



NEW LOW COST SERVO COUPLING

► EKC SERIES ELASTOMER COUPLING



Major Features

- Low cost elastomer coupling for motion control applications
- Quick standard delivery (same day delivery available)
- Star-shaped elastomer element with involute tooth profile and high shore hardness ensures zero backlash over life of product.
- Elastomer spider compensates for small shaft misalignments.

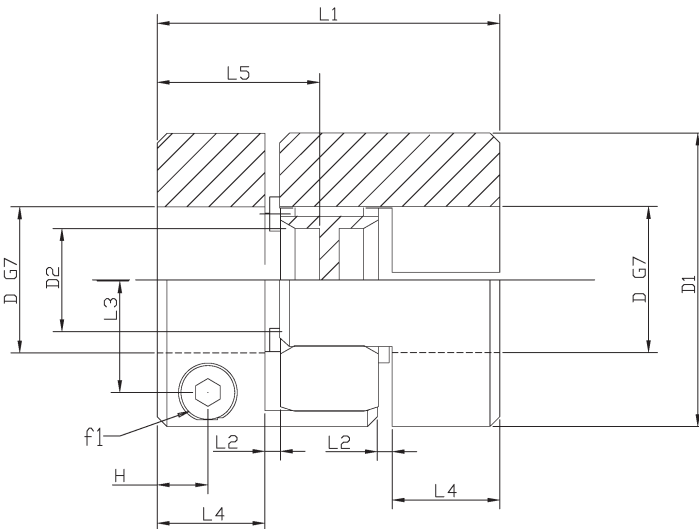
Material

- Anodized aluminum hubs and polyurethane 92 Shore A, 98 Shore A, and 72 Shore D spiders available

Technical data/Dimensions

Coupling Size	Rated Torque* Nm (lb-in)	Elastomer	Elastomer Color	Moment of Inertia 10 ⁻³ kgm ² (lb-in ²)	Torsion Resistance Nm/arcmin (lb-ft/Deg)	Max. Lateral Misalignment mm (inch)	Mass kg (lbs)	Torque to Tighten Screws Nm (lb-in)	Bore Range (D)		Standard Bore Sizes
									min.	max.	
								mm (inch)	mm (inch)		
EKC-5	5 (44)	92 Sh A	Yellow	0.0060 (0.0204)	0.008 (0.35)	0.15 (0.0059)	0.045 (0.1)	5.65 (50)	5 (0.1969)	15 (0.5906)	6, 8, 10, 11, 12, 14 0.25", 0.375", 0.5"
		98 Sh A	Red		0.013 (0.58)	0.09 (0.0035)					
		72 Sh D	White		0.018 (0.81)	0.04 (0.0016)					
EKC-25	25 (221)	92 Sh A	Yellow	0.0407 (0.1390)	0.109 (4.84)	0.1 (0.0039)	0.14 (0.31)	13.00 (115)	8 (0.3150)	20 (0.7874)	10, 11, 12, 14, 16, 19, 20 0.375", 0.5", 0.625", 0.75"
		98 Sh A	Red		0.182 (8.06)	0.06 (0.0024)					
		72 Sh D	White		0.255 (11.29)	0.03 (0.0012)					
EKC-35	35 (310)	92 Sh A	Yellow	0.1667 (0.5696)	0.268 (11.869)	0.14 (0.0055)	0.28 (0.62)	13.00 (115)	13 (0.5118)	28 (1.1024)	14, 16, 19, 20, 24, 28 0.5", 0.625", 0.75", 1"
		98 Sh A	Red		0.447 (19.78)	0.1 (0.0039)					
		72 Sh D	White		0.626 (27.69)	0.05 (0.0020)					
EKC-80	80 (708)	92 Sh A	Yellow	0.3825 (1.3071)	0.346 (15.32)	0.15 (0.0059)	0.53 (1.17)	27.68 (245)	19 (0.7480)	38.1 (1.5)	19, 20, 24, 28, 32, 35 0.75", 1", 1.25", 1.375", 1.5"
		98 Sh A	Red		0.577 (25.53)	0.11 (0.0043)					
		72 Sh D	White		0.808 (35.74)	0.06 (0.0024)					
EKC-110	110 (443)	92 Sh A	Yellow	1.1026 (3.7677)	0.661 (29.25)	0.17 (0.0067)	0.96 (2.12)	27.68 (245)	24 (0.9449)	45 (1.7717)	24, 28, 32, 35, 38, 40 1", 1.25", 1.375", 1.5"
		98 Sh A	Red		1.102 (48.76)	0.12 (0.0047)					
		72 Sh D	White		1.542 (68.26)	0.07 (0.0028)					

*Higher torques permissible at larger bores

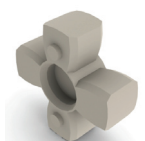
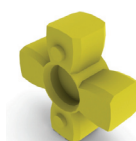
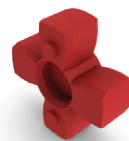


