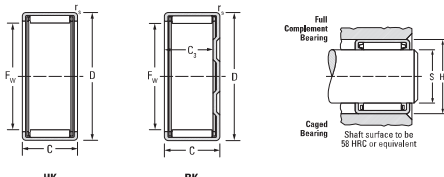


NEEDLE ROLLER BEARINGS

DRAWN CUP NEEDLE ROLLER BEARINGS
CAGED,
OPEN ENDS,
CLOSED ONE END

METRIC SERIES
HK, BK SERIES



Shaft Dia.	F _w	D	C		C ₂ min.	r _s max.	Bearing Designation	Load Ratings			Speed Ratings	Mounting Dimensions	Mounting inner ring (pages B-238 to B-239)						
			Open Ends	Closed One End				Dynamic	Static	Fatigue Load Limit				Grease	Oil	Approx. Wt.	Shaft (N5)	Housing (N6)	Inspection (p)
mm	in	mm	mm	mm	mm	mm		kN	kN	mm ²	kg	mm	mm	mm	mm	mm			
3	0.1181	3	6.5	6	5.29	0.30	HK0306	1.20	0.78	1.30	3000	4600	0.001	3.000	2.996	6.493	6.484	Table B-2	
3	0.1181	3	6.5	6	5.29	0.30	HK0306	1.20	0.78	1.30	3000	4600	0.001	3.000	2.996	6.493	6.484	Table B-2	
4	0.1575	4	8	8	6.49	0.40	HK0408	1.88	1.38	310	2000	3500	0.002	4.000	3.995	7.295	7.284	Table B-2	
4	0.1575	4	8	8	6.49	0.40	HK0408	1.88	1.38	310	2000	3500	0.002	4.000	3.995	7.295	7.284	Table B-2	
5	0.1969	5	9	9	7.49	0.40	HK0509	2.52	2.07	470	0.320	2300	3600	0.002	5.000	4.995	8.293	8.284	Table B-2
5	0.1969	5	9	9	7.49	0.40	HK0509	2.52	2.07	470	0.320	2300	3600	0.002	5.000	4.995	8.293	8.284	Table B-2
6	0.2362	6	10	8	6.49	0.40	HK0608	2.34	1.35	440	0.250	2200	3300	0.002	6.000	5.995	8.293	8.284	Table B-2
6	0.2362	6	10	8	6.49	0.40	HK0608	2.34	1.35	440	0.250	2200	3300	0.002	6.000	5.995	8.293	8.284	Table B-2
6	0.2362	6	10	9	7.49	0.40	HK0609	3.14	2.85	640	0.250	2200	3300	0.003	6.000	5.995	8.293	8.284	Table B-2
6	0.2362	6	10	9	7.49	0.40	HK0609	3.14	2.85	640	0.250	2200	3300	0.003	6.000	5.995	8.293	8.284	Table B-2
7	0.2756	7	11	9	7.49	0.40	HK0709	3.23	3.05	690	0.470	2100	2200	0.003	7.000	6.994	10.991	10.980	Table B-2
7	0.2756	7	11	9	7.49	0.40	HK0709	3.23	3.05	690	0.470	2100	2200	0.003	7.000	6.994	10.991	10.980	Table B-2
8	0.3150	8	12	8	6.49	0.40	HK0808	2.90	2.73	510	0.400	2000	3100	0.003	8.000	7.994	11.991	11.980	Table B-2
8	0.3150	8	12	8	6.49	0.40	HK0808	2.90	2.73	510	0.400	2000	3100	0.003	8.000	7.994	11.991	11.980	Table B-2
8	0.3150	8	12	10	8.49	0.40	HK0810	3.95	4.07	950	0.600	2000	3100	0.004	8.000	7.994	11.991	11.980	Table B-2
8	0.3150	8	12	10	8.49	0.40	HK0810	3.95	4.07	950	0.600	2000	3100	0.004	8.000	7.994	11.991	11.980	Table B-2
9	0.3543	9	13	10	8.49	0.40	HK0910	4.57	5.07	1140	0.700	1500	3000	0.004	9.000	8.994	12.991	12.980	Table B-2

(1) Drawn cup needle roller bearings with two needle roller and cage assemblies and one lubricating hole.

