

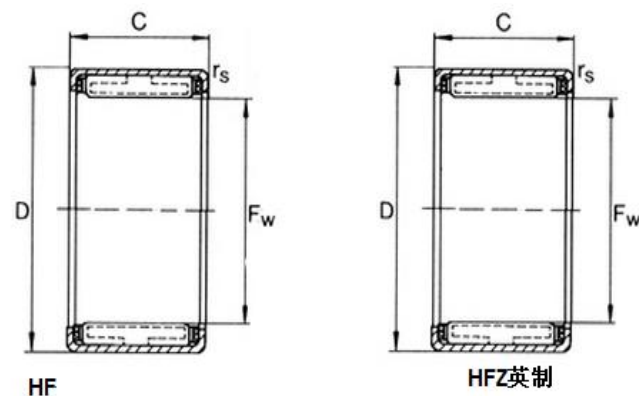
Needle roller bearings , relative to its diameter, roller both thin and long. This is called needle roller. Despite having a smaller cross-section, it has a higher load bearing capacity, equipped with a thin and long needle bearing roller, so the radial structure is compact, its diameter size and load capacity and other types of bearings, the outer diameter minimum, especially for radial mounting dimensions restricted support structure.

Needle roller bearings are single or double row units comprising machined outer rings with ribs, needle roller and cage assemblies and removable inner rings. The bearings are available in open and sealed versions.

needle bearings have cylindrical roller,which are thin and long relatively to its diameter

Despiter the smaller cross-section,the bearings still have a high load bearing capacity.

One way clutch needle roller bearing



Motion(shanghai)Industrial Development Co.,Ltd

Shaft Diameter	Bearing Designation	Boundary Dimensions			Rotation torque	Limiting Speed		Basic Load Ratings		Weight (g)
		F _w	D	C		n	nl	C	Co	
mm		mm			Nm	rpm				
4	HF0406	4	8	6	0.34	34000	14000	—	—	—
6	HF0612	6	10	12	1.76	23000	13000	—	—	—
8	HF0812	8	12	12	3.15	17000	12000	—	—	—
10	HF1012	10	14	12	5.3	14000	11000	—	—	—

12	HF1216	12	18	16	12.2	11000	8000	–	–	–
14	HF1416	14	20	16	17.3	9500	8000	–	–	–
16	HF1612	16	22	16	20.5	8500	7500	–	–	–
18	HF1816	18	24	16	24.1	7500	7500	–	–	–
20	HF2016	20	26	16	28.5	7000	6500	–	–	–
25	HF2520	25	32	20	66	5500	5500	–	–	–
30	HF3020	30	37	20	90	4500	4500	–	–	–
35	HF3520	35	42	20	121	3900	3900	–	–	–
1/4	HFZ040708	6.35	11.113	12.7	18.6	21000	12000	–	–	–
3/8	HFZ061008	9.525	15.875	12.7	50.4	14000	12000	–	–	–
1/2	HFZ081208	12.7	19.05	12.7	85.9	11000	9000	–	–	–
5/8	HFZ101410	15.875	22.225	15.88	175.2	8500	5000	–	–	–
3/4	HFZ121610	19.05	25.4	15.88	247.8	7000	4400	–	–	–
4	HFL0408	4	8	8	0.34	34000	14000	1270	1740	–
6	HFL0615	6	10	15	1.76	23000	13000	1650	2030	–
8	HFL0822	8	12	2	3.15	17000	12000	4050	4150	–
10	HFL1022	10	14	22	5.3	14000	11000	4300	4650	–
12	HFL1226	12	18	26	12.2	11000	8000	6300	6500	–
14	HFL1426	14	20	26	17.3	9500	8000	6300	6500	–
16	HFL1626	16	22	26	20.5	8500	7500	7300	8400	–
18	HFL1826	18	24	26	24.1	7500	7500	8200	10300	–
20	HFL2026	20	26	26	28.5	7000	6500	8300	10400	–
25	HFL2530	25	32	30	66	5500	5500	10900	14100	–
30	HFL3030	30	37	30	90	4500	4500	12600	17600	–
35	HFL3530	35	42	30	121	3900	3900	13000	19300	–
3/8	HFLZ061014	9.525	15.875	22.22	50.4	14000	12000	1315	1240	–
1/2	HFLZ081214	12.7	19.05	22.22	85.9	11000	9000	1720	1550	–
5/8	HFLZ101416	15.875	22.225	25.4	175.2	8500	5000	1720	1890	–
4	EWCO406	4	8	8.4	0.08	–	–	–	–	1.2
4	1WC0406	4	8	8.4	0.15	–	–	–	–	1.5
6	EWCO608	6	10	10.4	0.25	–	–	–	–	2.2
6	1WC0608	6	10	10.4	0.44	–	–	–	–	2.5

6	1WC0612	6	10	10.4	0.88	–	–	–	–	3
8	EWC0809	8	12	12.4	0.49	–	–	–	–	2.5
8	1WC0809	8	12	12.4	0.88	–	–	–	–	3
8	EWC0812	8	14.2	15	1.18	–	–	–	–	5.5
8	1WC0812	8	14.2	15	1.96	–	–	–	–	6
8	1WC0815	8	14.2	15	2.65	–	–	–	–	8
10	EWC1010	10	16	17	1.18	–	–	–	–	8
10	1WC1010	10	16	17	1.96	–	–	–	–	9
10	EWC1012	10	16	17	1.37	–	–	–	–	10
10	1WC1012	10	16	17	2.35	–	–	–	–	11
12	EWC1209	12	18	19	3.04	–	–	–	–	10
12	EWC1216	12	18	19	6.28	–	–	–	–	12

www.motnbearing.com