

1-800-GRAINGER (472-4643)

**U Bolt
3CXF2**



**J Hook
3CXD9**



**Closed Loop
3CXD7**



Pull-Action Latch Clamps

■ All clamps are made of steel (except where indicated)

Provide quick closure of covers and molds. Thumb-control lever for single-handed operation. Threaded hook for easy adjustment. Models with release lever prevent accidental opening due to vibration.

Holding Cap. (lb.)	Arm	Adjustable Range	Overall H (in.)	Overall L (in.)	Base Mounting Centers (in.)	Item No.
Vertical						
500	U Bolt	0-0.50	1.91 in	3.49 in	0.50 x 0.88	3CXF1
	U Bolt	0-0.50	1.91 in	3.49 in	0.50 x 0.88	3CXF4 *
1,000	U Bolt	0-0.80	2.37 in	4.1 in	0.75 x 1.00	3CXF2
	U Bolt	0-0.80	2.37 in	4.1 in	0.75 x 1.00	3CXF5 *
2,000	U Bolt	0-1.26	3.39 in	5.77 in	1.25 x 1.44	3CXF3
	U Bolt	0-1.26	3.39 in	5.77 in	1.25 x 1.44	3CXF6 *
Horizontal						
200	J Hook	0-0.25	1.43 in	6.01 in	0.50 x 1.22	3CXD9
	J Hook	0-0.25	1.43 in	6.01 in	0.50 x 1.22	3CXE7 *
360	U Bolt	0-0.49	1.19 in	3.88 in	0.63 x 0.75	3CN9
	U Bolt	0-0.49	1.19 in	3.88 in	0.63 x 0.75	3CXE4 *
375	Closed Loop	—	1.91 in	8.33 in	0.75 x 1.25	3CXD7
	J Hook	0-0.43	1.83 in	8.82 in	0.75 x 1.37	3CP3
450	J Hook	0-0.43	1.83 in	8.82 in	0.75 x 1.37	3CP5 *
	U Bolt	0-0.59	1.97 in	6.07 in	0.75 x 1.25	3CP1
720	U Bolt	0-0.59	1.97 in	6.07 in	0.75 x 1.25	3CXE5 *
	U Bolt	0-0.49	2.01 in	6.07 in	0.75 x 1.25	3CXE8 †
750	U Bolt	0-0.59	2.01 in	6.07 in	0.75 x 1.25	3CXF7 †
	J Hook	0-0.81	2.58 in	11.89 in	1.25 x 1.94	3CXE1
1,000	J Hook	0-0.93	2.9 in	13.45 in	1.13 x 2.37	3CP4
1,200	Closed Loop	—	2.44 in	9.49 in	1.25 x 1.78	3XD8
	U Bolt	0-0.76	2.89 in	8.2 in	1.63 x 1.50	3CXD2
2,000	U Bolt	0-0.76	2.89 in	8.2 in	1.63 x 1.50	3CXE6 *
	U Bolt	0-0.76	2.89 in	8.2 in	1.63 x 1.50	3CXE9 **
4,000	U Bolt	0-0.76	2.89 in	8.2 in	1.63 x 1.50	3CXF8 †
	U Bolt	0-0.69	4.19 in	10.19 in	2.25 x 2.25	3CXE2 †
7,500	U Bolt	0-0.69	4.19 in	10.19 in	2.25 x 2.25	3CXF9 †
	U Bolt	0-1.07	3.67 in	9.65 in	2.25 x 2.25	3CXE3 †
	U Bolt	0-1.07	3.67 in	9.65 in	2.25 x 2.25	3CXG1 †

* Stainless steel. † With release lever. ** Stainless steel with release lever.
‡ Latch plate not included.



**Flat Cushion Neoprene
3CXP7**



**Hex Head Bolt
3CXR2**



**Hex Head Bolt
3CXP6**



Squeeze-Action Clamps

■ All clamps are made of steel (except where indicated)

Use to replace fasteners when permanent clamping is not possible. Forged steel jaws are tapped for adjustable spindles (supplied). Models with release lever offer single-handed opening.

