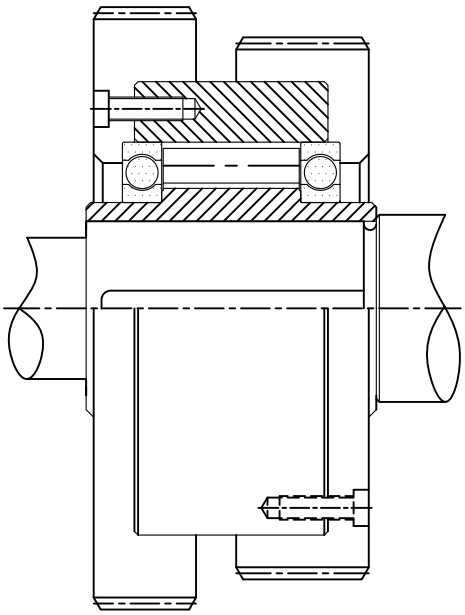
NR

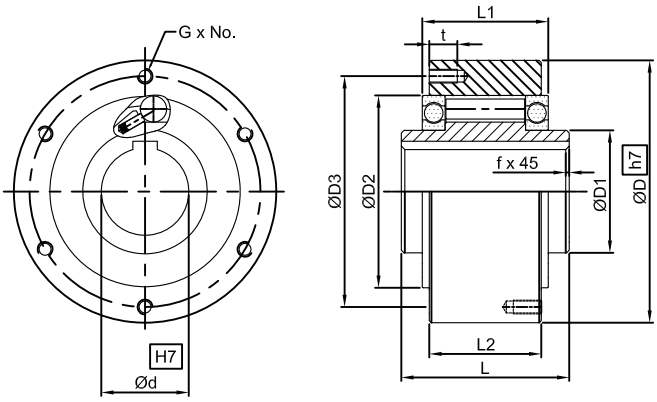
NRK

◆ Features :

- Trapped rollers Freewheels NR, NRK model are Self-centering by means of pairs of ball bearing supported.
- Requires Oil lubrication
- This models are open design so sealing must be provided for the installation.
- Component mounted onto the outside diameter of Outer race should be bored to H7 tolerance & Shaft tolerance must be h6.
- NRK model has keyway on the outer side diameter to transmit torque.
- This models are also supplied with C series covers that are designed to transmit torque, provide oil lubrication & sealing. Generally these covers are used in pairs according to Combination which is shown in the following pages.
- Bore range : up to 150 mm
- Transmitting torque : 70000 Nm

◆ Mounting Example:





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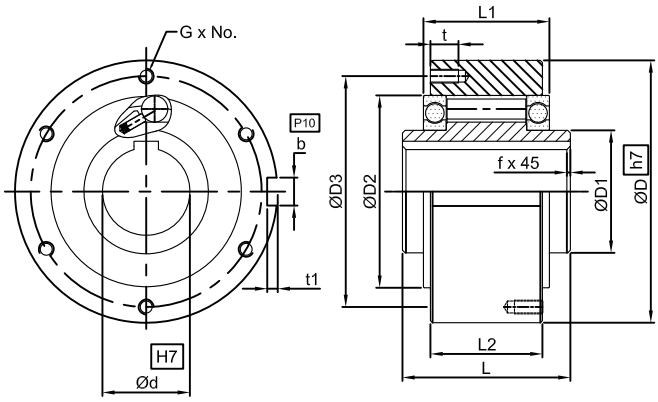

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d (H7) mm	Max. Torque Nm	Max. Overrunning Inner RPM	Max. Overrunning Outer RPM	D (h7) mm	D3 mm	D2 mm	D1 mm	L mm	L2 mm	L1 mm	t mm	t1 mm	b^{p10} mm	G x No.	f mm	Weight kg
12	55	4000	7200	62	51	42	20	42	20	27	-	2.5	4	Ø5.5 x 3	0.5	0.5
15	125	3600	6500	68	56	47	25	52	28	32	8	3	5	M5 x 3	0.8	0.8
20	181	2700	5600	75	64	55	30	57	34	39	8	3.5	6	M5 x 4	0.8	1
25	288	2100	4500	90	78	68	40	60	35	40	10	4	8	M6 x 4	1	1.5
30	500	1700	4100	100	87	75	45	68	43	48	10	4	8	M6 x 6	1	2.2
35	725	1550	3800	110	96	80	50	74	45	51	12	5	10	M6 x 6	1	3
40	1025	1150	3400	125	108	90	55	86	53	59	14	5	12	M8 x 6	1.5	4.6
45	1125	1000	3200	130	112	95	60	86	53	59	14	5.5	14	M8 x 8	1.5	4.7
50	2125	800	2800	150	132	110	70	94	64	72	14	5.5	14	M8 x 8	1.5	7.2
55	2625	750	2650	160	138	115	75	104	66	72	16	6	16	M10 x 8	2	8.6
60	3500	650	2450	170	150	125	80	114	78	89	16	7	18	M10 x 10	2	10.5
70	5750	550	2150	190	165	140	90	134	95	108	16	7.5	20	M10 x 10	2.5	13.5
80	8500	500	1900	210	185	160	105	144	100	108	16	9	22	M10 x 10	2.5	18.2
90	14500	450	1700	230	206	180	120	158	115	125	20	9	25	M12 x 10	3	28.5
100	20000	350	1450	270	240	210	140	182	120	131	24	10	28	M16 x 10	3	42.5
130	31250	250	1250	310	278	240	160	212	152	168	24	11	32	M16 x 12	3	65
150	70000	200	980	400	360	310	200	246	180	194	32	12	36	M20 x 12	4	138

Notes :

1) Function : Overrunning, Backstopping, Indexing
2) Tmax = 2 x Tn.
3) The maximum Overrunning speeds are for Oil lubrication only.
4) Shaft dia. is to be controlled within h6/j6.
5) Keyway as per DIN 6885 - 1.
6) Other sizes on request.
7) All dimensions are in m.m.
8) We manufacturing in inch series also.

Ordering Example :

- When ordering please specify bore dia.
- **NR 50 - 50**

Dimensions/Design subject to modifications without any prior intimation.