Drawn Cup Needle Roller Bearings

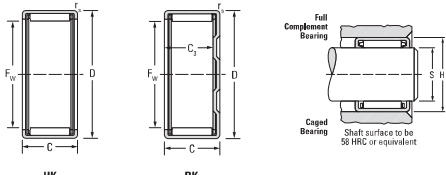
Shaft Dia.	F _w	D	C		C ₂ min.	r _s max.	Bearing Designation	Load Ratings		Speed Ratings	Mounting Dimensions	Mounting inner ring (pages B-238 to B-239)								
			Open Ends	Closed One End				Dynamic	Static				Fatigue Load Limit	Grease	Oil	Approx. Wt.	Shaft (N5)	Housing (N6)	Inspection (p)	
mm	in	mm	mm	mm	mm	mm		kN	kN	mm ²	kg	mm	mm	mm	mm	mm				
9	0.3543	9	13	10	8.49	0.40	HK0910	—	4.57	5.07	1140	1900	3000	0.004	9.000	8.994	12.991	12.980	Table B-2	
9	0.3543	9	13	12	10.49	0.40	HK0912	—	5.65	6.65	1490	1900	3000	0.005	9.000	8.994	12.991	12.980	Table B-2	
9	0.3543	9	13	12	10.49	0.40	HK0912	—	5.65	6.65	1490	1900	3000	0.005	9.000	8.994	12.991	12.980	Table B-2	
10	0.3937	10	14	10	8.49	0.40	HK1010	—	4.78	5.51	1240	0.840	1900	2900	0.004	10.000	9.994	13.991	13.980	Table B-2
10	0.3937	10	14	10	8.49	0.40	HK1010	—	4.78	5.51	1240	0.840	1900	2900	0.004	10.000	9.994	13.991	13.980	Table B-2
10	0.3937	10	14	12	10.49	0.40	HK1012	—	5.90	7.23	1630	1.10	1900	2900	0.006	10.000	9.994	13.991	13.980	Table B-2
10	0.3937	10	14	12	10.49	0.40	HK1012	—	5.90	7.23	1630	1.10	1900	2900	0.006	10.000	9.994	13.991	13.980	Table B-2
10	0.3937	10	14	15	13.49	0.40	HK1015	—	7.49	9.81	2210	1.50	1900	2900	0.006	10.000	9.994	13.991	13.980	Table B-2
10	0.3937	10	14	15	13.49	0.40	HK1015	—	7.49	9.81	2210	1.50	1900	2900	0.006	10.000	9.994	13.991	13.980	Table B-2
12	0.4724	12	16	10	8.49	0.40	HK1210	—	5.24	6.55	1470	0.890	1800	2800	0.006	12.000	11.992	15.991	15.980	Table B-2
12	0.4724	12	16	10	8.49	0.40	HK1210	—	5.24	6.55	1470	0.890	1800	2800	0.006	12.000	11.992	15.991	15.980	Table B-2
12	0.4724	12	18	12	9.26	1	HK1212	—	6.61	7.29	1640	1.10	1400	2200	0.012	12.000	11.992	17.991	17.980	Table B-2
12	0.4724	12	18	12	9.26	1	HK1212	—	6.61	7.29	1640	1.10	1400	2200	0.012	12.000	11.992	17.991	17.980	Table B-2
13	0.5118	13	19	12	9.26	1	HK1312	—	6.92	7.89	1770	1.20	1400	2200	0.012	13.000	12.992	18.991	18.975	Table B-2
13	0.5118	13	19	12	9.26	1	HK1312	—	6.92	7.89	1770	1.20	1400	2200	0.012	13.000	12.992	18.991	18.975	Table B-2
14	0.5512	14	20	12	9.26	1	HK1412	—	7.21	8.50	1910	1.30	1400	2100	0.014	14.000	13.992	19.991	19.975	Table B-2
14	0.5512	14	20	12	9.26	1	HK1412	—	7.21	8.50	1910	1.30	1400	2100	0.014	14.000	13.992	19.991	19.975	Table B-2
15	0.5906	15	21	12	9.26	1	HK1512	—	7.49	9.11	2050	1.40	1400	2100	0.015	15.000	14.992	20.991	20.975	Table B-2
15	0.5906	15	21	12	9.26	1	HK1512	—	7.49	9.11	2050	1.40	1400	2100	0.015	15.000	14.992	20.991	20.975	Table B-2
15	0.5906	15	21	16	13.26	1	HK1516	—	10.7	14.4	2240	2.20	1400	2100	0.019	15.000	14.992	20.991	20.975	Table B-2
15	0.5906	15	21	16	13.26	1	HK1516	—	10.7	14.4	2240	2.20	1400	2100	0.019	15.000	14.992	20.991	20.975	Table B-2
15	0.5906	15	21	22	15.26	1	HK1522 ⁽¹⁾	—	13.5	19.4	4360	2.95	1400	2100	0.022	15.000	14.992	20.991	20.975	Table B-2
15	0.5906	15	21	22	15.26	1	HK1522 ⁽¹⁾	—	13.5	19.4	4360	2.95	1400	2100	0.022	15.000	14.992	20.991	20.975	Table B-2
16	0.6299	16	22	12	9.26	1	HK1612	—	7.76	9.72	2160	1.50	1400	2100	0.016	16.000	15.992	21.991	21.975	Table B-2