Dimension	EKC-5	EKC-25	EKC-35	EKC-80	EKC-110
	mm (in)	mm (in)	mm (in)	mm (in)	mm (in)
L1: Overall Length	35 (1.38)	66 (2.6)	78 (3.07)	90 (3.54)	114 (4.49)
L2: Gap	1.5 (0.06)	2 (0.08)	2 (0.08)	2.5 (0.10)	3 (0.12)
L3: Radial Bolt Location	10 (0.39)	14.5 (0.57)	20 (0.79)	25 (0.98)	30 (1.18)
L4: Hub Thickness	11 (0.43)	25 (0.98)	30 (1.18)	35 (1.38)	45 (1.77)
L5: Engagement	16.5 (0.65)	31.5 (1.24)	37.5 (1.475)	43 (1.69)	55 (2.165)
D1: Hub OD	30 (1.18)	40 (1.57)	55 (2.17)	65 (2.56)	80 (3.15)
D1*: Overall OD (w/ bolts)	32 (1.26)	45 (1.77)	57 (2.24)	72 (2.83)	83 (3.27)
D2: Elastomer ID	10.5 (0.41)	18 (0.71)	27 (1.06)	30 (1.18)	38 (1.5)
H: Axial Bolt Location	5 (0.2)	11 (0.43)	10.5 (0.41)	11.5 (0.45)	15.5 (0.61)
f1: Screw Size	M4	M6	M6	M8	M8

Red: 98 Shore A

Yellow: 92 Shore A

White: 72 Shore D



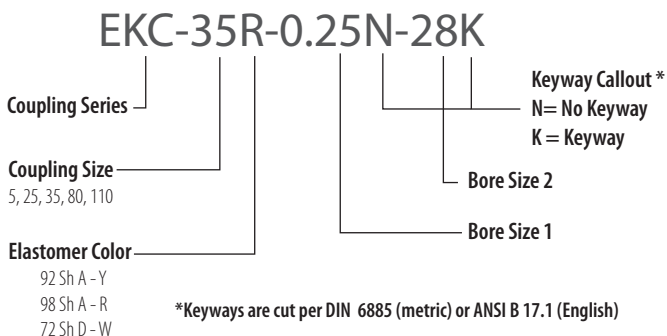
Coupling must be selected so rated torque is higher than highest operational torque of the application (i.e., during acceleration).

For more information, call us toll-free at 888-GAM-7117 | Visit www.gamweb.com for 2-D and 3-D Drawings



▶ EKC SERIES ELASTOMER COUPLING

Sample order code:



Coupling Size	Price (w/ 2 Standard Bores)	Additional Price per Non-Standard Bore	Additional Price per Keyway
EKC-5	\$34.00	\$6.00	\$6.00
EKC-25	\$40.00	\$6.00	\$6.00
EKC-35	\$59.00	\$6.00	\$6.00
EKC-80	\$78.00	\$7.00	\$7.00
EKC-110	\$86.00	\$7.00	\$7.00

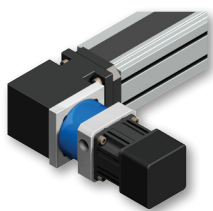
Volume Discounts*: 10-24: 5% 25+: 10% *Minimum order value applies

GAM is ranked as one of Inc. Magazine's 2008 top 5000 fastest growing private companies in America

GAM is a leading provider of precision mechanical power transmission components used in the automation of machinery. GAM has a broad product range of gear-reducers, servo-couplings, safety-couplings, and motor mount kits. Our Motto is: BE FLEXIBLE TO MEET OUR CUSTOMERS' REQUESTS AND GIVE GREAT SERVICE. That means, if you can't find exactly what you are looking for in our standard catalog, contact us.

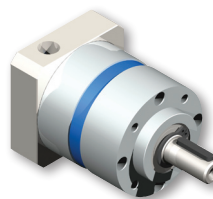
**GAM CAN.
JUST ASK!**

OTHER GAM PRODUCTS



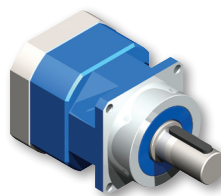
Linear Slide Kit (LSK): Customized mounting solution without long lead times

- Customized assembly to mount any motor or gearbox to any linear slide
- Coupling included
- Quick delivery



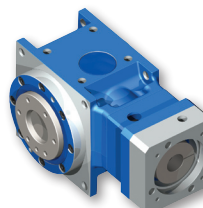
EPL Series: Low cost inline planetary gear reducer with custom configurations

- Ratios: 3 – 1000:1
- Frame size: 50 – 150 mm
- Backlash: less than 8 arc minutes
- Efficiencies: 92%



SPL Series: Planetary inline gear reducers that pack great performance at a great price

- Ratios: 3 – 100:1
- Frame size: 60 – 180 mm
- Backlash: less than 3 arc minutes
- Efficiencies: 95%



Dyna Series: The only right angle hypoid gear reducer up to 15:1 in a single stage

- Ratios: 3 – 150:1
- Frame size: 55 – 190 mm
- Backlash: less than 1 arc minutes
- Efficiencies: up to 96%

For more information about GAM please visit www.gamweb.com



► 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	
	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)	min.
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.

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► KP SERIES BELLOWS COUPLING



Major Features

- Higher torsional stiffness and a shorter overall length.
- Tightening only one screw per hub locks the coupling free of backlash.
- Advantageous for space constrained or blind assembly installations.
- With EASY Clamp System for easy install and un-install.

