



Dog Point Screws

Dog point prevents damage to end threads.

Hand Knob—Use when hand tightening is necessary for holding or clamping. 4-point aluminum knob. Steel stem with black oxide finish.

Knurled Head—Use for light clamping and holding. Knurled head allows better grip. Head and stem are steel with black oxide finish.



Hand Knob



Knurled Knob

Thread Size	Screw Length	Overall Length	Item No.	Thread Size	Screw Length	Overall Length	Item No.
Hand Knob				Knurled Head			
1/4"-20	1.50 in	2.25"	3LCE4	#10-24	1.00"	1.25"	3LCE6
	2.00 in	2.75"	3LCE5	#10-32	1.50"	1.75"	3LCE9
	2.50 in	3.25"	3LCE6		2.00"	2.3125"	3LCE1
5/16"-18	2.00 in	2.875"	3LCE7	1/4"-20	2.50"	2.8125"	3LCE2
	2.50 in	3.125"	3LCE8		1.50"	1.8125"	3LCE3
	2.0625 in	3.0625"	3LCE9		1.50"	1.875"	3LCE4
3/8"-16	2.5625 in	3.5625"	3LCE1	5/16"-18	2.00"	2.375"	3LCE5
	3.0625 in	4.0625"	3LCE2		2.50"	2.875"	3LCE6
	2.5625 in	4.0625"	3LCE3		2.00"	2.4375"	3LCE7
1/2"-13	3.0625 in	4.5625"	3LCE4	3/8"-16	2.50"	2.9375"	3LCE8
	3.5625 in	5.0625"	3LCE5		3.00"	3.4375"	3LCE9
				1/2"-13	3.00"	3.4375"	3LCH1
					3.50"	3.9375"	3LCH2



Fixture Clamps

Cam-action workholding clamps provide fast, strong clamping, and have a low profile design. Simple, 2-component design helps keep maintenance costs low, and the small size allows more parts per load.

Note: Clockwise rotation is recommended. Workpiece stop should be on the right of clamp.

Material	Holding Force	Thread Size	Dia.	Overall Height	Overall Width	Item No.	Pkg. Qty.
SAE							
Brass/Steel	350 lb	#10-32	3/16"	1/2"	1/2 in	34CU45	10
	800 lb	1/4"-20	1/4"	21/32"	5/8 in	34CU46	10
	800 lb	5/16"-18	5/16"	27/32"	13/16 in	34CU48	12
	2000 lb	3/8"-16	3/8"	31/64"	13/16 in	34CU49	10
4000 lb	1/2"-13	1/2"	1 1/64"	1 in	34CU50	8	
Metric							
Brass/Steel	910 N	M4	4mm	12.40mm	7.93mm	34CU52	10
	3558 N	M8	8mm	19.55mm	20.61mm	34CU54	12



Aluminum Disc



Novo Grip No Handle



Aluminum 2-Spoke



Novo Grip Revolving Handle



Handwheels

Novo Grip gray thermoplastic wheels have steel insert and matte black finish. Aluminum wheels are lightweight with a polished finish.

Dia.	Bore	NO HANDLE Item No.	REVOLVING HANDLE Item No.	FOLD AWAY HANDLE Item No.
Novo Grip				
3.15"	0.375"	3DDJ6	3DDK9	3DDN3
3.94"	0.375"	3DDJ8	3DDL2	3DDN5
4.92"	0.50"	3DDK1	3DDL4	3DDN7
	0.50"	3DDK3	3DDL6	3DDN8
	0.50"	3DDK5	3DDL8	3DDP1
6.3"	0.625"	3DDK7	3DDN1	3DDP3

