

Self-Contained Freewheels

AL..KMSD2



Back of
AL..KMSD2

TYPE



Type AL..KMSD2 is a roller type freewheel, self-contained, sealed and bearing supported, using two 160.. series bearings. Unit is delivered oil lubricated. This combination is used as overrunning clutch as shown overleaf.

In this design, a standard AL freewheel is connected to a KMS flexible coupling for in-line mounting. The KMS type is a rugged coupling, economical and suitable for

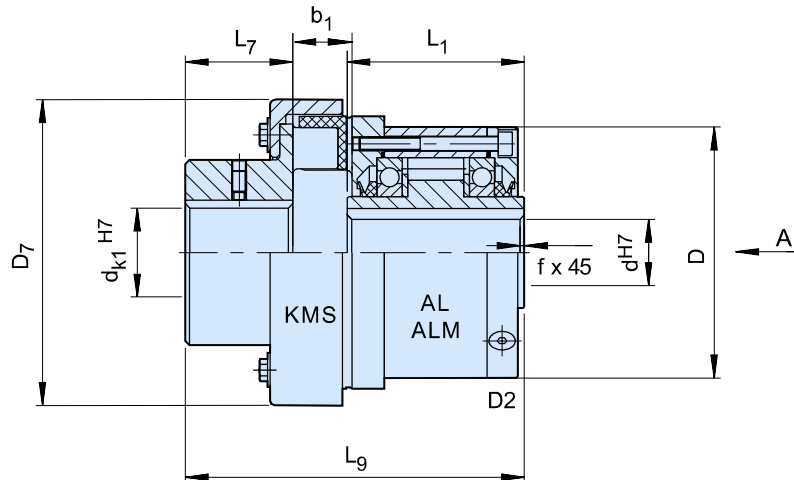
many applications. D2 cover is used to close the unit. It is equipped with two screws for oil filling, drain and level. We recommend the unit is supplied assembled.

Please specify inner race direction of rotation seen from the D2 flange. Refer to manufacturer's catalogue to check coupling selection.

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Coupling half: keyway tolerance P9

Type	Size		Overrunning speeds										Weight
	d^{H7}	KMS	T_{KN}	$n_{imax}^{1)}$	$n_{amax}^{2)}$	d_{k1}^{H7}	D	L_1	D_7	L_7	L_9	b_1	[kg]
	[mm]		[Nm]	[min ⁻¹]	[min ⁻¹]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
AL..KMSD2	12	4	50	2500	6000	7... 35	62	42	78	40	100	18	2,10
	15	6,3	79	1900	6000	12... 40	68	52	90	45	116	20	2,70
	20	10	125	1600	5600	10... 45	75	57	117	48	123,5	17	3,80
	25	10	125	1400	4500	10... 45	90	60	117	48	126,5	17	4,4
	30	16	200	1300	4100	10... 50	100	68	129	52	140	19	5,9
	35	25	313	1100	3800	15... 55	110	74	134	57	155	22	8,1
	40	40	500	950	3400	20... 60	125	86	155	61	173	26	11,4
	45	63	788	900	3200	20... 70	130	86	175	67	186	30	13,3
	50	100	1250	850	2800	25... 75	150	92	196	75	208,5	35	19,1
	55	100	1250	720	2650	25... 75	160	104	196	75	216,5	35	20,4
	60	160	2000	680	2450	30... 80	170	114	223	82	243	41	27,1
	70	250	3125	580	2150	35... 90	190	134	252	89	277,5	47	40,4
	80	400	5000	480	1900	45... 100	210	144	290	97	305	56	57
	90	630	7875	380	1700	60... 120	230	158	330	116	346,5	64	87
	100	1000	12500	350	1450	75... 140	270	182	378	140	386	75	131
120	1600	20000	250	1250	90... 160	310	202	432	160	430	85	196	
150	On Request												
200	On Request												
250	On Request												
ALM..KMSD2	25	16	200	1100	2800	12... 50	90	60	117	52	132,5	19	4,4
	30	25	313	1000	2500	15... 55	100	68	129	57	150	22	5,9
	35	40	500	900	2400	18... 60	110	74	134	61	163	26	8,1

NOTES

1) Inner race overruns

2) Outer race overruns

Keyway to DIN 6885.1

When ordering, please specify bore $\varnothing d_k$ and direction of rotation seen from arrow „A“: „R“ Inner race overruns in clockwise direction, „L“ Inner race overruns in counterclockwise direction

» Refer to mounting and maintenance instructions page 12 to 13

MOUNTING EXAMPLE

