KP Series Bellows Coupling

Major Features

- Higher torsional stiffness and a shorter overall length.
- Tightening only one screw per hub locks the coupling free of backlash.
- Advantageous for space constrained or blind assembly installations.
- With EASY Clamp System for easy install and un-install.

Material

- Stainless steel bellow; aluminum hubs

Technical data/Dimensions

Size KP	Nominal Torque	Moment of Inertia	Torsion Resistance	Max. Lateral Misalignment	Mass	Screw Size	Torque to Tighten Screws	Outer Diameter	Length	Bore Range min.	Bore Range max.
	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)	mm (inch)	mm (inch)
KP-2	2	0.0025	0.4	0.1	0.03	M3	2	24.5/27.5	35	3	10/14
	(18)	(.009)	(18)	(0.004)	(0.07)		(18)	(0.965)/(1.083)	(1.378)	(0.118)	(0.394)/(0.551)
KP-5	5	0.0028	0.8	0.1	0.04	M3	2	24.5/27.5	36	3	10/14
	(44)	(0.01)	(35)	(0.004)	(0.09)		(18)	(0.965)/(1.083)	(1.417)	(0.118)	(0.394)/(0.551)
KP-7	7	0.012	1.7	0.15	0.08	M4	4	24.5/27.6	47	6	17
	(62)	(0.04)	(75)	(0.006)	(0.18)		(35)	(0.965)/(1.083)	(1.85)	(0.236)	(0.669)
KP-8	8	0.025	2.1	0.15	0.125	M5	7	39.5/44.5	51.2	6	19/21
	(71)	(0.09)	(93)	(0.006)	(0.28)		(62)	(1.555)/(1.752)	(2.016)	(0.236)	(0.748)/(0.827)
KP-12	12	0.028	2.6	0.15	0.13	M5	7	39.5/44.5	51.2	6	19/21
	(106)	(0.1)	(115)	(0.006)	(0.29)		(62)	(1.555)/(1.752)	(2.016)	(0.236)	(0.748)/(0.827)
KP-20	20	0.13	9	0.2	0.3	M6	14	56	61	9	30
	(177)	(0.44)	(398)	(0.008)	(0.66)		(124)	(2.205)	(2.402)	(0.354)	(1.181)
KP-35	35	0.13	9	0.2	0.3	M6	14	56	61	14	30
	(310)	(0.44)	(398)	(0.008)	(0.66)		(124)	(2.205)	(2.402)	(0.551)	(1.181)
KP-60	60	0.27	14	0.2	0.4	M8	30	66	67	18	34
	(531)	(0.92)	(620)	(0.008)	(0.88)		(266)	(2.598)	(2.638)	(0.709)	(1.339)
KP-100	100	0.35	20	0.2	0.5	M8	35	71	68	22	38
	(886)	(1.19)	(885)	(0.008)	(1.1)		(310)	(2.795)	(2.677)	(0.866)	(1.496)
KP-170	170	0.76	28	0.2	0.8	M10	65	82	80	22	43
	(1506)	(2.59)	(1239)	(0.008)	(1.76)		(576)	(3.228)	(3.15)	(0.866)	(1.693)
KP-270	270	2	52	0.2	1.3	M12	115	101	87	27	55
	(2392)	(6.78)	(2301)	(0.008)	(2.86)		(1019)	(3.976)	(3.425)	(1.063)	(2.165)
KP-400	400	2.15	74	0.2	1.4	M12	115	101	91	34	55
	(3543)	(7.29)	(3275)	(0.008)	(3.08)		(1019)	(3.976)	(3.583)	(1.339)	(2.165)
KP-550	550	4.2	106	0.2	2	M12	115	122	96	38	75
	(4872)	(14.24)	(4691)	(0.008)	(4.4)		(1019)	(4.803)	(3.78)	(1.496)	(2.953)

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.