Dia.	Bore	NO HANDLE Item No.	FIXED HANDLE Item No.	REVOLVING HANDLE Item No.
Aluminum Disc				
3.15"	0.375"	3GJY7	3GJZ5	3GKA3
3.94"	0.50"	3GJY8	3GJZ6	3GKA4
4.92"	0.50"	3GJY9	3GJZ7	3GKA5
5.51"	0.625"	3GJZ1	3GJZ8	3GKA6
6.3"	0.625"	3GJZ2	3GJZ9	3GKA7
7.87"	0.75"	3GJZ3	3GKA1	3GKA8
9.87"	0.875"	3GJZ4	3GKA2	3GKA9
Aluminum 2-Spoke				
3.15"	0.375"	3GKC1	3GKC7	3GKD4
3.94"	0.50"	3GKC2	3GKC8	3GKD5
4.92"	0.50"	3GKC3	3GKC9	3GKD6
6.3"	0.625"	3GKC4	3GKD1	3GKD7
7.87"	0.75"	3GKC5	3GKD2	3GKD8
9.84"	0.875"	3GKC6	3GKD3	3GKD9

Dovetail Fixtures and Cutters

For accessories, see Grainger.com®
Made to hold part on 4- and 5-axis CNC machines. Fixtures provide rigid clamping while exposing 5 faces of the workpiece. Spring-loaded clamps

require a small amount of material to hold the workpiece. Prepare all parts with a single dovetail and utilize the same fixture for every part.