Material

- Stainless steel bellow; aluminum hubs

Technical data/Dimensions

Size KP	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 ⁻³ kgm ² (lb-in ²)	Nm/arcmin (lb-ft/Deg)	mm (inch)	kg (lbs)		Nm (lb-in)	mm (inch)	mm (inch)	min. mm (inch)	max. mm (inch)
KP-2	2	0.0025	0.4	0.1	0.03	M3	2	24.5/27.5	35	3	10/14
	(18)	(.009)	(18)	(0.004)	(0.07)		(18)	(0.965)/(1.083)	(1.378)	(0.118)	(0.394)/(0.551)
KP-5	5	0.0028	0.8	0.1	0.04	M3	2	24.5/27.5	36	3	10/14
	(44)	(0.01)	(35)	(0.004)	(0.09)		(18)	(0.965)/(1.083)	(1.417)	(0.118)	(0.394)/(0.551)
KP-7	7	0.012	1.7	0.15	0.08	M4	4	24.5/27.6	47	6	17
	(62)	(0.04)	(75)	(0.006)	(0.18)		(35)	(0.965)/(1.083)	(1.85)	(0.236)	(0.669)
KP-8	8	0.025	2.1	0.15	0.125	M5	7	39.5/44.5	51.2	6	19/21
	(71)	(0.09)	(93)	(0.006)	(0.28)		(62)	(1.555)/(1.752)	(2.016)	(0.236)	(0.748)/(0.827)
KP-12	12	0.028	2.6	0.15	0.13	M5	7	39.5/44.5	51.2	6	19/21
	(106)	(0.1)	(115)	(0.006)	(0.29)		(62)	(1.555)/(1.752)	(2.016)	(0.236)	(0.748)/(0.827)
KP-20	20	0.13	9	0.2	0.3	M6	14	56	61	9	30
	(177)	(0.44)	(398)	(0.008)	(0.66)		(124)	(2.205)	(2.402)	(0.354)	(1.181)
KP-35	35	0.13	9	0.2	0.3	M6	14	56	61	14	30
	(310)	(0.44)	(398)	(0.008)	(0.66)		(124)	(2.205)	(2.402)	(0.551)	(1.181)
KP-60	60	0.27	14	0.2	0.4	M8	30	66	67	18	34
	(531)	(0.92)	(620)	(0.008)	(0.88)		(266)	(2.598)	(2.638)	(0.709)	(1.339)
KP-100	100	0.35	20	0.2	0.5	M8	35	71	68	22	38
	(886)	(1.19)	(885)	(0.008)	(1.1)		(310)	(2.795)	(2.677)	(0.866)	(1.496)
KP-170	170	0.76	28	0.2	0.8	M10	65	82	80	22	43
	(1506)	(2.59)	(1239)	(0.008)	(1.76)		(576)	(3.228)	(3.15)	(0.866)	(1.693)
KP-270	270	2	52	0.2	1.3	M12	115	101	87	27	55
	(2392)	(6.78)	(2301)	(0.008)	(2.86)		(1019)	(3.976)	(3.425)	(1.063)	(2.165)
KP-400	400	2.15	74	0.2	1.4	M12	115	101	91	34	55
	(3543)	(7.29)	(3275)	(0.008)	(3.08)		(1019)	(3.976)	(3.583)	(1.339)	(2.165)
KP-550	550	4.2	106	0.2	2	M12	115	122	96	38	75
	(4872)	(14.24)	(4691)	(0.008)	(4.4)		(1019)	(4.803)	(3.78)	(1.496)	(2.953)

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.



► KLC SERIES BELLOWS COUPLING



Major Features

- Bellows coupling with radial clamping hubs.
- Short overall length.
- Welded hub bellow connection.
- Same day delivery available.
- Low cost.

Material

- Stainless steel bellow; steel hubs

Technical data/Dimensions

Size KLC	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 ⁻³ kgm ² (lb-in ²)	Nm/arcmin (lb-ft/Deg)	mm (inch)	kg (lbs)		Nm (lb-in)	mm (inch)	mm (inch)	min. mm (inch)	max. mm (inch)
KLC-25	25	0.09	3.5	0.2	0.22	M5	10	50	61	10	28
	(221)	(0.31)	(154.9)	(0.008)	(0.5)		(89)	(1.969)	(2.402)	(0.394)	(1.102)
KLC-50	50	0.22	6.5	0.2	0.43	M6	18	60	67	15	34
	(443)	(0.75)	(287.7)	(0.008)	(0.9)		(159)	(2.362)	(2.638)	(0.591)	(1.339)
KLC-125	125	0.75	12	0.2	0.9	M8	40	77	81	16	43
	(1106)	(2.56)	(531.1)	(0.008)	(2)		(354)	(3.031)	(3.189)	(0.63)	(1.693)

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.

► KG SERIES BELLOWS COUPLING



Major Features

- Bellows coupling with radial clamping hubs.
- With EASY Clamp System for easy install and un-install.
- Short overall length.
- Also available in stainless steel versions.