Continued on next page.

NEEDLE ROLLER BEARINGS

DRAWN CUP NEEDLE ROLLER BEARINGS
CAGED,
OPEN ENDS,
CLOSED ONE END

METRIC SERIES
HK, BK SERIES



Shaft Dia.	F _w	D	C		C ₂ min.	r _s max.	Bearing Designation	Load Ratings			Speed Ratings	Approx. Wt.	Mounting Dimensions				Mounting inner ring (pages B-238 to B-239)			
			Dynamic	Static				Fatigue Load Limit C ₁₀	C	C ₂			Shaft (h5)	Housing (H6)	Inspection (g)	Inspection (g)				
mm	mm	mm	mm	mm	mm	mm	Open Ends	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
16 0.6299	0.6299	22	12	0.472	—	1	0.029	HK1612	7.76	9.72	1.50	14000	21000	0.012	16.000	15.992	21.989	21.976	Table B-2	JR12x16x12
16 0.6299	0.6299	22	16	0.524	13.30	1	0.029	HK1616	11.1	15.3	2.35	14000	21000	0.02	16.000	15.992	21.989	21.976	Table B-2	JR12x16x16
16 0.6299	0.6299	22	16	—	—	1	0.029	HK1616	11.1	15.3	2.35	14000	21000	0.016	16.000	15.992	21.989	21.976	Table B-2	JR12x16x16
16 0.6299	0.6299	22	22	0.629	19.30	1	0.029	HK1622 ⁽¹⁾	13.4	19.5	2.35	14000	21000	0.028	16.000	15.992	21.989	21.976	Table B-2	JR12x16x22
16 0.6299	0.6299	22	22	0.866	—	1	0.029	HK1622 ⁽¹⁾	13.4	19.5	2.35	14000	21000	0.022	16.000	15.992	21.989	21.976	Table B-2	JR12x16x22
17 0.6693	0.6693	23	12	0.472	9.30	1	0.029	HK1712	8.12	10.4	1.60	13000	20000	0.018	17.000	16.992	22.989	22.976	Table B-2	JR12x17x12
17 0.6693	0.6693	23	12	—	—	1	0.029	HK1712	8.12	10.4	1.60	13000	20000	0.013	17.000	16.992	22.989	22.976	Table B-2	JR12x17x12
18 0.7087	0.7087	24	12	0.472	9.30	1	0.029	HK1812	8.41	11.1	1.70	12000	18000	0.017	18.000	17.992	23.989	23.976	Table B-2	JR12x18x12
18 0.7087	0.7087	24	12	—	—	1	0.029	HK1812	8.41	11.1	1.70	12000	18000	0.015	18.000	17.992	23.989	23.976	Table B-2	JR12x18x12
18 0.7087	0.7087	24	16	0.524	13.30	1	0.029	HK1816	11.6	16.8	2.55	12000	18000	0.022	18.000	17.992	23.989	23.976	Table B-2	JR15x18x16,5
18 0.7087	0.7087	24	16	—	—	1	0.029	HK1816	11.6	16.8	2.55	12000	18000	0.018	18.000	17.992	23.989	23.976	Table B-2	JR15x18x16,5
20 0.7874	0.7874	26	12	0.472	9.3	1	0.029	BK2012	8.97	12.5	1.50	11000	16000	0.017	20.000	19.991	25.989	25.976	Table B-2	JR15x20x12
20 0.7874	0.7874	26	12	—	—	1	0.029	BK2012	8.97	12.5	1.50	11000	16000	0.015	20.000	19.991	25.989	25.976	Table B-2	JR15x20x12
20 0.7874	0.7874	26	16	0.524	13.3	1	0.029	BK2016	12.4	18.9	2.45	11000	16000	0.024	20.000	19.991	25.989	25.976	Table B-2	JR17x20x16,5
20 0.7874	0.7874	26	16	—	—	1	0.029	BK2016	12.4	18.9	2.45	11000	16000	0.022	20.000	19.991	25.989	25.976	Table B-2	JR17x20x16,5
20 0.7874	0.7874	26	20	0.681	17.3	1	0.029	BK2020	15.5	25.3	3.95	11000	16000	0.027	20.000	19.991	25.989	25.976	Table B-2	JR17x20x20,5
20 0.7874	0.7874	26	20	—	—	1	0.029	BK2020	15.5	25.3	3.95	11000	16000	0.025	20.000	19.991	25.989	25.976	Table B-2	JR17x20x20,5

