

► EKS SERIES ELASTOMER/SHAFT COUPLING



Major Features

- Elastomer coupling with expanding shaft and radial clamping hub.
- For direct mounting in a hollow shaft.
- Star-shaped elastomer element with involute tooth profile and high shore hardness ensures zero backlash over life of product.
- Easy-to-mount radial clamping hub.

Material

- Aluminum hubs; elastomer element; steel shaft

Technical data/Dimensions

Size EKS	Nominal Torque	Elastomer Hardness Shore	Moment of Inertia	Torsion Resistance	Max. Lateral Misalignment	Mass	Screw Size Hub / Shaft	Torque to Tighten Screws	Outer Diameter	Length	Bore Range		Shaft 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)	mm (inch)
EKS-8	8	98 Sh-A	0.01	0.04	0.1	0.1	M4 / M4	4 / 4	32	44.5	8	15	10	14
	(71)		(0.03)	(1.77)	(0.004)			(0.22)			(35 / 35)	(1.26)	(1.752)	(0.315)
EKS-15	15	98 Sh-A	0.03	0.23	0.1	0.2	M5 / M5	8 / 8	40	59	10	19	13	18
	(133)		(0.1)	(10.2)	(0.004)			(0.44)			(71 / 71)	(1.575)	(2.323)	(0.394)
EKS-60	60	98 Sh-A	0.16	0.6	0.1	0.4	M8 / M6	14 / 34	60	73	15	29	15	20
	(531)		(0.54)	(27)	(0.004)			(0.88)			(124 / 301)	(2.362)	(2.874)	(0.591)
EKS-150	150	98 Sh-A	0.38	1	0.1	0.7	M10 / M8	34 / 67	70	81.5	22	33	20	28
	(1329)		(1.3)	(44.2)	(0.004)			(1.54)			(301 / 593)	(2.756)	(3.209)	(0.866)
EKS-300	300	98 Sh-A	0.94	2	0.12	1.1	M12 / M10	67 / 115	85	93	30	42	25	32
	(2657)		(3.21)	(88.5)	(0.005)			(2.43)			(593 / 1018)	(3.346)	(3.661)	(1.181)
EKS-500	500	98 Sh-A	2.6	5.8	0.15	2.1	M12 / M12	35 / 115	100	106	38	56	30	38
	(4429)		(8.86)	(256.7)	(0.006)			(4.63)			(310 / 1018)	(3.937)	(4.173)	(1.496)
EKS-700	700	98 Sh-A	5.1	8	0.15	3	M14 / M12	35 / 185	120	121.5	40	70	35	48
	(6200)		(17.39)	(354)	(0.006)			(6.62)			(310 / 1637)	(4.724)	(4.783)	(1.575)

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.