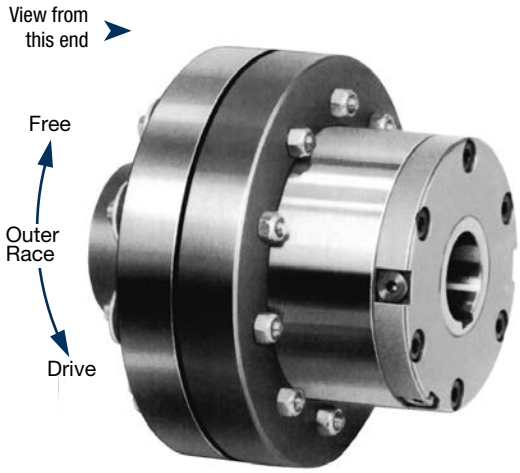
Clutch Couplings

AL..KEED2, ALM..KEED2

Overrunning, Indexing, Backstopping Ball Bearing Supported, Ramp & Roller Clutch Couplings



Right Hand rotation shown.
(Left Hand opposite.)
Specify direction of rotation when ordering.

Model AL..KEED2 is a ramp & roller type clutch coupling, self contained, sealed and bearing supported, using two 160 Series bearings. Unit is shipped oil lubricated.

In this design, a standard AL clutch is connected to a KEE flexible coupling for in-line mounting. The KEE model is a rugged coupling, economical and suitable for many applications.

D2 cover is used to enclose the unit. It is equipped with two screws for oil filling.

We recommend that the unit be supplied assembled.

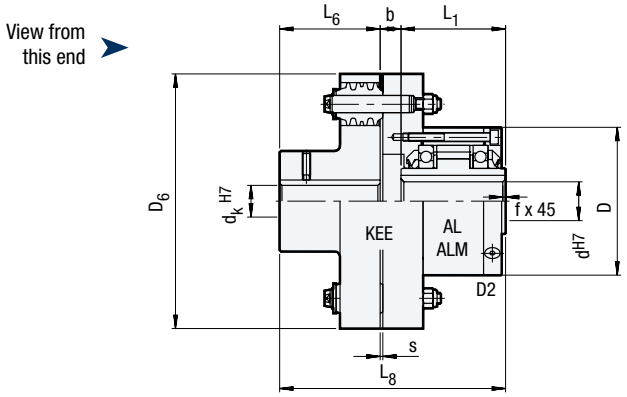
If grease lubrication is used, the maximum overrunning speed is reduced by 50%.

For bolt tightening torque values, see page 134.

Specifications

Model	Size	KEE Coupling	Torque Capacity lb.ft. (Nm)	Overrunning Speed Max. RPM Inner Race	Overrunning Speed Max. RPM Outer Race	Hub Bore Range d_K^{H7}	Shipping Weight lb. (kg)
AL.. KEED2	12	2	41 (55)	2,500	6,000	0.47 – 0.98 (12 – 25)	6.62 (3)
	15	3	90 (122)	1,900	6,000	0.63 – 1.18 (16 – 30)	9.70 (4.4)
	20	3	90 (122)	1,600	5,600	0.63 – 1.18 (16 – 30)	10.14 (4.6)
	25	4	213 (288)	1,400	4,500	0.79 – 1.57 (20 – 40)	14.11 (6.4)
	30	5	369 (500)	1,300	4,100	0.79 – 1.97 (20 – 50)	24.26 (11)
	35	6	535 (725)	1,100	3,800	0.98 – 2.56 (25 – 65)	37.48 (17)
	40	6	756 (1025)	950	3,400	0.98 – 2.56 (25 – 65)	41.90 (19)
	45	6	775 (1050)	900	3,200	0.98 – 2.56 (25 – 65)	41.90 (19)
	50	7	1,292 (1750)	850	2,800	1.18 – 2.95 (30 – 75)	68.36 (31)
	55	8	1,937 (2625)	720	2,650	1.38 – 3.54 (35 – 90)	103.64 (47)
	60	8	2,030 (2750)	680	2,450	1.38 – 3.54 (35 – 90)	108.05 (49)
	70	10	4,244 (5750)	580	2,150	1.77 – 4.33 (45 – 110)	198.45 (90)
	80	11	6,273 (8500)	480	1,900	2.17 – 4.92 (55 – 125)	235.94 (107)
	90	12	10,148 (13750)	380	1,700	2.56 – 5.51 (65 – 140)	374.85 (170)
	100	14	14,760 (20000)	350	1,450	2.95 – 6.30 (75 – 160)	507.15 (230)
	120	16	22,140 (30000)	250	1,250	3.35 – 7.09 (85 – 180)	727.65 (330)
	150	18	32,288 (43750)	180	980	3.74 – 7.87 (95 – 200)	1,102.50 (500)
	200	22	71,955 (97500)	120	750	4.92 – 9.84 (125 – 250)	2,127.83 (965)
	250	28	184,500 (250000)	100	620	6.30 – 12.60 (160 – 320)	3,803.62 (1725)
ALM.. KEED2	25	4	213 (288)	1,100	2,800	0.79 – 1.57 (20 – 40)	14.11 (6.4)
	30	5	434 (588)	1,000	2,500	0.79 – 1.97 (20 – 50)	24.26 (11)
	35	6	618 (838)	900	2,400	0.98 – 2.56 (25 – 65)	37.48 (17)

Note: For clutch bore (d^{H7}) and keyseat information see page 93. When ordering, please specify direction of rotation.