Material

- Stainless steel bellow; steel hubs

Technical data/Dimensions

Size KG	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 ⁻³ kgm ² (lb-in ²)	Nm/arcmin (lb-ft/Deg)	mm (inch)	kg (lbs)		Nm (lb-in)	mm (inch)	mm (inch)	min. mm (inch)	max. mm (inch)
KG-5	5	0.004	0.9	0.1	0.06	M3	2	24	29	6	11
	(44)	(0.014)	(39.8)	(0.004)	(0.13)		(18)	(0.945)	(1.142)	(0.236)	(0.433)
KG-10	10	0.019	2.1	0.15	0.14	M4	5	34	38	8	16
	(88)	(0.065)	(92.9)	(0.006)	(0.31)		(44)	(1.339)	(1.496)	(0.315)	(0.630)
KG-20	20	0.044	3.4	0.15	0.22	M5	10	39.5	43	10	20
	(177)	(0.15)	(150)	(0.006)	(0.49)		(89)	(1.555)	(1.693)	(0.394)	(0.787)
KG-40	40	0.18	9	0.2	0.5	M6	16	56	55	12	28
	(354)	(0.62)	(398)	(0.008)	(1.1)		(142)	(2.205)	(2.165)	(0.472)	(1.102)
KG-80	80	0.44	14	0.2	0.9	M8	40	66	61	14	35
	(708)	(1.49)	(620)	(0.008)	(2.0)		(354)	(2.598)	(2.402)	(0.551)	(1.378)
KG-140	140	.74	20	.2	1.1	M8	40	71	62	18	40
	(1239)	(2.51)	(885)	(0.008)	(2.4)		(354)	(2.795)	(2.441)	(0.709)	(1.575)
KG-220	220	1.22	28	0.2	1.5	M10	80	82	73	20	42
	(1947)	(4.14)	(1239)	(0.008)	(3.3)		(708)	(3.228)	(2.874)	(0.787)	(1.654)
KG-350	350	2.60	52	0.2	2.4	M12	135	101	82	22	50
	(1106)	(8.81)	(2301)	(0.008)	(5.3)		(1195)	(3.976)	(3.228)	(0.866)	(1.969)
KG-700	700	5.40	106	0.2	3.4	M12	135	122	85	42	64
	(2213)	(18.3)	(4691)	(0.008)	(7.5)		(1195)	(4.803)	(3.346)	(1.654)	(2.520)
KG-1300	1300	24.8	225	0.1	8.5	M16	300	157	111	50	90
	(11506)	(81.36)	(9957)	(0.004)	(18.7)		(2655)	(6.181)	(4.370)	(1.969)	(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.



► KR SERIES BELLOWS COUPLING



Major Features

- High torsional stiffness with low lateral spring rates for reduced bearing loads.
- Transmission of high torque values without compromising accuracy or smooth performance.
- Tightening only one screw per hub locks the coupling free of backlash.
- Advantageous for space constrained or blind assembly installations.
- With EASY Clamp System for easy install and un-install.

Material

- Stainless steel bellows; aluminum hubs

Technical data/Dimensions

Size KR	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 ⁻³ kgm ² (lb-in ²)	Nm/arcmin (lb-ft/Deg)	mm (inch)	kg (lbs)		Nm (lb-in)	mm (inch)	mm (inch)	min. mm (inch)	max. mm (inch)
KR-25	25	0.12	8	0.2	0.3	M6	14	56	73	14	30
	(221)	(0.41)	(354)	(0.008)	(0.7)		(124)	(2.205)	(2.874)	(0.551)	(1.181)
KR-50	50	0.12	9	0.2	0.3	M6	14	56	73	20	30
	(443)	(0.41)	(398)	(0.008)	(0.7)		(124)	(2.205)	(2.874)	(0.787)	(1.181)
KR-65	65	0.25	11	0.2	0.4	M8	34	66	85	18	34
	(576)	(0.85)	(486.8)	(0.008)	(0.9)		(301)	(2.598)	(3.346)	(0.709)	(1.339)
KR-100	100	0.7	22	0.4	0.75	M10	50	82	102	16	43
	(885)	(2.37)	(973.6)	(0.016)	(1.65)		(443)	(3.228)	(4.016)	(0.63)	(1.693)
KR-200	200	0.84	34	0.2	0.8	M10	67	82	108	22	43
	(1683)	(2.85)	(1504.7)	(0.008)	(1.8)		(593)	(3.228)	(4.252)	(0.866)	(1.693)
KR-300	300	2	45	0.3	1.3	M12	115	101	123	30	55
	(2657)	(6.78)	(1991.5)	(0.012)	(2.9)		(1019)	(3.976)	(4.843)	(1.181)	(2.165)
KR-450	450	2.15	66	0.2	1.4	M12	115	101	123	45	55
	(3986)	(7.29)	(2920.9)	(0.008)	(3.1)		(1019)	(3.976)	(4.843)	(1.772)	(2.165)
KR-540	540	4	98	0.3	2	M12	115	122	132	38	75
	(4783)	(13.6)	(4337)	(0.012)	(4.4)		(1019)	(4.803)	(5.197)	(1.496)	(2.953)

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.

► KSD SERIES BELLOWS COUPLING



Major Features

- Maximum flexibility in the angular, axial and lateral directions.
- Self-centering conical bushings.
- High clamping forces.
- Zero backlash.
- Draw-off holes for easy hub removal.

