

# ► KSS SERIES BELLOWS COUPLING



## Major Features

- Transmission of high torque values without compromising accuracy or smooth performance.
- For use in corrosive or washdown environments.
- Self-centering conical hubs for keyless shaft-hub connections and high clamping forces.
- Very high torsion-resistant flexible metal bellows.

## Material

- Stainless steel bellows; steel conical bushings

## Technical data/Dimensions

Size KSS	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 <sup>-3</sup> kgm <sup>2</sup> (lb-in <sup>2</sup> )	Nm/arcmin (lb-ft/Deg)	mm (inch)	kg (lbs)		Nm (lb-in)	mm (inch)	mm (inch)	min. mm (inch)	max. mm (inch)
KSS-25	25	0.1	8	0.3	0.4	M4	4	56	57	15	19
	(221)	(0.34)	(354)	(0.012)	(0.9)		(35)	(2.205)	(2.244)	(0.591)	(0.748)
KSS-50	50	0.1	9	0.3	0.4	M4	4	56	57	15	19
	(443)	(0.34)	(398)	(0.012)	(0.9)		(35)	(2.205)	(2.244)	(0.591)	(0.748)
KSS-65	65	0.3	11	0.4	0.7	M6	14	66	69	18	25
	(576)	(1.02)	(486)	(0.016)	(1.5)		(124)	(2.598)	(2.717)	(0.709)	(0.984)
KSS-100	100	0.75	22	0.4	1.2	M6	14	82	78	22	35
	(885)	(2.54)	(974)	(0.016)	(2.6)		(124)	(3.228)	(3.071)	(0.866)	(1.378)
KSS-200	200	0.84	34	0.4	1.2	M6	14	82	84	22	35
	(1770)	(2.85)	(1505)	(0.016)	(2.6)		(124)	(3.228)	(3.307)	(0.866)	(1.378)
KSS-300	300	2.3	45	0.4	2.2	M8	34	101	100	28	42
	(2657)	(7.84)	(1991)	(0.016)	(4.8)		(301)	(3.976)	(3.937)	(1.102)	(1.654)
KSS-450	450	2.4	66	0.4	2.3	M8	34	101	100	28	42
	(3986)	(8.14)	(2921)	(0.016)	(5.1)		(301)	(3.976)	(3.937)	(1.102)	(1.654)
KSS-540	540	4.8	98	0.5	3.4	M10	67	122	111	35	48
	(4783)	(16.3)	(4204)	(0.02)	(7.5)		(593)	(4.803)	(4.37)	(1.378)	(1.89)
KSS-850	850	18	136	0.5	7.5	M12	115	157	152	40	70
	(7529)	(61)	(6018.8)	(0.02)	(17)		(1019)	(6.181)	(5.984)	(1.575)	(2.756)
KSS-1500	1500	19	247	0.5	7.7	M12	115	157	152	40	70
	(13286)	(64.3)	(10931)	(0.02)	(17)		(1019)	(6.181)	(5.984)	(1.575)	(2.756)

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.