Holding Cap. (lb.)	Spindle	Jaw Width (in.)	Jaw Depth (in.)	Overall L (in.)	Thread Size	Item No.
200	Flat Cushion Neoprene	1.00	1.08	4.63	M6	3CP7
350	Hex Head Bolt	1.25	1.77	6.03	M8	3CP8
700	Swivel	3.00	2.72	8.51	M10	3CP9 †
800	Hex Head Bolt	1.78	1.25	8.28	M12	3CP6 †
	Hex Head Bolt	1.78	1.25	8.28	M12	3CXR3 *
1200	Swivel Foot Bolt	1.75	2.56	9.15	M10	3CXR1 †
	Hex Head Bolt	3.88	2.56	9.15	M10	3CXR2 †

* Stainless steel. † With release lever.

**Vertical,
Flat Foot
48TN10**



**Horizontal,
Straight Foot
48TN05**



Vertical and Horizontal Toggle Clamps

These clamps feature maintenance-free, high-quality swivel bushings. They allow for a consistent use of force when opening and closing. Optimum stability is achieved through the conical clamping arm with U-profile. Can be used on a variety of fixtures for applications where hold-down action can replace fasteners. Models with safety interlock include an internal bar lock with automatic safety catch.

Vertical Handle—Feature 2 to 3 times the holding force with fewer pinch points for safety and durability.

Horizontal Handle—Provide a low profile for applications where minimum vertical height is required.