Material

- Stainless steel bellows; steel hubs

Technical data/Dimensions

Size KSD	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 ⁻³ kgm ² (lb-in ²)	Nm/arcmin (lb-ft/Deg)	mm (inch)	kg (lbs)		Nm (lb-in)	mm (inch)	mm (inch)	min. mm (inch)	max. mm (inch)
KSD-20	20	0.1	5.5	0.25	0.4	M4	4	56	54	15	19
	(177)	(0.34)	(243.4)	(0.01)	(0.9)		(35)	(2.205)	(2.126)	(0.591)	(0.748)
KSD-35	35	0.1	6.1	0.25	0.4	M4	4	56	54	16	19
	(310)	(0.34)	(270)	(0.01)	(0.9)		(35)	(2.205)	(2.126)	(0.63)	(0.748)
KSD-60	60	0.3	9	0.3	0.8	M6	14	66	61	18	24
	(531)	(1.02)	(398.3)	(0.012)	(1.8)		(124)	(2.598)	(2.402)	(0.709)	(0.945)
KSD-80	80	0.9	14.3	0.3	1.3	M6	14	82	66	22	35
	(709)	(3.07)	(632.9)	(0.012)	(2.9)		(124)	(3.228)	(2.598)	(0.866)	(1.378)
KSD-170	170	0.9	18	0.3	1.3	M6	14	82	68	22	35
	(1506)	(3.07)	(796.6)	(0.012)	(2.9)		(124)	(3.228)	(2.677)	(0.866)	(1.378)
KSD-270	270	2.5	32.8	0.3	2.4	M8	34	101	77	28	42
	(2392)	(8.47)	(1451.6)	(0.012)	(5.3)		(301)	(3.976)	(3.031)	(1.102)	(1.654)
KSD-400	400	2.8	47.7	0.3	2.5	M8	34	101	83	28	42
	(3543)	(9.49)	(2080)	(0.012)	(5.5)		(301)	(3.976)	(3.268)	(1.102)	(1.654)
KSD-550	550	5.5	67.8	0.3	3.6	M10	65	122	91	35	48
	(4872)	(18.8)	(3001)	(0.012)	(7.9)		(576)	(4.803)	(3.583)	(1.378)	(1.89)
KSD-900	900	10	100	0.3	5.5	M10	65	132	107	40	60
	(7972)	(33.9)	(4425.6)	(0.012)	(12)		(576)	(5.197)	(4.213)	(1.575)	(2.362)
KSD-1300	1300	20	157	0.3	7.7	M12	115	157	111	40	70
	(11515)	(68.5)	(6498)	(0.012)	(17)		(1019)	(6.181)	(4.37)	(1.575)	(2.756)
KSD-2500	2500	107	393	0.3	24	M16	290	203	165	40	97
	(22144)	(362.7)	(17392.6)	(0.012)	(53)		(2569)	(7.992)	(6.496)	(1.575)	(3.819)

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.



► 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	
	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)	min. mm (inch)	max. 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.

► KSS SERIES BELLWS 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 ⁻³ kgm ² (lb-in ²)	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.



► KGH SERIES BELLOWS COUPLING



Major Features

- Bellows coupling with split hubs for easy mounting and dismounting.
- Custom length option.
- Short overall length.
- 2 corrugation or 4 corrugation bellows options.

Material

- Stainless steel bellow; steel hubs

Technical data/Dimensions

Size KGH	Nominal Torque	Moment of Inertia	Torsion Resistance 4W(2W)	Max. Lateral Misalignment 4W(2W)	Mass	Screw Size	Torque to Tighten Screws	Outer Diameter	Length (4W)	Length (2W)	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)	mm (inch)	mm (inch)	mm (inch)	mm (inch)
KGH-40	40	0.2	9 (16)	0.2 (0.1)	0.6	M6	16	56	66	56	12	28
	(354)	(0.68)	398.3 (708)	0.008 (0.004)	(1.32)		(142)	(2.205)	(2.598)	(2.205)	(0.472)	(1.102)
KGH-80	80	0.5	14 (26)	0.2 (0.1)	0.9	M8	40	66	68	60	14	35
	(709)	(1.71)	619 (1150)	0.008 (0.004)	(1.98)		(354)	(2.598)	(2.677)	(2.362)	(0.551)	(1.378)
KGH-220	220	1.4	28 (50)	0.2 (0.1)	1.8	M10	80	82	85	75	20	42
	(1949)	(4.77)	1239 (2212)	0.008 (0.004)	(3.96)		(709)	(3.228)	(3.346)	(2.953)	(0.787)	(1.654)
KGH-350	350	3	52 (93)	0.2 (0.1)	2.8	M12	135	101	94	83	22	48
	(3100)	(10.23)	2301 (4115)	0.008 (0.004)	(6.16)		(1196)	(3.976)	(3.701)	(3.268)	(0.866)	(1.89)
KGH-700	700	7.3	106 (190)	0.2 (0.1)	4.6	M14	180	122	107	91	35	62
	(6200)	(24.89)	4691 (8408)	0.008 (0.004)	(10.12)		(1594)	(4.803)	(4.213)	(3.583)	(1.378)	(2.441)

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.

► KPP SERIES PLUGGABLE BELLOWS COUPLING



Major Features

- Bellows coupling with radial clamping hubs.
- Special plug-in design with EASY Clamp System for easy installation.
- Higher torsional stiffness and shorter overall length.
- Tightening only one screw per hub locks the coupling free of backlash.