(1) Drawn cup needle roller bearings with two needle roller and cage assemblies and one lubricating hole.

Drawn Cup Needle Roller Bearings

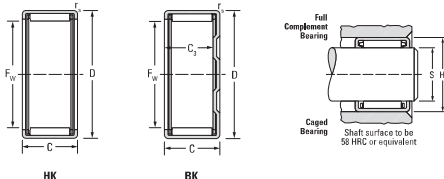
Shaft Dia.	F _w	D	C		C ₂ min.	r _s max.	Bearing Designation	Load Ratings			Speed Ratings	Approx. Wt.	Mounting Dimensions				Mounting inner ring (pages B-238 to B-239)				
			Dynamic	Static				Fatigue Load Limit C ₁₀	C	C ₂			Shaft (h5)	Housing (H6)	Inspection (g)	Inspection (g)					
mm	mm	mm	mm	mm	mm	mm	Open Ends	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm			
20 0.7874	0.7874	26	30	21.3	—	1	0.029	—	BK2030 ⁽¹⁾	21.2	37.8	5.75	11000	16000	0.043	20.000	19.991	25.989	25.976	Table B-2	JR17x20x30,5
20 0.7874	0.7874	26	30	—	—	1	0.029	—	HK2030 ⁽¹⁾	21.2	37.8	5.75	11000	16000	0.041	20.000	19.991	25.989	25.976	Table B-2	JR17x20x30,5
22 0.8661	0.8661	28	10	—	—	1	0.029	—	HK2210	7.06	9.49	1.45	9600	15000	0.013	22.000	21.991	27.989	27.976	Table B-2	JR17x22x10
22 0.8661	0.8661	28	12	0.366	—	1	0.029	—	BK2212	8.81	11.5	2.20	9600	15000	0.02	22.000	21.991	27.989	27.976	Table B-2	JR17x22x12
22 0.8661	0.8661	28	12	—	—	1	0.029	—	HK2212	8.81	11.5	2.20	9600	15000	0.015	22.000	21.991	27.989	27.976	Table B-2	JR17x22x12
22 0.8661	0.8661	28	16	0.524	—	1	0.029	—	BK2216	13.1	20.9	3.20	9600	15000	0.027	22.000	21.991	27.989	27.976	Table B-2	JR17x22x16
22 0.8661	0.8661	28	16	—	—	1	0.029	—	HK2216	13.1	20.9	3.20	9600	15000	0.022	22.000	21.991	27.989	27.976	Table B-2	JR17x22x16
22 0.8661	0.8661	28	20	0.681	—	1	0.029	—	BK2220	15.3	25.6	4.00	9600	15000	0.028	22.000	21.991	27.989	27.976	Table B-2	JR17x22x20
22 0.8661	0.8661	28	20	—	—	1	0.029	—	HK2220	15.3	25.6	4.00	9600	15000	0.025	22.000	21.991	27.989	27.976	Table B-2	JR17x22x20
25 0.9843	0.9843	32	12	0.366	9.30	1	0.029	—	BK2512	10.8	14.7	2.25	8500	13000	0.025	25.000	24.991	31.989	31.972	Table B-2	JR20x25x12
