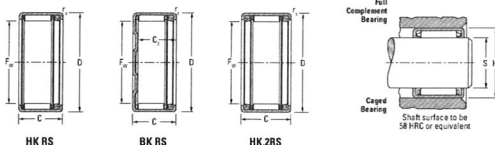


NEEDLE ROLLER BEARINGS

DRAWN CUP NEEDLE ROLLER BEARINGS SEALED

METRIC SERIES
HK RS, BK RS,
HK 2RS SERIES



Shaft Dia. mm	F _d mm	D mm	C		Grease	Seal	Bearing Designation	Load Ratings		Fatigue Load Limit C ₁₀	Speed Rating min ⁻¹	Mounting Dimensions				Mounting torque N·m	
			mm	mm				Dynamic C	Static C ₀			mm	mm	mm	mm		
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
8	8	12	10	—	0.4	—	HK 812 RS	2.50	2.73	0.400	2000	0.006	8.00	7.96	11.91	11.90	Table B2-2
0.3150	0.3150	0.4724	0.394	—	0.016	—	—	650	610	0.400	2000	0.006	8.00	7.96	11.91	11.90	Table B2-2
10	10	14	12	—	0.4	—	HK 1014 RS	4.78	5.51	0.840	1900	0.006	10.00	9.96	13.91	13.90	Table B2-2
0.3937	0.3937	0.5512	0.472	—	0.016	—	—	1070	1240	0.840	1900	0.006	10.00	9.96	13.91	13.90	Table B2-2
12	12	16	14	—	1	—	HK 1216 RS	6.61	7.29	1.10	1800	0.012	12.00	11.96	17.91	17.90	Table B2-2
0.4724	0.4724	0.7087	0.551	—	0.039	—	—	1430	1640	1.10	1800	0.012	12.00	11.96	17.91	17.90	Table B2-2
12	12	18	16	—	1	—	HK 1218 RS	6.61	7.29	1.15	1800	0.012	12.00	11.96	17.91	17.90	Table B2-2
0.4724	0.4724	0.7087	0.551	—	0.039	—	—	1430	1640	1.15	1800	0.012	12.00	11.96	17.91	17.90	Table B2-2
14	14	20	16	—	1	—	HK 1420 RS	7.17	8.41	1.30	1800	0.014	14.00	13.96	19.91	19.90	Table B2-2
0.5512	0.5512	0.7874	0.551	0.467	0.039	—	—	1540	1750	1.30	1800	0.014	14.00	13.96	19.91	19.90	Table B2-2
14	14	22	16	—	1	—	HK 1422 RS	7.17	8.41	1.30	1800	0.014	14.00	13.96	19.91	19.90	Table B2-2
0.5512	0.5512	0.7874	0.551	—	0.039	—	—	1540	1750	1.30	1800	0.014	14.00	13.96	19.91	19.90	Table B2-2
15	15	21	14	—	1	—	HK 1521 RS	7.87	9.69	1.45	1300	0.017	15.00	14.96	20.96	20.95	Table B2-2
0.5906	0.5906	0.8508	0.551	0.485	0.039	—	—	1770	2190	1.45	1300	0.017	15.00	14.96	20.96	20.95	Table B2-2
15	15	21	16	—	1	—	HK 1521 RS	7.87	9.69	1.45	1300	0.017	15.00	14.96	20.96	20.95	Table B2-2
0.5906	0.5906	0.8508	0.551	—	0.039	—	—	1770	2190	1.45	1300	0.017	15.00	14.96	20.96	20.95	Table B2-2
16	16	22	14	—	1	—	HK 1622 RS	7.87	9.69	1.45	1300	0.017	15.00	14.96	20.96	20.95	Table B2-2
0.6250	0.6250	0.8601	0.551	—	0.039	—	—	1770	2190	1.45	1300	0.017	15.00	14.96	20.96	20.95	Table B2-2
16	16	22	16	—	1	—	HK 1622 RS	7.87	9.69	1.45	1300	0.017	15.00	14.96	20.96	20.95	Table B2-2
0.6250	0.6250	0.8601	0.551	—	0.039	—	—	1770	2190	1.45	1300	0.017	15.00	14.96	20.96	20.95	Table B2-2
18	18	24	14	—	1	—	HK 1824 RS	8.41	11.10	1.70	1100	0.018	18.00	17.96	23.96	23.95	Table B2-2
0.7087	0.7087	0.9445	0.551	—	0.039	—	—	1990	2500	1.70	1100	0.018	18.00	17.96	23.96	23.95	Table B2-2
18	18	24	16	—	1	—	HK 1824 RS	8.41	11.10	1.70	1100	0.018	18.00	17.96	23.96	23.95	Table B2-2
0.7087	0.7087	0.9445	0.551	—	0.039	—	—	1990	2500	1.70	1100	0.018	18.00	17.96	23.96	23.95	Table B2-2
20	20	26	16	—	1	—	HK 2026 RS	8.97	12.50	1.90	900	0.022	20.00	19.96	25.96	25.95	Table B2-2
0.7874	0.7874	1.0236	0.630	—	0.039	—	—	2020	2610	1.90	900	0.022	20.00	19.96	25.96	25.95	Table B2-2
20	20	26	18	—	1	—	HK 2026 RS	12.40	18.90	2.85	900	0.025	20.00	19.96	25.96	25.95	Table B2-2
0.7874	0.7874	1.0236	0.787	—	0.039	—	—	2790	4290	2.85	900	0.025	20.00	19.96	25.96	25.95	Table B2-2
20	20	26	20	—	1	—	HK 2026 RS	12.40	18.90	2.85	900	0.025	20.00	19.96	25.96	25.95	Table B2-2
0.7874	0.7874	1.0236	0.787	—	0.039	—	—	2790	4290	2.85	900	0.025	20.00	19.96	25.96	25.95	Table B2-2