Material

- Stainless steel bellow; aluminum hubs

Technical data/Dimensions

Size KPP	Nominal Torque	Moment of Inertia	Torsional Stiffness	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 (lb)		Nm (lb-in)	mm (inch)	mm (inch)	min. mm (inch)	max. mm (inch)
KPP-20	20	0.17	4.6	0.2	0.38	M 6	14	61	77.5	9	30
	(177)	(0.58)	(204)	(0.008)	(0.8)		(124)	(2.402)	(3.051)	(0.354)	(1.181)
KPP-35	35	0.17	5	0.2	0.38	M 6	14	61	77.5	14	30
	(310)	(0.58)	(221)	(0.008)	(0.8)		(124)	(2.402)	(3.051)	(0.551)	(1.181)
KPP-60	60	0.34	8	0.2	0.6	M 8	30	71	85.5	18	34
	(531)	(1.16)	(354)	(0.008)	(1.3)		(266)	(2.795)	(3.366)	(0.709)	(1.339)
KPP-100	100	0.46	12	0.2	0.66	M 8	35	75	86	22	38
	(886)	(1.57)	(531)	(0.008)	(1.5)		(310)	(2.953)	(3.386)	(0.866)	(1.496)
KPP-170	170	0.9	16	0.2	0.95	M 10	65	87	99.5	22	43
	(1506)	(3.07)	(708)	(0.008)	(2.1)		(576)	(3.425)	(3.917)	(0.866)	(1.693)
KPP-270	270	2.2	31	0.2	1.6	M 12	115	106	106.5	27	55
	(2392)	(7.5)	(1372)	(0.008)	(3.5)		(1019)	(4.173)	(4.193)	(1.063)	(2.165)
KPP-400	400	2.4	45	0.2	1.7	M 12	115	106	110.5	34	55
	(3543)	(8.18)	(1992)	(0.008)	(3.7)		(1019)	(4.173)	(4.35)	(1.339)	(2.165)
KPP-550	550	5.1	67	0.2	2.4	M 12	115	126	116.5	38	75
	(4872)	(17.4)	(2965)	(0.008)	(5.3)		(1019)	(4.961)	(4.587)	(1.496)	(2.953)

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.



► KPS SERIES BELLOWS/SHAFT COUPLING



Major Features

- Bellows coupling with radial clamping hubs.
- Special plug-in design with EASY Clamp System for easy installation.
- Higher torsional stiffness and shorter overall length.
- Tightening only one screw per hub locks the coupling free of backlash.

Material

- Stainless steel bellows; aluminum hubs; steel shaft

Technical data/Dimensions

Size KPS	Nominal Torque	Moment of Inertia	Torsion Resistance	Max. Lateral Misalignment	Mass	Screw Size Hub / Shaft	Torque to Tighten Screws Hub / Shaft	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)	min.
KPS-2	2	0.01	0.4	0.1	0.03	M3 / M3	2 / 4	24.5/27.5	38	3	10/14	8	12
	(18)	(0.03)	(18)	(0.004)	(0.07)		(17 / 35)						
KPS-8	8	0.02	1.9	0.15	0.1	M5 / M5	8 / 8	39.5/44.5	61	6	19/21	13	18
	(71)	(0.07)	(84)	(0.006)	(0.22)		(71 / 71)						
KPS-20	20	0.13	7	0.2	0.3	M6 / M6	14 / 14	56	73	9	30	15	20
	(177)	(0.44)	(309)	(0.008)	(0.66)		(124 / 124)						
KPS-60	60	0.28	13	0.2	0.4	M8 / M8	30 / 30	66	78	18	34	20	28
	(531)	(0.95)	(575)	(0.008)	(0.88)		(266 / 266)						
KPS-170	170	0.94	27	0.2	0.8	M10 / M10	65 / 65	82	92	22	43	25	32
	(1506)	(3.21)	(1195)	(0.008)	(1.76)		(575 / 575)						
KPS-400	400	1.95	64	0.2	1.4	M12 / M12	115 / 100	101	102	34	55	30	38
	(3543)	(6.65)	(2832)	(0.008)	(3.08)		(1018 / 885)						
KPS-550	550	3.9	96	0.2	2	M12 / M12	115 / 115	122	116	38	75	35	48
	(4872)	(13.3)	(4248)	(0.008)	(4.4)		(1018 / 1018)						

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.

▶ WD SERIES BELLOWS DRIVE SHAFT COUPLING



Major Features

- Bellows drive shaft coupling with split hubs.
- Customized lengths up to 20 feet.
- High speeds, very low inertia.
- Compensation of high radial loads for prevention of premature bearing failure.

Material

- Aluminum hubs (size 50-400)
- Steel hubs (size 800-1600)
- Stainless steel bellows; aluminum tubing

Technical data/Dimensions

Size WD	Nominal Torque	Torsional Resistance at 1.0 m	Moment of Inertia at 1.0 m	Max. Angular Misalignment	Mass at 1.0 m	Screw Size	Torque to Tighten Screws	Outer Diameter	Bore Range	
	Nm (lb-in)	Nm/arcmin (lb-ft/Deg)	10^{-3}kgm^2 (lb-in ²)	Degrees	kg (lbs)		Nm (lb-in)	mm (inch)	min. mm (inch)	max. mm (inch)
WD-50	50	1.5	0.9	1.1	1.9	2x M8	35	58	9	25
	(443)	(66)	(3.07)		(4.2)		(310)	(2.244)	(0.354)	(0.984)
WD-100	100	2.7	1.7	1.1	2.5	2x M10	65	75	12.5	35
	(886)	(120)	(5.8)		(5.5)		(576)	(2.756)	(0.492)	(1.378)
WD-200	200	5.8	5.4	1	4.3	2x M12	115	89	19	42
	(1772)	(257)	(18.4)		(9.5)		(1019)	(3.268)	(0.748)	(1.654)
WD-400	400	18	12	0.9	7	2x M14	185	109	24	55
	(3543)	(797)	(40.7)		(15.4)		(1639)	(4.016)	(0.945)	(2.165)
WD-800	800	25	29	0.8	15	4x M12	115	123	24	65
	(7086)	(1106)	(98.3)		(33)		(1019)	(4.843)	(0.945)	(2.559)
WD-1600	1600	64	112	0.8	33	4x M16	290	158	35	85
	(14172)	(2832)	(379.7)		(73)		(2569)	(6.22)	(1.378)	(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.



