KM Series Bellows Coupling

Major Features

- Maximum flexibility in the angular, axial and lateral directions and high torsional stiffness.
- With EASY Clamp System for easy install and un-install.
- Same day delivery available.

Material

- Stainless steel bellow; aluminum hubs

Technical data/Dimensions

Size KM	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)
KM-0.4	0.4	0.0003	0.05	0.2	0.01	M2.5	1	16.5	30	3	6
	(4)	(0.001)	(2.21)	(0.008)	(0.02)		(9)	(0.65)	(1.181)	(0.118)	(0.236)
KM-0.9	0.9	0.0004	0.09	0.2	0.01	M2.5	1	16.5	31.5	3	6
	(8)	(0.001)	(3.98)	(0.008)	(0.02)		(9)	(0.65)	(1.24)	(0.118)	(0.236)
KM-2	2	0.003	0.23	0.2	0.03	M3	2	24.5/27.5	42	3	10/14
	(18)	(0.01)	(10.18)	(0.008)	(0.07)		(18)	(0.965)/(1.083)	(1.654)	(0.118)	(0.394)/(0.551)
KM-4	4	0.003	0.46	0.2	0.04	M3	2	24.5/27.5	43.5	3	10/14
	(35)	(0.01)	(20.4)	(0.008)	(0.09)		(18)	(0.965)/(1.083)	(1.713)	(0.118)	(0.394)/(0.551)
KM-7	7	0.014	1.1	0.25	0.07	M4	4	34	57	6	17
	(62)	(.05)	(48.7)	(.098)	(0.15)		(35)	(1.339)	(2.244)	(0.236)	(.669)
KM-8	8	0.026	1.35	0.3	0.13	M5	7	39.5/44.5	59.5	6	19/21
	(71)	(0.09)	(59.7)	(0.012)	(0.29)		(62)	(1.555)/(1.752)	(2.343)	(0.236)	(0.748)/(0.827)
KM-12	12	0.03	2.05	0.25	0.14	M5	7	39.5/44.5	62	10	19/21
	(106)	(0.1)	(90.7)	(0.01)	(0.31)		(62)	(1.555)/(1.752)	(2.441)	(0.394)	(0.748)/(0.827)
KM-20	20	0.14	5.2	0.25	0.3	M6	14	56	70	9	30
	(177)	(0.48)	(230)	(0.01)	(0.66)		(124)	(2.205)	(2.756)	(0.354)	(1.181)
KM-35	35	0.14	5.8	0.25	0.3	M6	14	56	70	14	30
	(310)	(0.48)	(256)	(0.01)	(0.66)		(124)	(2.205)	(2.756)	(0.551)	(1.181)
KM-60	60	0.29	8.7	0.3	0.5	M8	30	66	77	18	34
	(531)	(0.99)	(385)	(0.012)	(1.1)		(266)	(2.598)	(3.031)	(0.709)	(1.339)
KM-80	80	0.79	14	0.3	0.8	M10	65	82	90	17	43
	(709)	(2.69)	(619.6)	(0.012)	(1.76)		(576)	(3.228)	(3.543)	(0.669)	(1.693)
KM-170	170	0.83	17.5	0.3	0.8	M10	65	82	92	22	43
	(1506)	(2.83)	(774.5)	(0.012)	(1.76)		(576)	(3.228)	(3.622)	(0.866)	(1.693)
KM-270	270	2.20	32.3	0.3	1.4	M12	115	101	100	27	55
	(2392)	(7.46)	(1429.5)	(0.012)	(3.08)		(1019)	(3.976)	(3.937)	(1.063)	(2.165)
KM-400	400	2.42	47.1	0.3	1.5	M12	115	101	106	34	55
	(3543)	(8.14)	(2084.5)	(0.012)	(3.3)		(1019)	(3.976)	(4.173)	(1.339)	(2.165)
KM-550	550	4.63	66.9	0.3	2.1	M12	115	122	112	38	75
	(4872)	(15.6)	(2960.7)	(0.012)	(4.62)		(1019)	(4.803)	(4.409)	(1.496)	(2.953)
KM-900	900	9.0	98.9	0.3	3.3	M14	200	133	143	40	76
	(7972)	(30.50)	(4376.9)	(0.012)	(7.26)		(1772)	(5.236)	(5.63)	(1.575)	(2.992)
KM-1300	1300	14	154	0.3	4.2	M16	290	157	146	60	85
	(11515)	(47.5)	(6815.4)	(0.012)	(9.24)		(2569)	(6.181)	(5.748)	(2.362)	(3.346)

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.