.1 (for Type PL) → Page 819

Information

Toggle clamps GN 820.4 have a safety function whereby, during closing, a spring loaded safety hook latch ensures a secure locking connection. It prevents the inadvertent unlocking of the clamp due to vibrations or an accidental attempt of loosening / opening of the clamp. To open and release the clamp, pull up on the finger grip to disengage the safety hook latch mechanism (one hand operation).

They work according to the toggle principle, lever and clamping bar move in the opposite direction. They require less space for the clamping action. Toggle clamps with forked clamping arm, with two flanged washers (type NL) can accommodate an application specific clamping screw. A clamping screw with neoprene rubber tip is also included for type NLC.

Toggle clamps in the type PL version can either be utilized by welding the clasp which can then accommodate an application specific hold-down fastener component, or by utilizing the bar in conjunction with the GN 809 holders for clamping screws to hold the work piece in place.

see also...

- *General Information for Toggle Clamps* → Page 698

How to order (Steel)

| | | |
|------------------------|---|------|
| GN 820.4-455-NL | 1 | Size |
| | 2 | Type |

How to order (Stainless steel)

| | | |
|---------------------------|---|----------|
| GN 820.4-130-PL-NI | 1 | Size |
| | 2 | Type |
| | 3 | Material |

1.1
1.2
1.3
1.4
2.1
2.2
2.3
2.4