Dimensions inches (mm)

Model	Size	d^{H7}	D	L_1	D_6	L_6	L_8	b	s	f
AL.. KEED2	12	0.47 (12)	2.44 (62)	1.65 (42)	3.82 (97)	1.38 (35)	3.54 (90)	0.51 (13)	0.12 (3)	0.02 (0.5)
	15	0.59 (15)	2.68 (68)	2.05 (52)	4.41 (112)	1.57 (40)	4.33 (110)	0.71 (18)	0.12 (3)	0.03 (0.8)
	20	0.79 (20)	2.95 (75)	2.24 (57)	4.41 (112)	1.57 (40)	4.51 (114.5)	0.69 (17.5)	0.12 (3)	0.03 (0.8)
	25	0.98 (25)	3.54 (90)	2.36 (60)	5.12 (130)	1.97 (50)	5.02 (127.5)	0.69 (17.5)	0.12 (3)	0.04 (1)
	30	1.18 (30)	3.94 (100)	2.68 (68)	6.30 (160)	2.36 (60)	5.83 (148)	0.79 (20)	0.08 (2)	0.04 (1)
	35	1.38 (35)	4.33 (110)	2.91 (74)	7.48 (190)	2.95 (75)	6.61 (168)	0.75 (19)	0.08 (2)	0.04 (1)
	40	1.57 (40)	4.92 (125)	3.39 (86)	7.48 (190)	2.95 (75)	7.01 (178)	0.67 (17)	0.08 (2)	0.06 (1.5)
	45	1.77 (45)	5.12 (130)	3.39 (86)	7.48 (190)	2.95 (75)	7.01 (178)	0.67 (17)	0.08 (2)	0.06 (1.5)
	50	1.97 (50)	5.91 (150)	3.62 (92)	8.86 (225)	3.54 (90)	8.15 (207)	0.98 (25)	0.10 (2.5)	0.06 (1.5)
	55	2.17 (55)	6.30 (160)	4.09 (104)	10.63 (270)	3.94 (100)	9.19 (233.5)	1.16 (29.5)	0.12 (3)	0.08 (2)
	60	2.36 (60)	6.69 (170)	4.49 (114)	10.63 (270)	3.94 (100)	9.61 (244)	1.18 (30)	0.12 (3)	0.08 (2)
	70	2.76 (70)	7.48 (190)	5.28 (134)	13.39 (340)	5.51 (140)	12.30 (312.5)	1.52 (38.5)	0.12 (3)	0.10 (2.5)
	80	3.15 (80)	8.27 (210)	5.67 (144)	14.96 (380)	6.30 (160)	13.39 (340)	1.42 (36)	0.12 (3)	0.10 (2.5)
	90	3.54 (90)	9.06 (230)	6.22 (158)	17.32 (440)	7.09 (180)	15.28 (388)	1.97 (50)	0.14 (3.5)	0.12 (3)
	100	3.94 (100)	10.63 (270)	7.17 (182)	19.69 (500)	7.87 (200)	16.63 (422.5)	1.59 (40.5)	0.14 (3.5)	0.12 (3)
	120	4.72 (120)	12.20 (310)	7.95 (202)	22.05 (560)	8.66 (220)	18.54 (471)	1.93 (49)	0.16 (4)	0.12 (3)
	150	5.91 (150)	15.75 (400)	9.69 (246)	25.20 (640)	9.84 (250)	21.38 (543)	1.85 (47)	0.16 (4)	0.16 (4)
	200	7.87 (200)	20.47 (520)	12.83 (326)	34.65 (880)	12.60 (320)	27.58 (700.5)	2.15 (54.5)	0.18 (4.5)	0.20 (5)
	250	9.84 (250)	24.02 (610)	15.59 (396)	45.67 (1160)	15.75 (400)	34.17 (868)	2.83 (72)	0.20 (5)	0.20 (5)
ALM.. KEED2	25	0.98 (25)	3.54 (90)	2.36 (60)	5.12 (130)	1.97 (50)	5.02 (127.5)	0.69 (17.5)	0.12 (3)	0.04 (1)
	30	1.18 (30)	3.94 (100)	2.68 (68)	6.30 (160)	2.36 (60)	5.83 (148)	0.79 (20)	0.08 (2)	0.04 (1)
	35	1.38 (35)	4.33 (110)	2.91 (74)	7.48 (190)	2.95 (75)	6.61 (168)	0.75 (19)	0.08 (2)	0.04 (1)