25 0.9843	0.9843	32	12	—	—	1	0.029	—	HK2512	10.8	14.7	2.25	8500	13000	0.021	25.000	24.991	31.989	31.972	Table B-2	JR20x25x12
25 0.9843	0.9843	32	16	0.524	13.3	1	0.029	—	BK2516	15.6	23.5	3.55	8500	13000	0.031	25.000	24.991	31.989	31.972	Table B-2	JR20x25x16
25 0.9843	0.9843	32	16	—	—	1	0.029	—	HK2516	15.6	23.5	3.55	8500	13000	0.028	25.000	24.991	31.989	31.972	Table B-2	JR20x25x16
25 0.9843	0.9843	32	20	0.681	17.3	1	0.029	—	BK2520	20.6	33.4	5.30	8500	13000	0.043	25.000	24.991	31.989	31.972	Table B-2	JR20x25x20
25 0.9843	0.9843	32	20	—	—	1	0.029	—	HK2520	20.6	33.4	5.30	8500	13000	0.040	25.000	24.991	31.989	31.972	Table B-2	JR20x25x20
25 0.9843	0.9843	32	26	0.839	23.3	1	0.029	—	BK2526	25.7	44.4	6.95	8500	13000	0.051	25.000	24.991	31.989	31.972	Table B-2	JR20x25x26
25 0.9843	0.9843	32	26	—	—	1	0.029	—	HK2526	25.7	44.4	6.95	8500	13000	0.048	25.000	24.991	31.989	31.972	Table B-2	JR20x25x26
25 0.9843	0.9843	32	38	1.300	35.3	1	0.029	—	BK2538 ⁽¹⁾	35.3	66.9	10.6	8500	13000	0.077	25.000	24.991	31.989	31.972	Table B-2	JR20x25x38
25 0.9843	0.9843	32	38	—	—	1	0.029	—	HK2538 ⁽¹⁾	35.3	66.9	10.6	8500	13000	0.068	25.000	24.991	31.989	31.972	Table B-2	JR20x25x38
28 1.1024	1.1024	36	16	0.630	—	1	0.029	—	HK3216	17.4	28.1	3.95	7500	12000	0.032	28.000	27.991	34.989	34.972	Table B-2	JR22x28x16
28 1.1024	1.1024	36	20	0.839	17.3	1	0.029	—	BK2820	20.9	35.3	5.00	7500	12000	0.047	28.000	27.991	34.989	34.972	Table B-2	JR22x28x20,5
28 1.1024	1.1024	36	20	—	—	1	0.029	—	HK2820	20.9	35.3	5.00	7500	12000	0.040	28.000	27.991	34.989	34.972	Table B-2	JR22x28x20,5
30 1.1811	1.1811	40	12	0.366	9.3	1	0.029	—	BK3012	12.0	17.7	2.90	7000	11000	0.031	30.000	29.991	36.989	36.972	Table B-2	JR22x30x12
30 1.1811	1.1811	40	12	—	—	1	0.029	—	HK3012	12.0	17.7	2.90	7000	11000	0.028	30.000	29.991	36.989	36.972	Table B-2	JR22x30x12

Continued on next page.

