



**2 Type**

- A** U-bar version with two flanged washers
- C** U-bar version with two flanged washers and GN 708.1 Spindle Assembly (Type A)
- E** Solid bar version with clasp

**Specification**

- Toggle clamp
  - Case-hardened steel C10 zinc plated, blue passivated finish
  - Bearing pins tempered
  - Bearing rivets (for size 230 and up) case-hardened
- All moving parts lubricated with special grease
- Hand grip
  - High quality, oil resistant red plastic
- Neoprene spindle assembly (Type C)
  - Threaded stud
    - Steel, zinc plated, blue passivated finish
  - Spindle tip
    - Black neoprene rubber (CR), 85° shore A, vulcanized
- Mounting holes accommodate inch or metric size screws
- RoHS compliant

**Accessory**

- Spindle assemblies → page 114 ff.
- GN 801 Clamp Mounts for Toggle Clamps (for Type A) → page 122
- GN 809 Clamp Mounts for Toggle Clamps (for Type E) → page 123

**Information**

GN 810 vertical acting toggle clamps work according to the toggle principle: lever and clamping bar move in the same direction. In the clamped position the operating lever is in its vertical position.

Vertical acting toggle clamps in the U-bar version with two flanged washers (Type A) can accommodate an application specific clamping screw. A spindle assembly with neoprene rubber tip is also included for Type C.

Type E 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 Clamp Mounts to hold the work piece in place.

see also...

- General information for toggle clamps → page 12
- GN 810 Stainless Steel Vertical Acting Toggle Clamps with Horizontal Mounting Base → page 16
- GN 810.1 Vertical Acting Toggle Clamps with Vertical Mounting Base → page 18
- GN 910 Heavy Duty Vertical Acting Toggle Clamps with Horizontal Mounting Base → page 28

How to order <b>GN810-75-A</b>	1	Size
	2	Type

**Metric table**

Dimensions in: millimeters - inches



Size	F <sub>H</sub> in N Holding Capacity	a ≈	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	d <sub>1</sub> Thread	d <sub>2</sub> ≈	h <sub>1</sub> ≈	h <sub>2</sub>	h <sub>3</sub>	h <sub>4</sub>	h <sub>5</sub> max.
75	750	20 .79	29 1.14	34 1.34	5.2 .20	M 5	4.5 .18	98 3.86	20.5 .81	11 .43	19 .75	5.5 .22
130	1050	28 1.10	35 1.38	42 1.65	6.2 .24	M 6	5.5 .22	142 5.59	28 1.10	16 .63	25.5 1.00	11.3 .44
230	2000	40 1.57	43 1.69	45 1.77	8.5 .33	M 8	6.5 .26	168 6.61	33.5 1.32	18 .71	30 1.18	9.5 .37
330	2400	43 1.69	50 1.97	65 2.56	10.5 .41	M 10	8.5 .33	195 7.68	43 1.69	22 .87	37 1.46	15 .59
430	2800	64 2.52	58 2.28	65 2.56	12.5 .49	M 12	8.5 .33	247 9.72	55.5 2.19	26 1.02	43 1.69	23 .91
530	4500	90 3.54	80 3.15	95 3.74	12.5 .49	M 12	12.5 .49	303 11.93	84.5 3.33	32 1.26	49 1.93	52 2.05

Size	l <sub>1</sub> ≈		l <sub>2</sub> ≈	l <sub>3</sub> max.	l <sub>4</sub>	m <sub>1</sub>	m <sub>2</sub>	m <sub>3</sub>	m <sub>4</sub>	r ≈	s <sub>1</sub>	s <sub>2</sub>	w Adjustable Range
	Type A	Type E											
75	66.5 2.62	67 2.64	31.5 1.24	41 1.61	45 1.77	15 .59	16 .63	24 .94	24 .94	62.5 2.46	2 .08	4 .16	15 .59
130	85 3.35	86 3.39	42 1.65	54 2.13	55 2.17	12.5 .49	19 .75	27 1.06	29 1.14	79.5 3.13	2.5 .10	5 .20	17.5 .69
230	110.5 4.35	112 4.41	58 2.28	73 2.87	68 2.68	19 .75	20 .79	32 1.26	32 1.26	104 4.09	3 .12	6 .24	20 .79
330	129 5.08	130.5 5.14	66 2.60	86 3.39	77 3.03	29 1.14	32 1.26	46 1.81	45 1.77	122 4.80	3.5 .14	7 .28	19 .75
430	164 6.46	166 6.54	88 3.46	114 4.49	100 3.94	32 1.26	32 1.26	45 1.77	45 1.77	156 6.14	4 .16	10 .39	33 1.30
530	223 8.78	225 8.86	125 4.92	152 5.98	100 3.94	50 1.97	51 2.01	70 2.76	70 2.76	212 8.35	7 .28	10 .39	27 1.06