► EKM SERIES ELASTOMER COUPLING



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.
- Electronically 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 kg (lbs)	Screw Size	Torque to Tighten Screws	Outer Diameter mm (inch)	Length mm (inch)	Bore Range	
	Nm (lb-in)		10 ⁻³ kgm ² (lb-in ²)	Nm/arcmin (lb-ft/Deg)	mm (inch)			Nm (lb-in)			mm (inch)	mm (inch)
MEKM-2	2	98 Sh-A	0.000	0.002	0.1	0.006	M3	0.7	14	22	3, 4 or 5 mm	
	(18)		(0.001)	(0.09)	(0.004)			(0.01)	(0.6)	(0.55)		
MEKM-5	5	98 Sh-A	0.001	0.004	0.1	0.019	M3	0.7	20	30	5, 6, 8 mm or .250"	
	(44)		(0.003)	(0.18)	(0.004)			(0.04)	(0.6)	(0.79)		
MEKM-7	7	98 Sh-A	0.006	0.013	0.1	0.05	M4	1.7	30	35	8, 10, 12 mm or .375"	
	(62)		(0.021)	(0.58)	(0.004)			(0.11)	(15)	(1.18)		
EKM-8	8	98 Sh-A	0.01	0.04	0.1	0.06	M4	4	32	40	8	15
	(71)		(0.03)	(2.1)	(0.004)			(0.13)	(35)	(1.26)	(1.575)	(0.315)
EKM-15	15	98 Sh-A	0.03	0.24	0.1	0.12	M5	8	40	50	10	19
	(133)		(0.1)	(10.6)	(0.004)			(0.3)	(71)	(1.575)	(1.969)	(0.394)
EKM-20	20	72 Sh-D	0.03	0.34	0.07	0.12	M5	8	40	50	12	19
	(177)		(0.1)	(15.4)	(0.003)			(0.3)	(71)	(1.575)	(1.969)	(0.472)
EKM-30	30	98 Sh-A	0.09	0.41	0.1	0.21	M6/M5	14	50	58	13	26/30
	(266)		(0.31)	(18)	(0.004)			(0.5)	(124)	(1.969)	(2.283)	(0.512)
EKM-45	45	72 Sh-D	0.09	0.58	0.07	0.21	M6	14	50	58	18	26
	(399)		(0.31)	(25.7)	(0.003)			(0.5)	(124)	(1.969)	(2.283)	(0.709)
EKM-60	60	98 Sh-A	0.18	0.61	0.1	0.32	M8	35	60	62	15	29
	(531)		(0.61)	(27)	(0.004)			(0.7)	(310)	(2.362)	(2.441)	(0.591)
EKM-90	90	72 Sh-D	0.18	0.9	0.07	0.32	M8/M6	35	60	62	20	29/32
	(797)		(0.61)	(39.9)	(0.003)			(0.7)	(310)	(2.362)	(2.441)	(0.787)
EKM-150	150	98 Sh-A	0.38	1.05	0.1	0.52	M8/M10	35/67	70	73	22/30	33/38
	(1329)		(1.3)	(46.5)	(0.004)			(1.1)	(309)/(593)	(2.756)	(2.874)	(0.866)/(1.181)
EKM-200	200	72 Sh-D	0.38	1.5	0.07	0.52	M10/M8	67	70	73	26	33/38
	(1772)		(1.3)	(66.9)	(0.003)			(1.1)	(593)	(2.756)	(2.874)	(1.024)
EKM-300	300	98 Sh-A	1	2	0.12	0.9	M10/M12	67/115	85	86	30/38	42/46
	(2657)		(3.41)	(88.5)	(0.005)			(2)	(593)/(1019)	(3.346)	(3.386)	(1.181)/(1.496)
EKM-400	400	72 Sh-D	1	2.85	0.1	0.9	M12/M10	115	85	86	35	42/46
	(3543)		(3.41)	(126.1)	(0.004)			(2)	(1019)	(3.346)	(3.386)	(1.378)

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► EKM SERIES ELASTOMER COUPLING (CONT.)



Technical data/Dimensions, continued

Size EKM	Nominal Torque	Elastomer Hardness Shore	Moment of Inertia	Torsion Resistance	Max. Lateral Misalignment	Mass kg (lbs)	Screw Size	Torque to Tighten Screws	Outer Diameter mm (inch)	Length mm (inch)	Bore Range	
	Nm (lb-in)		10 ⁻³ kgm ² (lb-in ²)	Nm/arcmin (lb-ft/Deg)	mm (inch)			Nm (lb-in)			mm (inch)	min. mm (inch)
EKM-500	500	98 Sh-A	2.2	5.8	0.15	1.5	M12	115	100	94	38	56
	(4429)		(7.5)	(257.4)	(0.006)			(3.3)				
EKM-700	700	98 Sh-A	5.2	8	0.15	2.5	M14	185	120	109	40	70
	(6200)		(17.73)	(354.00)	(0.006)			(5.5)				
EKM-1000	1000	72 Sh-D	5.2	12	0.1	2.5	M14	185	120	109	48	70
	(8851)		(17.73)	(531)	(0.004)			(5.5)				

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.

