

**Rost frei**  
Inox  
Stainless  
Steel

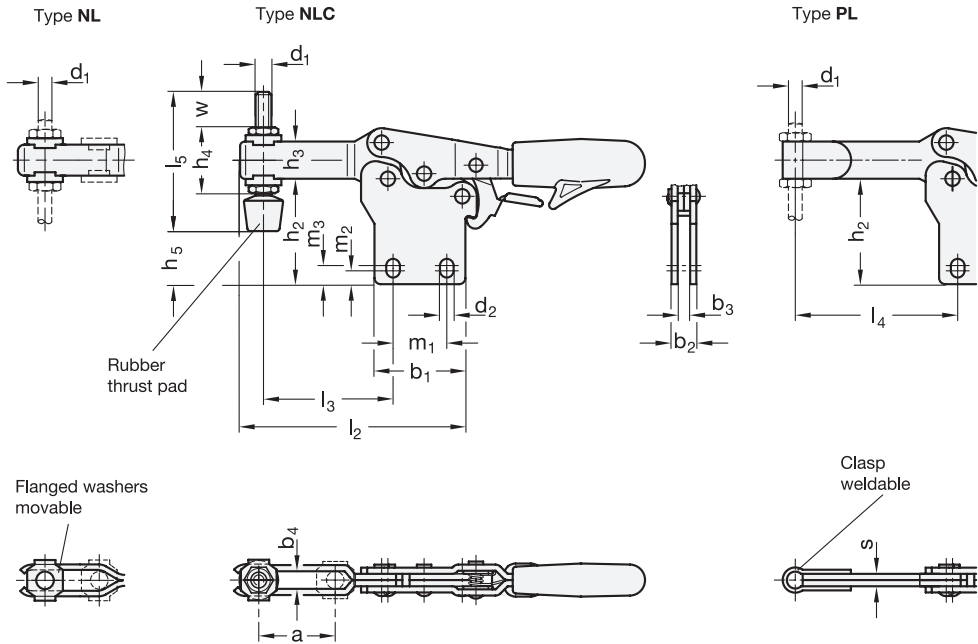
- 2 Type**
- NL** Forked clamping arm, with two flanged washers
  - NLC** Forked clamping arm, with two flanged washers and clamping screw GN 708.1
  - PL** Solid clamping arm, with clasp for welding

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

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- 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
- 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)	
1	Size
<b>GN 820.4-455-NL</b>	
2	Type

How to order (Stainless steel)	
1	Size
<b>GN 820.4-130-PL-NI</b>	
2	Type
3	Material

1.1  
1.2  
1.3  
1.4  
2.1  
2.2  
2.3  
2.4