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Max. Workpiece Weight	Max. Workpiece Size	No. of Clamps	Dovetail Height	Dovetail Width	Fixture Height	Max. Workpiece Size	Bolt Circle Dia.	Mfr. Model	Item No.
Machine Vise									
17-4 Stainless Steel									
6 lb.	3 1/4 in x 3 1/4 in	1	0.125"	0.500"	2 1/8 in	3 1/4 in x 3 1/4 in	—	RWP-017SS	467W67
7 lb.	3 3/4 in x 3 3/4 in	1	0.125"	0.750"	2 1/8 in	3 3/4 in x 3 3/4 in	—	RWP-007SS	467W56
	3 3/4 in x 3 3/4 in	1	0.125"	0.750"	2 in	3 3/4 in x 3 3/4 in	—	RWP-011SS	467W57
12 lb.	5 in x 5 in	2	0.125"	0.750"	2 in	5 in x 5 in	—	RWP-012SS	467W58
	5 in x 5 in	2	0.125"	0.750"	1 1/4 in	5 in x 5 in	—	RWP-038SS	467W65
25 lb.	6 3/8 in x 6 3/8 in	2	0.125"	0.750"	3 in	6 3/8 in x 6 3/8 in	—	RWP-002SS	467W54
	6 3/4 in x 6 3/4 in	2	0.125"	1.500"	2 in	6 3/4 in x 6 3/4 in	—	RWP-013SS	467W48
30 lb.	6 3/4 in x 6 3/4 in	2	0.125"	1.500"	3 in	6 3/4 in x 6 3/4 in	—	RWP-001SS	467W45
	7 1/2 in x 7 1/2 in	3	0.125"	1.500"	2 in	7 1/2 in x 7 1/2 in	—	RWP-036SS	467W51
40 lb.	7 1/2 in x 7 1/2 in	3	0.125"	0.750"	2 in	7 1/2 in x 7 1/2 in	—	RWP-034SS	467W64
	7 1/2 in x 7 1/2 in	3	0.125"	0.750"	3 in	7 1/2 in x 7 1/2 in	—	RWP-030SS	467W63
168 lb.	12 in x 12 in	2	0.187"	2.250"	3 1/8 in	12 in x 12 in	—	RWP-006SS	467W43
225 lb.	8 in x 10 in	—	0.250"	2.750"	—	8 in x 10 in	—	RWP-403SS-12	467W41
Aluminum									
0.284 lb.	1 1/4 in x 1 1/4 in	1	0.078"	0.281"	1 1/2 in	1 1/4 in x 1 1/4 in	—	RWP-031SS	467W74
2 lb.	1 1/4 in x 1 1/4 in	1	0.078"	0.281"	1 1/8 in	1 1/4 in x 1 1/4 in	—	RWP-032SS	467W75
	2 1/2 in x 2 1/2 in	1	0.125"	0.500"	1 1/4 in	2 1/2 in x 2 1/2 in	—	RWP-019SS	467W71
3 lb.	3 in x 3 in	1	0.125"	0.750"	1 1/2 in	3 in x 3 in	—	RWP-003	467W55
6 lb.	3 1/4 in x 3 1/4 in	1	0.125"	0.500"	2 in	3 1/4 in x 3 1/4 in	—	RWP-022SS	467W70
	4 3/4 in x 4 3/4 in	2	0.125"	0.500"	3 in	4 3/4 in x 4 3/4 in	—	RWP-018	467W68
12 lb.	5 in x 5 in	2	0.125"	0.500"	3 in	5 in x 5 in	—	RWP-018SS	467W69
	4 in x 4 in	1	0.125"	0.750"	1 1/2 in	4 in x 4 in	—	RWP-024	467W61
12.5 lb.	8 in x 4 in	3	0.125"	0.750"	4 in	8 in x 4 in	—	RWP-025	467W62
	8 1/2 in x 4 in	2	0.125"	0.750"	2 1/8 in	8 1/2 in x 4 in	—	RWP-024-2XR	467W79
16 lb.	8 1/2 in x 4 in	2	0.125"	0.750"	3 in	5 1/8 in x 5 1/8 in	—	RWP-002	467W53
	5 3/4 in x 5 3/4 in	2	0.125"	0.750"	2 in	5 3/4 in x 5 3/4 in	—	RWP-015	467W59
18 lb.	5 3/4 in x 5 3/4 in	2	0.125"	0.750"	3 in	5 3/4 in x 5 3/4 in	—	RWP-023	467W60
	6 in x 6 in	2	0.125"	1.500"	3 in	6 in x 6 in	—	RWP-027	467W50
20 lb.	6 3/4 in x 6 3/4 in	2	0.125"	1.500"	2 in	6 3/4 in x 6 3/4 in	3 3/4"	RWP-004	467W46
	6 3/4 in x 6 3/4 in	2	0.125"	1.500"	2 in	6 3/4 in x 6 3/4 in	3 5/8"	RWP-013	467W47
30 lb.	6 3/4 in x 6 3/4 in	2	0.125"	1.500"	3 in	6 3/4 in x 6 3/4 in	3 5/8"	RWP-001	467W44
	6 3/4 in x 6 3/4 in	2	0.125"	1.500"	3 in	6 3/4 in x 6 3/4 in	4"	RWP-026	467W49
65 lb.	4 in x 14 in	4	0.125"	0.750"	3 in	4 in x 14 in	—	RWP-405	467W66
80 lb.	8 in x 10 in	2	0.187"	2.250"	3 1/8 in	8 in x 10 in	—	RWP-006	467W42
140 lb.	17 in x 12 in	6	0.125"	1.500"	3 in	17 in x 12 in	—	RWP-401-11	467W52

For Use With	Item No.	
Micro Dovetail Clamp Kit		
Mfr. No. RWP-031SS/-032SS	467W93	
Mfr. No. RWP-008SS/-009SS/-010SS	467W92	
Clamping Kit		
Mfr. No. RWP-019SS	467W89	
Mfr. No. RWP-017SS/-018/-018SS/-022SS	467W91	
Mfr. No. RWP-006/-006SS	467W88	
Mfr. No. RWP-002/-002SS/-003/-003-4X/-007SS/-011SS/-012SS/-015/-023/-024/-025/-024-2XR/-024-3XR/-024-4XR/-405	467W90	
Mfr. No. RWP-001/-001SS/-004/-013/-013SS/-401-11/-026/-027	467W87	
Dia.	For Use With	Item No.
1 3/32"	Hard Materials, Steel, Titanium	467W84
3/4"	Aluminum, Brass, Soft Materials	467W83
3/4"	Hard Materials, Steel, Titanium	467W85