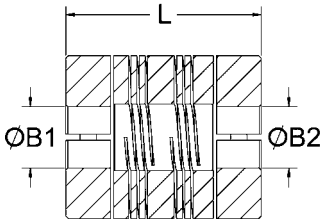
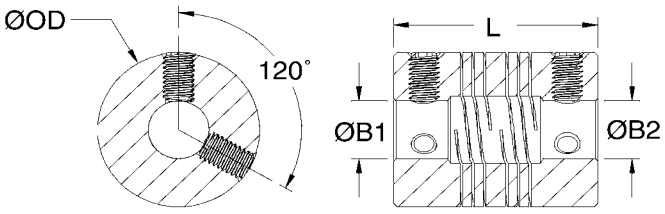
PCR





PSR





PART NUMBER		SPECIFICATIONS					PERFORMANCE				
CLAMP STYLE	SET SCREW STYLE	BORES B1, B2 (in)	OUTER DIAM. OD (in)	L (in) (PCR/PSR)	CAP SCREW (PCR)	SET SCREW (PSR)	STATIC TORQUE (lb-in)	TORSIONAL STIFFNESS (Deg/lb-in)	PARALLEL MISALIGNMENT (in)	AXIAL MOTION (in)	MOMENT OF INERTIA (lb-in^2)
PCR6	PSR6	1.5 (.0938)	0.375	0.563	M1.6	M2	7.5	0.751	0.008	0.005	0.0003
PCR8	PSR8	1.5 (.0938) 2 (.1250)	0.500	0.750	M2	M2	11 11	0.368 0.368	0.008	0.005	0.0012
PCR10	PSR10	2 (.1250) 2.5 (.1563) 3 (.1875)	0.625	0.800	M2	M3	20 16 16	0.184 0.286 0.286	0.008	0.005	0.0030
PCR12	PSR12	2 (.1250) 2.5 (.1563) 3 (.1875) 4 (.2500)	0.750	0.900	M2.5	M4	35 23 23 19	0.085 0.151 0.151 0.179	0.008	0.005	0.0070
PCR14	PSR14	3 (.1875) 4 (.2500) 5 (.3125)	0.875	1.063	M3	M5	27 24 22	0.091 0.107 0.135	0.008	0.005	0.0157
PCR16	PSR16	4 (.2500) 5 (.3125) 6 (.3750)	1.000	1.250	M4	M4	49 44 41	0.079 0.094 0.103	0.015	0.010	0.0317
PCR18	PSR18	4 (.2500) 5 (.3125) 6 (.3750) 8 (.5000)	1.125	1.500	M4	M5	63 60 54 46	0.053 0.056 0.071 0.111	0.015	0.010	0.0603
PCR20	PSR20	4 (.2500) 5 (.3125) 6 (.3750) 8 (.5000)	1.250	1.500	M4	M6	92 86 81 70	0.031 0.037 0.044 0.064	0.015	0.010	0.0922

Note 1 Static torque ratings are at maximum misalignment. To obtain dynamic rating, static ratings should be divided by 2 for non-reversing applications and by 4 for reversing applications.

Note 2 Hardware is alloy steel with black oxide finish. PCR series parts have socket head cap screws on each end. PSR series parts: sizes 6 through 12 have one set screw on each end; sizes 14 through 20 have two set screws on each end 120° apart.

Note 3 Performance ratings are for guidance only. The user must determine suitability for a particular application.

Note 4 Angular misalignment on all couplings is 3°.

Note 5 Shafts may penetrate up to 0.5 x L. Be certain shafts do not touch.

Note 6 Coupling torque and wind-up are determined by the largest bore selected.

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