



Type NFR is a bearing supported roller type freewheel without any sealing. Lubrication and sealing must be provided by the installation. Standard lubrication is oil. Size 8 to 20 units use steel on steel bearing support from the inner race. Above size 25, two 160.. series ball bearings are used, giving a higher overrunning speed capacity. A typical arrangement is shown overleaf. The inner race is keyed to the shaft. The outer race has a positive n6 tolerance to give a press fit in a housing to H7. Additional side notches provide for positive torque transmission. The housing must be strong enough to not expand after assembly.

Type	Model Number	Torque (Nm)	Overrunning speeds(Nm)		Bearing	Diameter(mm)										Weight [kg]
			ni	na		d	Dn6	D2	D4	L	l	t	bH11	r	r1	
NFR (ANR- ANG)	NFR8	20	1000	1000	*	8	37	20	30	20		3	6	1	1.5	0.1
	NFR12	20	1000	1000	*	12	37	20	30	20		3	6	1	1.5	0.1
	NFR15	78	850	850	*	15	47	26	37	30		3.5	7	1.5	1.5	0.3
	NFR20	188	650	650	*	20	62	37	52	36		3.5	8	2	2	0.6
	NFR25	250	2100	3600	16008**	25	80	40	68	40	0.2	4	9	2.5	2	1.2
	NFR30	500	1700	3200	16009**	30	90	45	75	48	0.2	5	12	2.5	2	1.8
	NFR35	663	1550	3000	16010**	35	100	50	80	53	1.2	6	13	2.5	2.5	2.4
	NFR40	1100	1150	2600	16011**	40	110	55	90	63	2.2	7	15	3	2.5	3.3
	NFR45	1500	1000	2400	16012**	45	120	60	95	63	2.2	7	16	3	2.5	4
	NFR50	2375	800	2150	16014**	50	130	70	110	80	2.7	8.5	17	3.5	3	5.7
	NFR55	2550	750	2000	16015**	55	140	75	115	80	4.2	9	18	3.5	3	6.5
	NFR60	4250	650	1900	16016**	60	150	80	125	95	3.2	9	18	3.5	3.5	8.9

NFR70	5875	550	1750	16018**	70	170	90	140	110	1.1	9	20	3.5	3.5	13.5
NFR80	10000	500	1600	16021**	80	190	105	160	125	0	9	20	4	3.5	19
NFR90	17250	450	1450	16024**	90	215	120	180	140	0.6	11.5	24	4	4	27.2
NFR100	19625	350	1250	16028**	100	260	140	210	150	2.6	14.5	28	4	4	44.5
NFR130	34750	250	1000	16032**	130	300	160	240	180	2	17.5	32	5	5	68