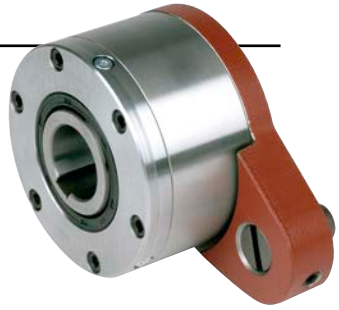
GFR..F2F3
GFR..F3F4



TYPE

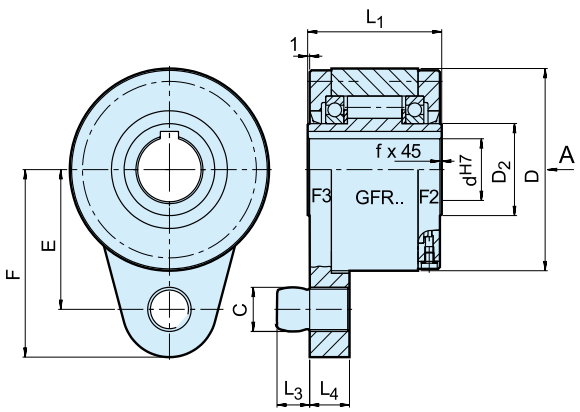
Types GFR..F2F3/F3F4 are roller type freewheels, self-contained, sealed and bearing supported, using two 160.. series bearings.

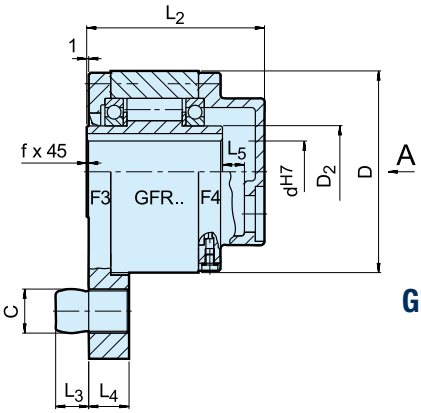
They use the GFR base module. Units must be oil lubricated before use if they are delivered disassembled and in any case for the F3F4 combination. These cover combinations are primarily used as backstops, as shown overleaf. The F3 cover acts as a torque arm and has an integrated stop bolt. The stop bolt should go into a slot in a fixed part of the machine. The stop bolt must have a radial clearance of 1–3 % of the bolt's diameter. The torque arm and bearings must not be prestressed in any way. F2 and F4 covers are used to close the unit. They are equipped with 3 screws for oil filling, drain and level.

If using cover type F4, shaft end plate and its screw must be sealed to avoid oil leakage through the keyway. Covers are easily fitted, allowing on site selection of rotation direction. If requested units can be delivered assembled and lubricated for the F2F3 combination.

GFR..F2F3, GFR..F3F4

GFR...F2F3





GFR...F3F4

Type	Size		Overrunning speed												Weight
	d^{H7}	T_{KN} 1)	n_{imax} 2)	D	D_2	C	L_1	L_2	L_3	L_4	F	E	L_5	f	
	[mm]	[Nm]	[min^{-1}]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]
GFR..F2-F3 GFR..F3-F4	12	55	3100	62	20	10	42	64	10	13	59	44	6	0,5	1,4
	15	125	2800	68	25	10	52	78	10	13	62	47	10	0,8	1,8
	20	181	2400	75	30	12	57	82	11	15	72	54	10	0,8	2,3
	25	288	1600	90	40	16	60	85	14	18	84	62	10	1,0	3,4
	30	500	1300	100	45	16	68	95	14	18	92	68	10	1,0	4,5
	35	725	1200	110	50	20	74	102	18	25	102	76	12	1,0	5,6
	40	1025	850	125	55	20	86	115	18	25	112	85	12	1,5	8,5
	45	1125	740	130	60	25	86	115	22	25	120	90	12	1,5	8,9
	50	2125	580	150	70	25	94	123	22	25	135	102	12	1,5	12,8
	55	2625	550	160	75	32	104	138	25	30	142	108	15	2,0	16,2
	60	3500	530	170	80	32	114	147	25	30	145	112	15	2,0	19,3
	70	5750	500	190	90	38	134	168	30	35	175	135	16	2,5	23,5
	80	8500	480	210	105	38	144	178	30	35	185	145	16	2,5	32
	90	14500	420	230	120	50	158	192	40	45	205	155	16	3,0	47,2
	100	20000	310	270	140	50	182	217	40	45	230	180	16	3,0	76
	130	31250	220	310	160	68	212	250	55	60	268	205	18	3,0	110
	150	70000	170	400	200	68	246	286	55	60	325	255	20	4,0	214

NOTES

1) $T_{max} = 2 \times T_{KN}$
» Refer to Selection page 7 to 11

2) Inner race overruns
Keyway to DIN 6885.1

When ordered assembled, please specify 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