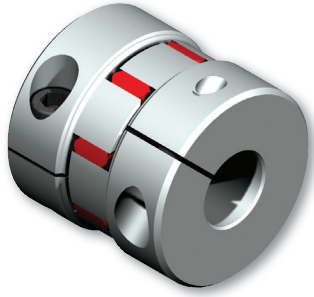


▶ EKM SERIES ELASTOMER COUPLINGS



Major Features

- Easy-to-mount radial clamping hubs.
- Star-shaped elastomer element with involute tooth profile and high shore hardness ensures zero backlash over life of product.
- Electrically insulating and dampens oscillation resonance.
- Elastomer spider compensates for small shaft misalignments.
- Same day delivery available.

Material

- Aluminum hubs; polyurethane 72 Shore D spider
- Aluminum hubs; polyurethane 98 Shore A spider

Technical data/Dimensions

Size EKM	Nominal Torque	Elastomer Hardness Shore	Moment of Inertia	Torsion Resistance	Max. Lateral Misalignment	Mass	Screw Size	Torque to Tighten Screws	Outer Diameter	Length	Bore 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)
MEKM-2	2 (18)	98 Sh-A	0.0002 (0.001)	0.002 (0.09)	0.1 (0.004)	0.01 (0.02)	M2	0.5 (4)	14 (0.551)	22 (0.866)	3, 4 or 5 mm	
MEKM-5	5 (44)	98 Sh-A	0.001 (0.003)	0.004 (0.18)	0.1 (0.004)	0.02 (0.04)	M2.5	1 (9)	20 (0.787)	30 (1.181)	5, 6, 8 mm or .250"	
MEKM-7	7 (62)	98 Sh-A	0.006 (0.021)	0.013 (0.58)	0.1 (0.004)	0.05 (0.11)	M4	2.5 (22)	30 (1.181)	35 (1.378)	8, 10, 12 mm or .375"	
EKM-8	8 (71)	98 Sh-A	0.01 (0.03)	0.04 (1.8)	0.1 (0.004)	0.06 (0.13)	M4	4 (35)	32 (1.260)	40 (1.575)	8 (0.315)	15 (0.591)
EKM-15	15 (133)	98 Sh-A	0.03 (0.10)	0.24 (10.6)	0.1 (0.004)	0.12 (0.26)	M5	8 (71)	40 (1.575)	50 (1.968)	10 (0.394)	19 (0.748)
EKM-20	20 (177)	72 Sh-D	0.03 (0.10)	0.34 (15.1)	0.07 (0.003)	0.12 (0.26)	M5	8 (71)	40 (1.575)	50 (1.968)	12 (0.472)	19 (0.748)
EKM-30	30 (266)	98 Sh-A	0.09 (0.31)	0.41 (18.2)	0.1 (0.004)	0.21 (0.46)	M6/M5	14/8 (124)/(71)	50 (1.968)	58 (2.283)	13 (0.512)	26/30 (1.024)/(1.181)
EKM-45	45 (398)	72 Sh-D	0.09 (0.31)	0.58 (25.7)	0.07 (0.003)	0.21 (0.46)	M6	14 (124)	50 (1.968)	58 (2.283)	18 (0.709)	26 (1.024)
EKM-60	60 (531)	98 Sh-A	0.18 (0.62)	0.61 (27.0)	0.1 (0.004)	0.32 (0.71)	M8	35 (310)	60 (2.362)	62 (2.441)	15 (0.591)	29 (1.142)
EKM-90	90 (797)	72 Sh-D	0.18 (0.62)	0.9 (39.9)	0.07 (0.003)	0.32 (0.71)	M8/M6	35/14 (310)/(124)	60 (2.362)	62 (2.441)	20 (0.787)	29/32 (1.142)/(1.259)
EKM-150	150 (1328)	98 Sh-A	0.38 (1.30)	1.05 (46.5)	0.1 (0.004)	0.52 (1.15)	M10/M8	67/35 (593)/(310)	70 (2.756)	73 (2.874)	22/30 (0.866)/(1.181)	33/38 (1.299)/(1.496)
EKM-200	200 (1770)	72 Sh-D	0.38 (1.30)	1.5 (66.4)	0.07 (0.003)	0.52 (1.15)	M10/M8	67/35 (593)/(310)	70 (2.756)	73 (2.874)	26 (1.024)	33/38 (1.299)/(1.496)
EKM-300	300 (2655)	98 Sh-A	1.0 (3.42)	2 (88.6)	0.12 (0.005)	0.9 (1.98)	M12/M10	115/67 (1018)/(593)	85 (3.346)	86 (3.386)	30/38 (1.181)/(1.496)	42/46 (1.654)/(1.811)
EKM-400	400 (3540)	72 Sh-D	1.0 (3.42)	2.85 (126.2)	0.1 (0.004)	0.9 (1.98)	M12/M10	115/67 (1018)/(593)	85 (3.346)	86 (3.386)	35 (1.378)	42/46 (1.654)/(1.811)
EKM-500	500 (4425)	98 Sh-A	2.2 (7.52)	5.8 (256.8)	0.15 (0.006)	1.5 (3.3)	M12	115 (1018)	100 (3.937)	94 (3.701)	38 (1.496)	56 (2.205)
EKM-700	700 (6196)	98 Sh-A	5.2 (17.77)	8 (354.2)	0.15 (0.006)	2.5 (5.5)	M14	185 (1637)	120 (4.724)	109 (4.291)	40 (1.575)	70 (2.756)
EKM-1000	1000 (8851)	72 Sh-D	5.2 (17.77)	12 (531.4)	0.1 (0.004)	2.5 (5.5)	M14	185 (1637)	120 (4.724)	109 (4.291)	48 (1.89)	70 (2.756)
EKM-2000	2000 (17702)	98 Sh-A	50 (170.86)	21 (929.9)	0.15 (0.006)	14 (31)	M16	290 (2567)	160 (6.300)	124 (4.882)	50 (1.969)	90 (3.543)

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.