NEEDLE ROLLER BEARINGS

DRAWN CUP NEEDLE ROLLER BEARINGS
CAGED,
OPEN ENDS,
CLOSED ONE END

METRIC SERIES
HK, BK SERIES



Shaft Dia.	F _w	D	C		C ₃ min.	r _s max.	Bearing Designation	Load Ratings			Speed Ratings	Mounting Dimensions			Mounting inner ring (pages B-238 to B-239)				
			Open Ends	Closed One End				C	C ₀	Fatigue Load Limit C ₀		G	H	S					
																Dynamic	Static	Fatigue Load Limit C ₀	
mm in	mm in	mm in	mm in	mm in	mm in	mm in		kN	kN	mm ²	kg B ₀	mm in	mm in	mm in					
30 1.1811	30 1.1811	37 1.4567	16 0.630	13.20 0.524	1	0.029	HK3016	16.8 780	27.3 614	4.20	7000	11000	0.041 0.990	30.000 1.1811	29.991 1.1807	36.972 1.4556	Table B-2	JR25x30x17	
30 1.1811	30 1.1811	37 1.4567	16 0.630	—	1	0.029	HK3016	—	16.8 780	27.3 614	4.20	7000	11000	0.032 0.071	30.000 1.1811	29.991 1.1807	36.972 1.4556	Table B-2	JR25x30x17
30 1.1811	30 1.1811	37 1.4567	16 0.630	17.3 0.681	1	0.029	HK3020	22.4 940	36.6 890	6.25	7000	11000	0.053 0.117	30.000 1.1811	29.991 1.1807	36.972 1.4556	Table B-2	JR25x30x20.5	
30 1.1811	30 1.1811	37 1.4567	16 0.630	—	1	0.029	HK3020	—	22.4 940	36.6 890	6.25	7000	11000	0.042 0.092	30.000 1.1811	29.991 1.1807	36.972 1.4556	Table B-2	JR25x30x20.5
30 1.1811	30 1.1811	37 1.4567	16 0.630	23.3 0.917	1	0.029	HK3026	27.4 610	51.2 1150	7.95	7000	11000	0.067 0.146	30.000 1.1811	29.991 1.1807	36.972 1.4556	Table B-2	JR25x30x26.5	
30 1.1811	30 1.1811	37 1.4567	16 0.630	—	1	0.029	HK3026	—	27.4 610	51.2 1150	7.95	7000	11000	0.054 0.119	30.000 1.1811	29.991 1.1807	36.972 1.4556	Table B-2	JR25x30x26.5
30 1.1811	30 1.1811	37 1.4567	16 0.630	35.3 1.390	1	0.029	HK3038 ⁽¹⁾	38.4 880	79.2 1780	12.5	7000	11000	0.093 0.206	30.000 1.1811	29.991 1.1807	36.972 1.4556	Table B-2	JR25x30x38.5	
30 1.1811	30 1.1811	37 1.4567	16 0.630	—	1	0.029	HK3038 ⁽¹⁾	—	38.4 880	79.2 1780	12.5	7000	11000	0.075 0.165	30.000 1.1811	29.991 1.1807	36.972 1.4556	Table B-2	JR25x30x38.5
35 1.3780	35 1.3780	42 1.6535	12 0.472	—	1	0.029	HK3512	12.3 276	19.2 429	2.50	5600	9100	0.028 0.062	35.000 1.3780	34.989 1.3775	41.972 1.6524	Table B-2	JR25x35x17	
35 1.3780	35 1.3780	42 1.6535	16 0.630	—	1	0.029	HK3516	18.7 426	33.0 749	4.60	5600	9100	0.037 0.082	35.000 1.3780	34.989 1.3775	41.972 1.6524	Table B-2	JR25x35x17	
35 1.3780	35 1.3780	42 1.6535	20 0.787	17.3 0.681	1	0.029	BK3320	24.5 590	46.8 1069	7.40	5600	9100	0.065 0.143	35.000 1.3780	34.989 1.3775	41.972 1.6524	Table B-2	JR25x35x20.5	
35 1.3780	35 1.3780	42 1.6535	20 0.787	—	1	0.029	HK3520	—	24.5 590	46.8 1069	7.40	5600	9100	0.049 0.108	35.000 1.3780	34.989 1.3775	41.972 1.6524	Table B-2	JR25x35x20.5
40 1.5748	40 1.5748	47 1.8504	12 0.472	—	1	0.029	HK4012	13.4 3010	22.4 504	3.40	5200	7900	0.033 0.073	40.000 1.5748	39.989 1.5744	46.972 1.8499	Table B-2	JR25x40x17	
40 1.5748	40 1.5748	47 1.8504	16 0.630	—	1	0.029	HK4016	18.8 450	34.8 720	5.35	5200	7900	0.042 0.092	40.000 1.5748	39.989 1.5744	46.972 1.8499	Table B-2	JR25x40x17	
40 1.5748	40 1.5748	47 1.8504	20 0.787	17.3 0.681	1	0.029	BK4020	25.1 540	50.4 1129	8.00	5200	7900	0.070 0.154	40.000 1.5748	39.989 1.5744	46.972 1.8499	Table B-2	JR25x40x20.5	
40 1.5748	40 1.5748	47 1.8504	20 0.787	—	1	0.029	HK4020	—	25.1 540	50.4 1129	8.00	5200	7900	0.060 0.132	40.000 1.5748	39.989 1.5744	46.972 1.8499	Table B-2	JR25x40x20.5
45 1.7717	45 1.7717	52 2.0472	12 0.472	—	1	0.029	HK4512	14.1 310	24.8 560	3.75	4600	7000	0.026 0.076	45.000 1.7717	44.989 1.7712	51.967 2.0463	Table B-2	JR25x45x17	

