KHS Series Bellows Coupling

Major Features

- High speed applications up to 25,000 rpm.
- Low moment of inertia and high torsional stiffness.
- Ideal for test stands, spindle drives and other high speed applications.
- Zero backlash.

Material

- Stainless steel bellow; aluminum hubs

Technical data/Dimensions

Size KHS	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)
KHS-15	15	0.03	1.9	0.1	0.15	6xM4	3	39.5	66	6	15
	(133)	(0.1)	(84)	(0.004)	(0.33)		(27)	(1.555)	(2.598)	(0.236)	(0.591)
KHS-40	40	0.13	8.7	0.1	0.3	6xM4	4	56	69	14	22
	(354)	(0.44)	(385)	(0.004)	(0.66)		(35)	(2.205)	(2.717)	(0.551)	(0.866)
KHS-100	100	0.37	18.9	0.1	0.55	6xM5	8	71	78	17	32
	(886)	(1.26)	(836)	(0.004)	(1.21)		(71)	(2.795)	(3.071)	(0.669)	(1.26)
KHS-200	200	0.86	40.7	0.1	0.83	6xM6	12	82	91	22	40
	(1772)	(2.93)	(1801)	(0.004)	(1.83)		(106)	(3.228)	(3.583)	(0.866)	(1.575)
KHS-400	400	2.5	68.4	0.1	1.6	6xM8	30	101	109	26	50
	(3543)	(8.47)	(3027)	(0.004)	(3.52)		(266)	(3.976)	(4.291)	(1.024)	(1.969)
KHS-600	600	5.3	96	0.1	2.5	6xM10	45	122	127	30	60
	(5315)	(18.07)	(4249)	(0.004)	(5.5)		(399)	(4.803)	(5)	(1.181)	(2.362)

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.