► EKZ SERIES ELASTOMER/DRIVE SHAFT COUPLING



Major Features

- Special design makes “one person assembly” possible, even with an extremely long intermediate pipe.
- During maintenance, can be exchanged without disassembling the drive or output units.
- Elastomer spider compensates for small shaft misalignments.
- Electronically insulating and dampens oscillation resonance.
- The frictional shaft-hub connection is backlash free and ensures a safe torque transfer without keyways.

Material

- Aluminum shaft and hubs; polyurethane 72 Shore D spider

Technical data/Dimensions

Size EKZ	Nominal Torque	Moment of Inertia at 1.0 m	Torsional Stiffness at 1.0 m	Mass at 1.0 m	Screw Size	Torque to Tighten Screws	Outer Diameter mm (inch)	Minimum Length mm (inch)	Bore Range	
	Nm (lb-in)	10 ⁻³ kgm ² (lb-in ²)	Nm/arcmin (lb-ft/Deg)	kg (lbs)		Nm (lb-in)			mm (inch)	min. mm (inch)
EKZ-20	20	0.1	.07	0.8	M5	8	40	132	10	19
	(177)	(0.34)	(3.1)	(1.8)		(71)				
EKZ-45	45	0.36	.19	1.6	M6	14	50	152	13	26
	(399)	(1.22)	(8.4)	(3.5)		(124)				
EKZ-90	90	0.54	0.23	1.9	M8	35	60	160	15	29
	(797)	(1.83)	(10.2)	(4.2)		(310)				
EKZ-200	200	1.1	0.4	2.5	M10	67	70	186	22	33
	(1772)	(3.73)	(17.7)	(5.5)		(593)				
EKZ-400	400	3.2	1.0	3.9	M12	115	85	220	30	42
	(3543)	(10.9)	(44.3)	(8.6)		(1019)				
EKZ-700	700	12.5	2.5	8.1	M14	185	120	284	40	70
	(6200)	(42.4)	(110.6)	(17.8)		(1639)				

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.



▶ ESM SERIES ELASTOMER COUPLING



Major Features

- High speed capability.
- Backlash free shaft couplings for small and medium torque values.
- Star-shaped elastomer element with involute tooth profile and high shore hardness ensures zero backlash over life of product.
- Elastomer spider compensates for small shaft misalignments.

Material

- Steel hubs and polyurethane 72 Shore D and 98 Shore A spider
- Aluminum versions available (ESM-A)

Technical data/Dimensions

Size ESM	Nominal Torque	Elastomer Hardness Shore	Moment of Inertia	Moment of Inertia Aluminum Version	Torsion Resistance	Max. Lateral Misalignment	Mass	Mass Aluminum Version	Screw Size	Torque to Tighten Screws	Outer Diameter	Length	Bore Range	
	Nm (lb-in)		10 ⁻³ kgm ² (lb-in ²)	10 ⁻³ kgm ² (lb-in ²)									Nm/arcmin (lb-ft/Deg)	mm (inch)
ESM-10	10	98 Sh-A	0.02	0.015	0.04	0.1	0.15	0.11	4xM3	1.8	32	50	6	14
	(89)		(0.07)	(0.05)										
ESM-17	17	98 Sh-A	.08	.05	0.24	0.1	0.35	0.28	6xM4	4	40	66	9	19
	(151)		(0.27)	(0.2)										
ESM-25	25	72 Sh-D	0.1	0.06	0.35	0.07	0.35	0.28	6xM4	4	40	66	10	19
	(221)		(0.34)	(0.2)										
ESM-43	43	98 Sh-A	0.29	0.19	0.4	0.1	0.65	0.4	4xM5	8	50	78	12	24
	(381)		(0.99)	(0.65)										
ESM-50	50	72 Sh-D	0.29	0.19	0.58	0.07	0.65	0.4	4xM5	8	50	78	15	24
	(443)		(0.99)	(0.65)										
ESM-60	60	98 Sh-A	0.43	0.28	0.6	0.1	0.9	0.6	4xM5	8	55	78	12	25
	(531)		(1.47)	(0.95)										
ESM-90	90	72 Sh-D	0.43	0.28	0.9	0.07	0.9	0.6	4xM5	8	55	78	16	25
	(797)		(1.47)	(0.95)										
ESM-150	150	98 Sh-A	0.92	0.65	1.05	0.1	1.2	0.9	8xM5	8	65	90	17	35
	(1329)		(3.14)	(2.22)										
ESM-200	200	72 Sh-D	0.92	0.65	1.52	0.07	1.2	0.9	8xM5	8	65	90	19	35
	(1772)		(3.14)	(2.22)										
ESM-320	320	98 Sh-A	2.7	2	2	0.12	2.6	1.9	4xM8	35	80	114	20	40
	(2834)		(9.15)	(6.82)										
ESM-400	400	72 Sh-D	2.7	2	2.85	0.1	2.6	1.9	4xM8	35	80	114	25	40
	(3543)		(9.15)	(6.82)										
ESM-500	500	98 Sh-A	8.8	5.6	5.8	0.15	6	4.5	4xM10	67	100	138	22	48
	(4429)		(29.80)	(19.1)										
ESM-700	700	98 Sh-A	20.5	13	8	0.15	9.5	7	4xM12	115	120	155	25	60
	(6200)		(69.50)	(44.33)										
ESM-1000	1000	72 Sh-D	20.5	13	12	0.1	9.5	7	4xM12	115	120	155	25	60
	(8851)		(69.50)	(44.33)										

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.

► 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.