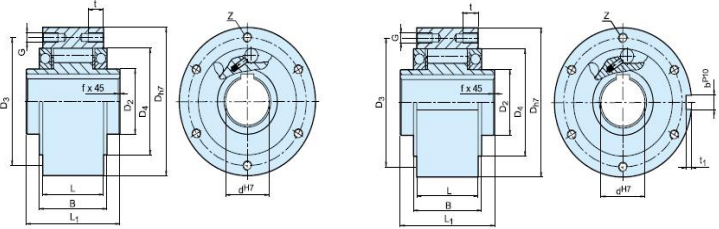


**GFR & GFRN Series**

Types GFR, GFRN 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 GFR, GFRN are used with the F series 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 GFR 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 GFR, GFRN are identical except that type GFRN 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: GFRN Series**



Motion(shanghai)Industrial Development Co.,Ltd

Type	Size	Overrunning speeds			Number								Weight					
		$d^{H7}$ [mm]	$T_{KN}^{1)}$ [Nm]	$n_{imax}^{2)}$ [min-1]	$n_{amax}^{3)}$ [min-1]	$D_{H7}$ [mm]	$D_2$ [mm]	$D_4$ [mm]	$D_3$ [mm]	G	t [mm]	z		$L_1$ [mm]	L [mm]	B [mm]	$t_1$ [mm]	$b^{P10}$ [mm]
GFR GFRN	12	55	4000	7200	62	20	42	51	ø5.5	-	3	42	20	27	2.5	4	0.5	0.5
GFR GFRN	15	125	3600	6500	68	25	47	56	M5	8	3	52	28	32	3	5	0.8	0.8
GFR GFRN	20	181	2700	5600	75	30	55	64	M5	8	4	57	34	39	3.5	6	0.8	1
GFR GFRN	25	288	2100	4500	90	40	68	78	M6	10	4	60	35	40	4	8	1	1.5
GFR GFRN	30	500	1700	4100	100	45	75	87	M6	10	6	68	43	48	4	8	1	2.2
GFR GFRN	35	725	1550	3800	110	50	80	96	M6	12	6	74	45	51	5	10	1	3
GFR GFRN	40	1025	1150	3400	125	55	90	108	M8	14	6	86	53	59	5	12	1.5	4.6
GFR GFRN	45	1125	1000	3200	130	60	95	112	M8	14	8	86	53	59	5.5	14	1.5	4.7
GFR GFRN	50	2125	800	2800	150	70	110	132	M8	14	8	94	64	72	5.5	14	1.5	7.2
GFR GFRN	55	2625	750	2650	160	75	115	138	M10	16	8	104	66	72	6	16	2	8.6
GFR GFRN	60	3500	650	2450	170	80	125	150	M10	16	10	114	78	89	7	18	2	10.5
GFR GFRN	70	5750	550	2150	190	90	140	165	M10	16	10	134	95	108	7.5	20	2.5	13.5
GFR GFRN	80	8500	500	1900	210	105	160	185	M10	16	10	144	100	108	9	22	2.5	18.2
GFR GFRN	90	14500	450	1700	230	120	180	206	M12	20	10	158	115	125	9	25	3	28.5
GFR GFRN	100	20000	350	1450	270	140	210	240	M16	24	10	182	120	131	10	28	3	42.5
GFR GFRN	130	31250	250	1250	310	160	240	278	M16	24	12	212	152	168	11	32	3	65
GFR GFRN	150	70000	200	980	400	200	310	360	M20	32	12	246	180	194	12	36	4	138

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