

2 Type
T5 Without latch bolt, without catch
TG With oval head latch bolt, with catch
TT With T-head latch bolt, with catch
TU With J-hook latch bolt, with catch

Metric table

Dimensions in: millimeters - inches

Size	F _H Holding capacity	a	b ₁	b ₂	b ₃	b ₄	b ₅	b ₆	b ₇	d ₁ Thread	d ₂	d ₃	d ₄	d ₅	h ₁ ≈
160	1750 N 393 lbf	13 0.51	26 1.02	28 1.10	23 0.91	14 0.55	26 1.02	35 1.38	6.8 0.27	M 6	4.5 0.18	4.5 0.18	5.2 0.20	6 0.24	27 1.06
320	4000 N 899 lbf	19 0.75	40 1.57	44 1.73	34 1.34	18 0.71	35 1.38	38 1.50	10 0.39	M 8	6.7 0.26	6.7 0.26	7 0.28	8 0.31	38.5 1.52
700	7500 N 1686 lbf	28 1.10	60 2.36	54 2.13	41 1.61	26 1.02	50 1.97	50 1.97	11 0.43	M 10	8.5 0.33	8.5 0.33	9 0.35	10 0.39	53 2.09

Size	h ₂	h ₃	l ₁ ≈	l ₂ ≈ Type TG	l ₃ ≈ Type TT	l ₄ ≈ Type TU	l ₅	l ₆	m ₁	m ₂	m ₃	m ₄	m ₅	s	w Stroke
160	20 0.79	20.5 0.81	103 4.06	55 2.17	55 2.17	54 2.13	28 1.10	30 1.18	19 0.75	16 0.63	16 0.63	14.3 0.56	25.4 1.00	2 0.08	8 0.31
320	30 1.18	28 1.10	153 6.02	76.5 3.01	76.5 3.01	76.5 3.01	34 1.34	44.5 1.75	32 1.26	19 0.75	19 0.75	22.3 0.88	25.4 1.00	3 0.12	13 0.51
700	40.5 1.59	39 1.54	222 8.74	95.5 3.76	93 3.66	92 3.62	42 1.65	51 2.01	38 1.50	41.5 1.63	31 1.22	25.4 1.00	31 1.22	3.5 0.14	19 0.75

Specification

- Parts in sheet metal
Case-hardened steel C10, blackened finish
- Latch bolt
Steel St 32, blackened finish
- All moving parts lubricated with special grease
- Hand grip
High quality, oil resistant red plastic
- RoHS compliant

Information

GN 853 latch type toggle clamps feature a push button safety locking mechanism that prevents an inadvertent or vibration-induced opening of the clamp.

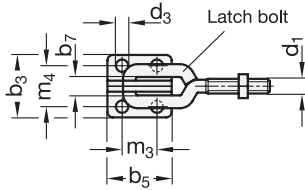
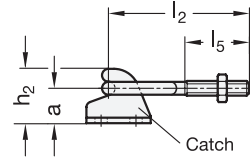
Another benefit is the ability to operate the clamp with one hand.

see also...

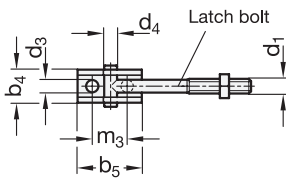
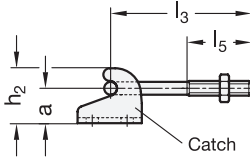
- Latch Type Toggle Clamps GN 853 (Stainless Steel) → page 828

How to order GN 853-320-TT	1	Size
	2	Type

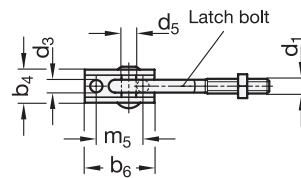
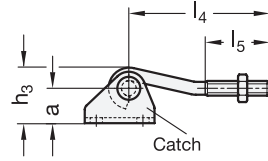
Type **TG**
Oval head latch bolt



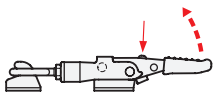
Type **TT**
T-head latch bolt



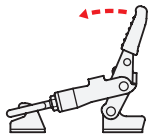
Type **TU**
J-hook latch bolt



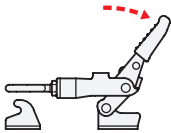
Description of function (for one-hand operation)



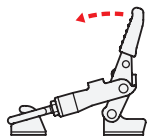
Press the release button for **releasing**.



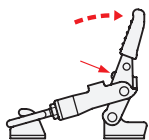
Lift the clamping arm until the latch bolt disengages from the catch.



Retracting the clamping arm will lift the latch bolt and release the catch (one-hand operation).



For **clamping operation**, lift the clamping arm until it rests on the catch.



The clamping arm engages in the catch if the release button is pressed for the clamping operation. When clamping in the end position, the system locks automatically by spring force.

1.1
1.2
1.3
1.4
2.1
2.2
2.3
2.4

