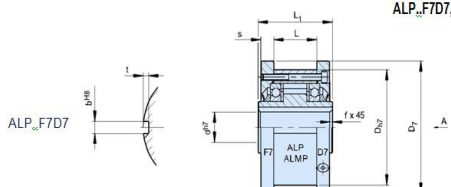


AL & ALP Series

Types AL, ALP are roller type freewheels. These units are part of the Stieber modular system. They are bearing supported, using two 160.. series bearings, and require oil lubrication. These units may be used in designs providing oil lubrication and sealing as on the example overleaf. The bearings must not be axially stressed. Typically, types AL, ALP are used with standard covers that are designed to transmit torque, and provide oil lubrication and sealing. Usually these covers are used in pairs according to combinations shown on the following pages. The outer race of the AL model is plain to receive and center any component bored to H7 tolerance. Torque is transmitted by bolts through the cover plate in this case. Types AL, ALP are identical except that type ALP has a keyway on the outside diameter to transmit the torque. Two paper seals are delivered with each unit to be placed between the outer race and cover plates.

Freewheel Clutch Bearings: AL-ALP Series



Motion(shanghai)IndustrialDevelopment Co.,Ltd

Type	Size		Overrunning speeds						Number									Weight		Drag torque
	d _{H7}	TKN ¹⁾	n _{imax} ²⁾	n _{amax} ³⁾	d _{H7}	L ₁	D ₅	D ₃		z	O	d _{4 h7}	t	L ₅	K	s	f	[kg]	[Ncm]	
MOTN	[mm]	[Nm]	[min ⁻¹]	[min ⁻¹]	[mm]	[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	[Ncm]	
AL..F2D2 AL..F4D2	12	55	2500	7200	62	42	85	72	3	5,5	42	3	44	0,5	10,3	0,5	0,9		11	
AL..F2D2 AL..F4D2	15	125	1900	6500	68	52	92	78	3	5,5	47	3	54	0,5	10,3	0,8	1,3		15	
AL..F2D2 AL..F4D2	20	181	1600	5600	75	57	98	85	4	5,5	55	3	59	0,5	10,8	0,8	1,7		18	
AL..F2D2 AL..F4D2	25	288	1400	4500	90	60	118	104	4	6,6	68	3	62	0,5	10,5	1	2,6		36	
AL..F2D2 AL..F4D2	30	500	1300	4100	100	68	128	114	6	6,6	75	3	70	0,5	11,3	1	3,5		48	
AL..F2D2 AL..F4D2	35	725	1100	3800	110	74	138	124	6	6,6	80	3,5	76	1	11,8	1	4,5		60	
AL..F2D2 AL..F4D2	40	1025	950	3400	125	86	160	142	6	9	90	3,5	88	1	13,8	1,5	6,9		84	
AL..F2D2 AL..F4D2	45	1125	900	3200	130	86	165	146	8	9	95	3,5	88	1	13,8	1,5	7,1		94	
AL..F2D2 AL..F4D2	50	2125	850	2800	150	92	185	166	8	9	110	4	94	1	12,8	1,5	10,1		128	
AL..F2D2 AL..F4D2	55	2625	720	2650	160	104	204	182	8	11	115	4	106	1,5	16,8	2	13,1		150	
AL..F2D2 AL..F4D2	60	3500	680	2450	170	114	214	192	10	11	125	4	116	1,5	16,3	2	15,6		160	
AL..F2D2 AL..F4D2	70	5750	580	2150	190	134	234	212	10	11	140	4	136	1,5	17,8	2,5	20,4		360	
AL..F2D2 AL..F4D2	80	8500	480	1900	210	144	254	232	10	11	160	4	146,3	1,5	20,3	2,5	26,7		360	
AL..F2D2 AL..F4D2	90	14500	380	1700	230	158	278	254	10	14	180	4,5	161	1,5	20	3	39		680	
AL..F2D2 AL..F4D2	100	20000	350	1450	270	182	335	305	10	18	210	5	184	2,5	28	3	66		880	
AL..F2D2 AL..F4D2	120	31250	250	1250	310	202	375	345	12	18	240	5	204	2,5	28,5	3	91		1200	
AL..F2D2 AL..F4D2	150	70000	180		400	246	485	445	12	22	310	5	249	2,5	31	4	186		1350	
AL..F2D2 AL..F4D2	200	175000	120		520	326	625	565	18	26	400	5	328	3	40	5	425		4200	
AL..F2D2 AL..F4D2	250	287500	100		610	396	740	680	20	33	480	5	398	3	45	5	680		6500	
ALM..F2D2 ALM..F4D2	25	388	1100	2800	90	60	118	104	4	6,6	68	3	62	0,5	10,5	1	2,7		41	
ALM..F2D2 ALM..F4D2	30	588	1000	2500	100	68	128	114	6	6,6	75	3	70	0,5	11,3	1	3,65		64	
ALM..F2D2 ALM..F4D2	35	838	900	2400	110	74	138	124	6	6,6	80	3,5	76	1	11,8	1	4,7		76	

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