Holding Cap. (lb.)	Handle	Thread Size	Overall H (in.)	Overall L (in.)	Height Under Arm (in.)	Base Mounting Centers (in.)	Item No.
Vertical Handle, Straight Foot							
Steel Body							
139	90°	M5	4.74 in	2.5 in	1.21 in	0.63	48TN24
207	90°	M6	6.65 in	3.41 in	1.48 in	0.55	48TN25
211	90°	M8	7.89 in	4.21 in	1.93 in	0.83	48TN27
315	90°	M12	10.45 in	6.83 in	2.75 in	1.26	48TN31
337	90°	M10	9.74 in	6.02 in	2.45 in	1.26	48TN29
Steel Body w/Safety Interlock							
207	90°	M6	6.92 in	3.41 in	1.48 in	0.55	48TN26
211	90°	M8	8.17 in	4.21 in	1.93 in	0.83	48TN28
315	90°	M12	10.67 in	6.83 in	2.75 in	1.26	48TN32
337	90°	M10	10.0 in	6.02 in	2.45 in	1.26	48TN30
Stainless Steel Body							
139	90°	M5	4.75 in	2.5 in	1.22 in	0.06	48TN33
207	90°	M6	6.65 in	3.41 in	1.48 in	0.55	48TN34
211	90°	M8	7.89 in	4.21 in	1.93 in	0.83	48TN36
Stainless Steel Body w/Safety Interlock							
207	90°	M6	6.92 in	3.41 in	1.48 in	0.55	48TN35
211	90°	M8	8.17 in	4.21 in	1.93 in	0.83	48TN37
Vertical Handle, Flat Foot							
Steel Body							
139	90°	M5	4.27 in	2.62 in	0.75 in	0.63 x 0.94	48TN10
207	90°	M6	6.15 in	3.44 in	0.97 in	0.55 x 1.06	48TN11
211	90°	M8	7.25 in	4.23 in	1.29 in	0.83 x 1.26	48TN13
315	90°	M12	9.54 in	6.83 in	1.84 in	1.26 x 1.77	48TN17
337	90°	M10	8.81 in	6.02 in	1.52 in	1.26 x 1.77	48TN15
Steel Body w/Safety Interlock							
207	90°	M6	6.41 in	3.44 in	0.97 in	0.55 x 1.06	48TN12
211	90°	M8	7.53 in	4.23 in	1.29 in	0.83 x 1.26	48TN14
315	90°	M12	9.81 in	6.83 in	1.84 in	1.26 x 1.77	48TN18
337	90°	M10	9.07 in	6.02 in	1.52 in	1.26 x 1.77	48TN16
Stainless Steel Body							
139	90°	M5	4.27 in	2.62 in	0.75 in	0.63 x 0.94	48TN19
207	90°	M6	6.15 in	3.44 in	0.97 in	0.55 x 1.06	48TN20
211	90°	M8	7.25 in	4.23 in	1.29 in	0.83 x 1.26	48TN22
Stainless Steel Body w/Safety Interlock							
207	90°	M6	6.41 in	3.44 in	0.97 in	0.55 x 1.06	48TN21
211	90°	M8	7.53 in	4.23 in	1.29 in	0.83 x 1.26	48TN23
Horizontal Handle, Straight Foot							
Steel Body							
123 lb	180°	M5	2.06 in	4.95 in	1.03 in	0.71	48TM95
161 lb	180°	M6	2.95 in	7.35 in	1.45 in	1.02	48TM96
186 lb	180°	M8	3.47 in	8.78 in	1.83 in	1.02	48TM98
224 lb	180°	M12	5.06 in	12.39 in	2.99 in	1.73	48TM03
269 lb	180°	M10	4.5 in	11 in	2.35 in	1.63	48TM01
Steel Body w/Safety Interlock							
161 lb	180°	M6	2.95 in	7.61 in	1.45 in	1.02	48TM97
186 lb	180°	M8	3.47 in	9.07 in	1.83 in	1.02	48TM99
224 lb	180°	M12	5.06 in	12.65 in	2.99 in	1.73	48TM04
269 lb	180°	M10	4.5 in	11.26 in	2.35 in	1.63	48TM02
Stainless Steel Body							
123 lb	180°	M5	2.06 in	4.95 in	1.03 in	1.73	48TM05
161 lb	180°	M6	2.95 in	7.35 in	1.45 in	1.02	48TM06
186 lb	180°	M8	3.47 in	8.78 in	1.83 in	1.02	48TM08
Stainless Steel Body w/Safety Interlock							
161 lb	180°	M6	2.95 in	7.61 in	1.45 in	1.02	48TM07
186 lb	180°	M8	3.47 in	9.07 in	1.83 in	1.02	48TM09
Horizontal Handle, Flat Foot							
Steel Body							
56 lb	180°	M4	1.15 in	3.61 in	0.46 in	0.63 x 0.63	48TM79
123 lb	180°	M5	1.71 in	4.95 in	0.68 in	0.66 x 0.71	48TM80
161 lb	180°	M6	2.51 in	7.35 in	1 in	1.02 x 1.10	48TM81
186 lb	180°	M8	2.91 in	8.78 in	1.27 in	1.02 x 1.22	48TM83
224 lb	180°	M12	4.12 in	12.39 in	2.06 in	1.65 x 1.73	48TM87
269 lb	180°	M10	3.73 in	11 in	1.57 in	1.63 x 1.69	48TM85
Steel Body w/Safety Interlock							
161 lb	180°	M6	2.51 in	7.61 in	1 in	1.02 x 1.10	48TM82
186 lb	180°	M8	2.91 in	9.07 in	1.27 in	1.02 x 1.22	48TM84
224 lb	180°	M12	4.12 in	12.65 in	2.06 in	1.65 x 1.73	48TM88
269 lb	180°	M10	3.73 in	11.26 in	1.57 in	1.63 x 1.69	48TM86
Stainless Steel Body							
56 lb	180°	M4	1.15 in	3.61 in	0.46 in	0.63 x 0.63	48TM89
123 lb	180°	M5	1.71 in	4.95 in	0.68 in	0.66 x 0.71	48TM90
161 lb	180°	M6	2.51 in	7.35 in	1 in	1.02 x 1.10	48TM91
186 lb	180°	M8	2.91 in	8.78 in	1.27 in	1.02 x 1.22	48TM93
Stainless Steel Body w/Safety Interlock							
161 lb	180°	M6	2.51 in	7.61 in	1 in	1.02 x 1.10	48TM92
186 lb	180°	M8	2.91 in	9.07 in	1.27 in	1.02 x 1.22	48TM94