



Metric table

1

Size	F _H Holding capacity	a	b ₁	b ₂	d ₁	d ₂ Thread	d ₃	h ₁ ≈	h ₂ ≈	l ₁
70	1200 N 270 lbf	12 .47	64 2.52	36 1.42	8.5 .33	M 6	4.3 .17	42.5 1.67	19.5 .77	86 3.39
160	2800 N 629 lbf	15 .59	85 3.35	46 1.81	11 .43	M 6	5.3 .21	59 2.32	25 .98	116 4.57
360	5600 N 1259 lbf	25 .98	90 3.54	45.5 1.79	12 .47	M 8	5.5 .22	75 2.95	34.5 1.36	122 4.80
550	8000 N 1798 lbf	18 .71	122.5 4.82	55 2.17	14 .55	M 8	7 .28	82.5 3.25	29.5 1.16	164.5 6.48
1100	16000 N 3597 lbf	25 .98	133 5.24	57 2.24	16 .63	M 10	8.5 .33	95 3.74	38 1.50	182 7.17
2100	25000 N 5620 lbf	35 1.38	177 6.97	70 2.76	20 .79	M 12	8.5 .33	118.5 4.67	50 1.97	238 9.37
3100	45000 N 10116 lbf	40 1.57	216 8.50	76 2.99	22 .87	M 14	11 .43	137 5.39	56 2.20	316 12.44

2 Type

AS Steel or brass base, forged
Dimensions in: millimeters - inches

Size	l ₂ ≈	l ₃	m ₁	m ₂	m ₃	m ₄	s	t	w Stroke
70	79 3.11	22 .87	26 1.02	13 .51	26 1.02	-	6 .24	12 .47	20 .79
160	107 4.21	31 1.22	33.5 1.32	11.5 .45	36.5 1.44	-	7 .28	12 .47	30 1.18
360	114 4.49	32 1.26	33.5 1.32	30 1.18	36.5 1.44	-	7 .28	15 .59	32 1.26
550	154.5 6.08	42 1.65	41 1.61	15 .59	35 1.38	41 1.61	6 .24	16 .63	42 1.65
1100	170.5 6.71	49 1.93	41 1.61	15 .59	35 1.38	41 1.61	8 .31	18 .71	50 1.97
2100	222 8.74	61 2.40	50 1.97	35 1.38	50 1.97	50 1.97	10 .39	22 .87	60 2.36
3100	300 11.81	100 3.94	54 2.13	40 1.57	70 2.76	70 2.76	10 .39	25 .98	100 3.94

Specification

- Body
Brass: size 70
Steel: sizes 160-3100
- Forged
- Black lacquered finish
- Parts in sheet metal
Case-hardened sheet metal (C10 Steel)
Zinc plated, blue passivated finish
- Plunger steel St 37
Zinc plated, blue passivated
- Bearing pins (rivets)
Case hardened
- RoHS compliant
- Accessory
• Spindle assemblies

Information

In these devices the circular movement of the handle is transformed into a straight-line action of the clamp along its axis.

GN 842 heavy duty push-pull type toggle clamps can be used for very high holding forces thanks to their very large and sturdy body.

On the size 70 the mounting holes are countersunk to accept DIN 7991 countersunk screws with internal hexagon or DIN 912-M4 countersunk socket cap screws with internal hexagon.

see also...

- *General Information for Toggle Clamps*

<p>How to order</p> <p>GN GN842-1100-AS</p>	1	Size
	2	Type