Drawn Cup Needle Roller Bearings

Shaft Dia. mm		F _d mm	C		Grease	Seal	Bearing Designation	Load Ratings		Fatigue Load Limit C ₁₀	Speed Rating min ⁻¹	Mounting Dimensions				Mounting torque N·m	
			mm	mm				Dynamic C	Static C ₀			mm	mm	mm	mm		
3-3-2012																	
22	22	28	16	—	1	—	HK 2216 RS	9.81	14.50	2.20	880	0.025	22.00	21.99	27.96	23.16	Table
0.8661	0.8661	1.1024	0.630	—	0.039	—	—	2210	3200	2.20	880	0.025	22.00	21.99	27.96	23.16	Table
22	22	28	18	—	1	—	HK 2218 RS	13.10	20.90	3.20	880	0.030	22.00	21.99	27.96	23.16	Table
0.8661	0.8661	1.1024	0.787	—	0.039	—	—	2990	4700	3.20	880	0.030	22.00	21.99	27.96	23.16	Table
22	22	28	20	—	1	—	HK 2220 RS	13.10	20.90	3.20	880	0.030	22.00	21.99	27.96	23.16	Table
0.8661	0.8661	1.1024	0.787	—	0.039	—	—	2990	4700	3.20	880	0.030	22.00	21.99	27.96	23.16	Table
25	25	32	16	—	1	—	HK 2516 RS	11.10	15.10	2.30	780	0.026	25.00	24.99	31.92	28.26	Table
0.9843	0.9843	1.2598	0.630	—	0.039	—	—	2500	3500	2.30	780	0.026	25.00	24.99	31.92	28.26	Table
25	25	32	18	—	1	—	HK 2518 RS	15.6	24.60	3.80	780	0.034	25.00	24.99	31.92	28.26	Table
0.9843	0.9843	1.2598	0.787	—	0.039	—	—	3640	5530	3.80	780	0.034	25.00	24.99	31.92	28.26	Table
25	25	32	20	—	1	—	HK 2520 RS	15.6	24.60	3.80	780	0.034	25.00	24.99	31.92	28.26	Table
0.9843	0.9843	1.2598	0.787	—	0.039	—	—	3640	5530	3.80	780	0.034	25.00	24.99	31.92	28.26	Table
25	25	32	22	—	1	—	HK 2522 RS	20.60	33.40	5.30	780	0.042	25.00	24.99	31.92	28.26	Table
0.9843	0.9843	1.2598	0.866	—	0.039	—	—	4630	7510	5.30	780	0.042	25.00	24.99	31.92	28.26	Table
25	25	32	24	—	1	—	HK 2524 RS	20.60	33.40	5.30	780	0.042	25.00	24.99	31.92	28.26	Table
0.9843	0.9843	1.2598	0.866	—	0.039	—	—	4630	7510	5.30	780	0.042	25.00	24.99	31.92	28.26	Table
28	28	36	20	—	1	—	HK 2820 RS	15.9	24.9	3.85	690	0.042	28.00	27.99	34.92	31.72	Table
1.1024	1.1024	1.3780	0.787	—	0.039	—	—	3570	5600	3.85	690	0.042	28.00	27.99	34.92	31.72	Table
30	30	37	16	—	1	—	HK 3016 RS	11.6	16.8	2.55	650	0.030	30.00	29.99	36.92	33.72	Table
1.1811	1.1811	1.4867	0.63	—	0.039	—	—	2810	3780	2.55	650	0.030	30.00	29.99	36.92	33.72	Table
30	30	37	18	—	1	—	HK 3018 RS	16.8	27.3	4.20	650	0.042	30.00	29.99	36.92	33.72	Table
1.1811	1.1811	1.4867	0.787	—	0.039	—	—	3780	6140	4.20	650	0.042	30.00	29.99	36.92	33.72	Table
