

► KSD SERIES BELLOWS COUPLING



Major Features

- Maximum flexibility in the angular, axial and lateral directions.
- Self-centering conical bushings.
- High clamping forces.
- Zero backlash.
- Draw-off holes for easy hub removal.

Material

- Stainless steel bellows; steel hubs

Technical data/Dimensions

Size KSD	Nominal Torque	Moment of Inertia	Torsion Resistance	Max. Lateral Misalignment	Mass	Screw Size	Torque to Tighten Screws	Outer Diameter	Length	Bore Range	
	Nm (lb-in)	10 ⁻³ kgm ² (lb-in ²)	Nm/arcmin (lb-ft/Deg)	mm (inch)	kg (lbs)		Nm (lb-in)	mm (inch)	mm (inch)	min. mm (inch)	max. mm (inch)
KSD-20	20	0.1	5.5	0.25	0.4	M4	4	56	54	15	19
	(177)	(0.34)	(243.4)	(0.01)	(0.9)		(35)	(2.205)	(2.126)	(0.591)	(0.748)
KSD-35	35	0.1	6.1	0.25	0.4	M4	4	56	54	16	19
	(310)	(0.34)	(270)	(0.01)	(0.9)		(35)	(2.205)	(2.126)	(0.63)	(0.748)
KSD-60	60	0.3	9	0.3	0.8	M6	14	66	61	18	24
	(531)	(1.02)	(398.3)	(0.012)	(1.8)		(124)	(2.598)	(2.402)	(0.709)	(0.945)
KSD-80	80	0.9	14.3	0.3	1.3	M6	14	82	66	22	35
	(709)	(3.07)	(632.9)	(0.012)	(2.9)		(124)	(3.228)	(2.598)	(0.866)	(1.378)
KSD-170	170	0.9	18	0.3	1.3	M6	14	82	68	22	35
	(1506)	(3.07)	(796.6)	(0.012)	(2.9)		(124)	(3.228)	(2.677)	(0.866)	(1.378)
KSD-270	270	2.5	32.8	0.3	2.4	M8	34	101	77	28	42
	(2392)	(8.47)	(1451.6)	(0.012)	(5.3)		(301)	(3.976)	(3.031)	(1.102)	(1.654)
KSD-400	400	2.8	47.7	0.3	2.5	M8	34	101	83	28	42
	(3543)	(9.49)	(2080)	(0.012)	(5.5)		(301)	(3.976)	(3.268)	(1.102)	(1.654)
KSD-550	550	5.5	67.8	0.3	3.6	M10	65	122	91	35	48
	(4872)	(18.8)	(3001)	(0.012)	(7.9)		(576)	(4.803)	(3.583)	(1.378)	(1.89)
KSD-900	900	10	100	0.3	5.5	M10	65	132	107	40	60
	(7972)	(33.9)	(4425.6)	(0.012)	(12)		(576)	(5.197)	(4.213)	(1.575)	(2.362)
KSD-1300	1300	20	157	0.3	7.7	M12	115	157	111	40	70
	(11515)	(68.5)	(6498)	(0.012)	(17)		(1019)	(6.181)	(4.37)	(1.575)	(2.756)
KSD-2500	2500	107	393	0.3	24	M16	290	203	165	40	97
	(22144)	(362.7)	(17392.6)	(0.012)	(53)		(2569)	(7.992)	(6.496)	(1.575)	(3.819)

Coupling must be selected so nominal torque is higher than highest operational torque of the application (i.e., during acceleration).
Bore diameters smaller than the minimum are possible but reliable transmission of nominal torque cannot be guaranteed.