(1) Drawn cup needle roller bearings with two needle roller and cage assemblies and one lubricating hole.

Drawn Cup Needle Roller Bearings

Shaft Dia.	F _w	D	C		C ₃ min.	r _s max.	Bearing Designation	Load Ratings			Speed Ratings	Mounting Dimensions			Mounting inner ring (pages B-238 to B-239)				
			Open Ends	Closed One End				C	C ₀	Fatigue Load Limit C ₀		G	H	S					
																Dynamic	Static	Fatigue Load Limit C ₀	
mm in	mm in	mm in	mm in	mm in	mm in	mm in		kN	kN	mm ²	kg B ₀	mm in	mm in	mm in					
45 1.7717	45 1.7717	52 2.0472	16 0.630	—	1	0.029	HK4516	—	19.8 440	36.6 860	5.95	4600	7000	0.048 0.106	45.000 1.7717	44.989 1.7712	51.967 2.0463	Table B-2	JR25x45x17
45 1.7717	45 1.7717	52 2.0472	20 0.787	17.3 0.681	1	0.029	BK4520	—	27.2 610	58.2 1310	8.80	4600	7000	0.079 0.174	45.000 1.7717	44.989 1.7712	51.967 2.0463	Table B-2	JR25x45x20.5
45 1.7717	45 1.7717	52 2.0472	20 0.787	—	1	0.029	HK4520	—	27.2 610	58.2 1310	8.80	4600	7000	0.059 0.130	45.000 1.7717	44.989 1.7712	51.967 2.0463	Table B-2	JR25x45x20.5
50 1.9685	50 1.9685	58 2.2835	12 0.472	—	1	0.029	HK5012	—	17.0 380	28.7 645	4.40	4100	6300	0.045 0.099	50.000 1.9685	49.989 1.9681	57.967 2.2823	Table B-2	JR25x50x17
50 1.9685	50 1.9685	58 2.2835	16 0.630	—	1	0.029	HK5020	—	30.0 690	62.2 1400	8.80	4100	6300	0.072 0.159	50.000 1.9685	49.989 1.9681	57.967 2.2823	Table B-2	JR25x50x20
50 1.9685	50 1.9685	58 2.2835	25 0.994	—	1	0.029	HK5025	—	35.5 790	74.1 1670	11.7	4100	6300	0.092 0.203	50.000 1.9685	49.989 1.9681	57.967 2.2823	Table B-2	JR25x50x20.5
55 2.1654	55 2.1654	63 2.4803	12 0.472	—	1	0.029	HK5520	—	31.0 690	64.4 1440	10.0	3700	5700	0.079 0.174	55.000 2.1654	54.987 2.1648	62.967 2.4799	Table B-2	JR25x55x20.5
60 2.3622	60 2.3622	68 2.6772	12 0.472	—	1	0.029	HK6012	—	18.6 410	34.4 760	5.35	3400	5200	0.040 0.132	60.000 2.3622	59.987 2.3617	67.967 2.6799	Table B-2	JR25x60x17
60 2.3622	60 2.3622	68 2.6772	20 0.787	—	1	0.029	HK6020	—	35.6 800	79.5 1790	10.9	3400	5200	0.090 0.198	60.000 2.3622	59.987 2.3617	67.967 2.6799	Table B-2	JR25x60x20.5