30	30	37	20	—	1	—	HK 3020 RS	16.8	27.3	4.20	650	0.042	30.00	29.99	36.92	33.72	Table
1.1811	1.1811	1.4867	0.787	—	0.039	—	—	3780	6140	4.20	650	0.042	30.00	29.99	36.92	33.72	Table
30	30	37	22	—	1	—	HK 3022 RS	22.4	38.6	6.25	650	0.050	30.00	29.99	36.92	33.72	Table
1.1811	1.1811	1.4867	0.866	—	0.039	—	—	5040	8900	6.25	650	0.050	30.00	29.99	36.92	33.72	Table
30	30	37	24	—	1	—	HK 3024 RS	22.4	38.6	6.25	650	0.050	30.00	29.99	36.92	33.72	Table
1.1811	1.1811	1.4867	0.866	—	0.039	—	—	5040	8900	6.25	650	0.050	30.00	29.99	36.92	33.72	Table
35	35	42	16	—	1	—	HK 3516 RS	13.4	21.4	3.25	550	0.047	35.00	34.99	41.92	38.72	Table
1.3780	1.3780	1.6535	0.630	—	0.039	—	—	3010	4810	3.25	550	0.047	35.00	34.99	41.92	38.72	Table
35	35	42	18	—	1	—	HK 3518 RS	17.4	29.9	4.60	550	0.054	35.00	34.99	41.92	38.72	Table
1.3780	1.3780	1.6535	0.787	—	0.039	—	—	3810	6720	4.60	550	0.054	35.00	34.99	41.92	38.72	Table
35	35	42	20	—	1	—	HK 3520 RS	17.4	29.9	4.60	550	0.054	35.00	34.99	41.92	38.72	Table
1.3780	1.3780	1.6535	0.787	—	0.039	—	—	3810	6720	4.60	550	0.054	35.00	34.99	41.92	38.72	Table
40	40	47	16	—	1	—	HK 4016 RS	13.4	22.4	3.40	450	0.032	40.00	39.99	46.92	43.72	Table
1.5748	1.5748	1.8504	0.630	—	0.039	—	—	3010	5040	3.40	450	0.032	40.00	39.99	46.92	43.72	Table
40	40	47	18	—	1	—	HK 4018 RS	18.5	34.8	5.25	450	0.052	40.00	39.99	46.92	43.72	Table
1.5748	1.5748	1.8504	0.787	—	0.039	—	—	4200	7820	5.25	450	0.052	40.00	39.99	46.92	43.72	Table
40	40	47	20	—	1	—	HK 4020 RS	18.5	34.8	5.25	450	0.052	40.00	39.99	46.92	43.72	Table
1.5748	1.5748	1.8504	0.787	—	0.039	—	—	4200	7820	5.25	450	0.052	40.00	39.99	46.92	43.72	Table
45	45	52	18	—	1	—	HK 4518 RS	19.8	38.5	5.25	430	0.054	45.00	44.99	51.96	48.72	Table
1.7717	1.7717	2.0472	0.787	—	0.039	—	—	4850	8550	5.25	430	0.054	45.00	44.99	51.96	48.72	Table
45	45	52	20	—	1	—	HK 4520 RS	19.8	38.5	5.25	430	0.055	45.00	44.99	51.96	48.72	Table
1.7717	1.7717	2.0472	0.866	—	0.039	—	—	4850	8550	5.25	430	0.055	45.00	44.99	51.96	48.72	Table
50	50	58	22	—	1	—	HK 5022 RS	28.6	56.6	8.00	350	0.070	50.00	49.98	57.96	54.72	Table
1.9891	1.9891	2.2656	0.866	—	0.039	—	—	6000	10000	8.00	350	0.070	50.00	49.98	57.96	54.72	Table
50	50	58	24	—	1	—	HK 5024 RS	28.6	56.6	8.00	350	0.083	50.00	49.98	57.96	54.72	Table
1.9891	1.9891	2.2656	0.866	—	0.039	—	—	6000	10000	8.00	350	0.083	50.00	49.98	57.96	54.72	Table