

Set Screw Rigid Couplings

For soft or predrilled shafts in applications where alignment is critical, no backlash is desired, and flexibility is not required. Lock onto shaft by tightening alloy cup point socket set screws. Dayton brand has 2 screws. Ruland brand rigid shaft couplings are precision honed with 4 screws.



Bore Dia.	Outside Dia.	Overall Length	Screw Size	Keyway Width	Max. Torque	Max. RPM	Mfr. Model	Item No.
Dayton Zinc-Plated Steel								
Without Keyway								
1/4 in	1/2 in	3/4 in	#10-32	—	70 in-lb	3,500 RPM	6L012	6L012
5/16 in	5/8 in	1 in	#10-32	—	90 in-lb	3,500 RPM	6L013	6L013
3/8 in	3/4 in	1 in	1/4"-28	—	180 in-lb	3,500 RPM	6L014	6L014
With Keyway								
1/2 in	1 in	1 1/2 in	1/4"-28	1/8 in	240 in-lb	3,500 RPM	6L015	6L015
5/8 in	1 1/4 in	2 in	5/16"-18	3/16 in	475 in-lb	3,500 RPM	6L016	6L016
3/4 in	1 1/2 in	2 in	5/16"-18	3/16 in	575 in-lb	3,500 RPM	6L017	6L017
7/8 in	1 3/4 in	2 in	5/16"-18	3/16 in	660 in-lb	1,800 RPM	6L018	6L018
1 1/8 in	2 1/8 in	3 in	3/8"-16	1/4 in	1,200 in-lb	1,800 RPM	3ZN53	3ZN53
1 1/4 in	2 1/4 in	4 in	3/8"-16	1/4 in	1,300 in-lb	1,800 RPM	3ZN50	3ZN50
1 1/2 in	2 1/2 in	4 1/2 in	3/8"-16	3/8 in	1,600 in-lb	1,800 RPM	3ZN52	3ZN52
1 3/8 in	2 3/8 in	4 1/2 in	3/8"-16	3/8 in	1,500 in-lb	1,800 RPM	3ZN51	3ZN51
1 in	2 in	3 in	5/16"-18	1/4 in	750 in-lb	1,800 RPM	6L019	6L019
Ruland 1215 Black Oxide Lead Free Steel								
Without Keyway								
1/4 in	5/8 in	1 in	#10-32	—	80 in-lb	4,000 RPM	SCX-4-4-F	2AEK6
5/16 in	7/8 in	1 3/8 in	1/4"-20	—	150 in-lb	4,000 RPM	SCX-5-5-F	2AEK7
3/8 in	7/8 in	1 3/8 in	1/4"-20	—	200 in-lb	4,000 RPM	SCX-6-6-F	2AEK8
With Keyway								
1/2 in	1 1/8 in	1 3/4 in	1/4"-20	1/8 in	240 in-lb	4,000 RPM	SCC-8-8-F	2AEK5
5/8 in	1 5/8 in	2 in	5/16"-18	3/16 in	475 in-lb	4,000 RPM	SCC-10-10-F	2ARD3
3/4 in	1 1/2 in	2 1/4 in	5/16"-18	3/16 in	600 in-lb	4,000 RPM	SCC-12-12-F	2ARD4
7/8 in	1 5/8 in	2 1/2 in	5/16"-18	3/16 in	675 in-lb	4,000 RPM	SCC-14-14-F	2ARD5
1 in	1 3/4 in	3 in	5/16"-18	1/4 in	750 in-lb	4,000 RPM	SCC-16-16-F	2ARD6
1 1/8 in	1 7/8 in	3 1/8 in	3/8"-16	1/4 in	1,200 in-lb	4,000 RPM	SCC-18-18-F	2ARD7
1 1/4 in	2 1/8 in	3 1/4 in	3/8"-16	1/4 in	1,350 in-lb	4,000 RPM	SCC-20-20-F	2ARD8
1 3/8 in	2 1/2 in	3 5/8 in	3/8"-16	5/8 in	1,450 in-lb	4,000 RPM	SCC-22-22-F	2AEK3
1 1/2 in	2 3/8 in	3 7/8 in	3/8"-16	3/8 in	1,600 in-lb	4,000 RPM	SCC-24-24-F	2AEK4



Dayton Zinc-Plated Steel without Keyway



Ruland 1215 Black Oxide Lead-Free Steel with Keyway

1- and 2-Pc. Clamp Rigid Couplings

Max. rpm: 4000
Black oxide steel

For applications where alignment is critical, no backlash is desired, and flexibility is not required. Wrap around hard or soft shafts without marring. Utilize vibration-resistant socket cap screws. The 2-pc. designs are easy to install; no need to disassemble machinery or components.

Bore Dia.	Outside Dia.	Overall Length	Screw Size	Keyway Width	Max. Torque	Item No.
1-pc. Without Keyway						
1/4 in	5/8 in	1 1/8 in	#4-40	—	25 in-lb	3ZN29
5/16 in	11/16 in	1 1/8 in	#4-40	—	60 in-lb	3ZN30
3/8 in	7/8 in	1 3/8 in	#6-32	—	190 in-lb	3ZN31
1/2 in	1 1/8 in	1 3/4 in	#8-32	—	480 in-lb	3ZN32
5/8 in	1 5/8 in	2 in	#10-32	—	940 in-lb	3ZN33
3/4 in	1 1/2 in	2 1/4 in	1/4"-28	—	1,950 in-lb	3ZN34
7/8 in	1 3/8 in	2 1/2 in	1/4"-28	—	2,280 in-lb	3ZN35
1 in	1 3/4 in	3 in	1/4"-28	—	2,600 in-lb	3ZN36
1-pc. With Keyway						
1/2 in	1 1/8 in	1 3/4 in	#8-32	1/8 in	480 in-lb	3ZN57
5/8 in	1 5/8 in	2 in	#10-32	3/16 in	940 in-lb	3ZN58
3/4 in	1 1/2 in	2 1/4 in	1/4"-28	3/16 in	1,950 in-lb	3ZN59
7/8 in	1 3/8 in	2 1/2 in	1/4"-28	3/16 in	2,280 in-lb	3ZN60
1 in	1 3/4 in	3 in	1/4"-28	1/4 in	2,600 in-lb	3ZN61
2-pc. Without Keyway						
3/8 in	7/8 in	1 3/8 in	#6-32	—	190 in-lb	3ZN43
1/2 in	1 1/8 in	1 3/4 in	#8-32	—	480 in-lb	3ZN44
5/8 in	1 5/8 in	2 in	#10-32	—	940 in-lb	3ZN45
3/4 in	1 1/2 in	2 1/4 in	1/4"-28	—	1,950 in-lb	3ZN46
7/8 in	1 3/8 in	2 1/2 in	1/4"-28	—	2,280 in-lb	3ZN47
1 in	1 3/4 in	3 in	1/4"-28	—	2,600 in-lb	3ZN48
2-pc. With Keyway						
1/2 in	1 1/8 in	1 3/4 in	#8-32	1/8 in	480 in-lb	3ZN66
5/8 in	1 5/8 in	2 in	#10-32	3/16 in	940 in-lb	3ZN67
3/4 in	1 1/2 in	2 1/4 in	1/4"-28	3/16 in	1,950 in-lb	3ZN68
7/8 in	1 3/8 in	2 1/2 in	1/4"-28	3/16 in	2,280 in-lb	3ZN69
1 in	1 3/4 in	3 in	1/4"-28	1/4 in	2,600 in-lb	3ZN70



1-pc. Without Keyway



2-pc. With Keyway

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