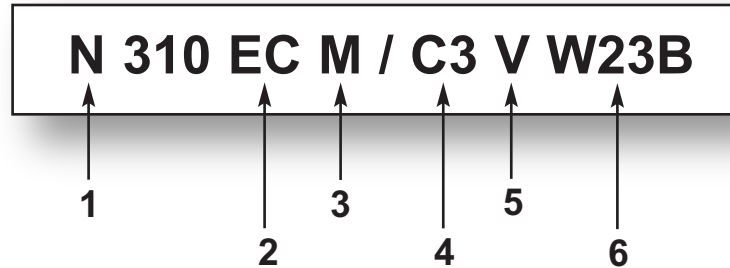


Cylindrical Roller Bearings



1. Basic Design	2. Internal Design	5. Variations
N Two integral flanges on inner ring, flangeless outer ring	EC Increased capacity plus improved roller end to flange contact	BV V + surface treated rollers
NCF Full complement, two flanges on inner ring, one flange on outer ring, with snap ring		2LS Two land riding contact seals
NJ One integral flange on inner ring, two flanges on outer ring		V Full complement bearing without cage
NNJG Full complement with one flange on inner ring and two flanges on outer		
NNC Double row CRB with one outer ring integral flange and one flange ring		
NNCF Two-row, full complement, three flanges on inner ring, one flange on outer ring with snap ring		
NNCL Double row CRB with no outer ring integral flanges, one centrally located snap ring		
NNF Two-row, full complement		
NU Two integral flanges on outer ring, flangeless inner ring		
NUP Two integral flanges on outer ring, one integral flange on inner ring and one loose flange on inner ring		
RN N type without outer ring		
RNU NU type without inner ring		
	3. Cage Designations	
	J Pressed steel cage, rolling element centred	6. Special Features
	M Machined brass cage, rolling element centred	VA 301 Special bearing specifications for traction motors
	MA Machined brass cage, flange outer ring centred	VA 3091 VA 301 + VL 0241
	ML One piece form turned, window type brass cage, ring centred	VL 0241 Aluminum oxide coating on inner ring for electrical insulation
	M2 Solid brass drilled cage, roller guided	VQ 015 Inner ring with crowned raceway for increased permissible misalignment
	P Injection moulded cage of fiberglass reinforced polyamide.	W23B Special features for traction motor bearings
	PH PEEK, hi-temp polyether ether ketone cage	
	4. Radial Internal Clearance	
	C1 Clearance < C2	
	C2 Clearance < Normal	
	C0,CN Normal clearance (no symbol shown)	
	C3 Clearance > Normal	
	C4 Clearance > C3	

Cylindrical roller bearings

Technical Features

Boundary Dimensions In accordance with ISO 15-1998

Tolerances	Boundary dimensions	RBEC 1 (normal)
	Running accuracy	RBEC 3 (P6)

Heat Stabilization 302°F (150°C)

Misalignment 4 minutes of arc for series N200, 300, 400 and 1000, 1800
3 minutes of arc for series N2200 and 2300 2900, 3000

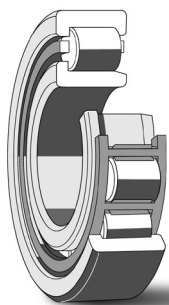
Cage Material

Standard Polyamide (P)

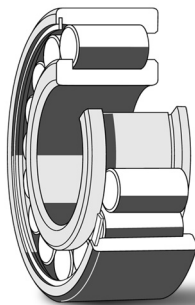
Optional Machined brass (M) and Pressed steel (J)

Axial Load – max Contact SKF Application Engineering

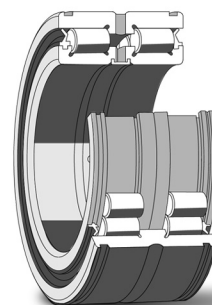
Seals 2LS seals on NNF series only



**Single Row
Cylindrical Roller Bearing**
(data tables on page 112)



**Full Complement, Single Row
Cylindrical Roller Bearing**
(data tables on page 128)



**Full Complement, Double Row
Cylindrical Roller Bearing**
(data tables on page 133)

Internal Clearance

Radial internal clearance

SKF single row cylindrical roller bearings are produced with Normal radial internal clearance as standard; the majority of the bearings are also available with C3 radial internal clearance and some with the appreciably greater C4 clearance.

The values for the clearance correspond to DIN 620, Part 4 for the size range covered by this standard and are given in **table 1**. The values apply to bearings before mounting and under zero measuring load.

SKF full complement cylindrical roller bearings are manufactured with Normal or C3 radial internal clearance as standard. The values for the clearance limits correspond to ISO and are shown in **table 1**.

Axial internal clearance

Cylindrical roller bearings of the NUP type can serve to locate shafts in both directions. Axial internal clearance according to **table 2**.

The values given in **table 2** for axial internal clearance should be considered as guideline values. Because of roller tilting during measurement of the axial internal clearance, increases in the clearance are possible. These correspond:

- for bearings of series 10, 2, 3 and 4 to approximately the radial internal clearance and
- for bearings of series 22 and 23 to approximately 2/3 of the radial internal clearance

Special Solutions Using Cylindrical Roller Bearings

SKF also manufactures:

- precision single and double row cylindrical roller bearings for machine tool applications
- double and multi-row cylindrical roller bearings for rolling mill and other heavy engineering applications
- special traction motor roller bearings for railroad applications

Details on these special solution products are available in other SKF publications, which can be supplied upon request.

Table 1 Radial internal clearance of cylindrical roller bearings

Bore diameter d over incl.	Radial internal clearance															
	C2				Normal				C3				C4			
	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max
mm	μm	in	μm	in	μm	in	μm	in	μm	in	μm	in	μm	in	μm	in
- 24	0	25	0.0000	0.0010	20	45	0.0008	0.0018	35	60	0.0014	0.0024	50	75	0.0020	0.0030
24 30	0	25	0.0000	0.0010	20	45	0.0008	0.0018	35	60	0.0014	0.0024	50	75	0.0020	0.0030
30 40	5	30	0.0002	0.0012	25	50	0.0010	0.0020	45	70	0.0018	0.0028	60	85	0.0024	0.0033
40 50	5	35	0.0002	0.0014	30	60	0.0012	0.0024	50	80	0.0020	0.0031	70	100	0.0028	0.0039
50 65	10	40	0.0004	0.0016	40	70	0.0016	0.0028	60	90	0.0024	0.0035	80	110	0.0031	0.0043
65 80	10	45	0.0004	0.0018	40	75	0.0016	0.0030	65	100	0.0026	0.0039	90	125	0.0035	0.0049
80 100	15	50	0.0006	0.0020	50	85	0.0020	0.0033	75	110	0.0030	0.0043	105	140	0.0041	0.0055
100 120	15	55	0.0006	0.0022	50	90	0.0020	0.0035	85	125	0.0033	0.0049	125	165	0.0049	0.0065
120 140	15	60	0.0006	0.0024	60	105	0.0024	0.0041	100	145	0.0039	0.0057	145	190	0.0057	0.0075
140 160	20	70	0.0008	0.0028	70	120	0.0028	0.0047	115	165	0.0045	0.0065	165	215	0.0065	0.0085
160 180	25	75	0.0010	0.0030	75	125	0.0030	0.0049	120	170	0.0047	0.0067	170	220	0.0067	0.0087
180 200	35	90	0.0014	0.0035	90	145	0.0035	0.0057	140	195	0.0055	0.0077	195	250	0.0077	0.0098
200 225	45	105	0.0018	0.0041	105	165	0.0041	0.0065	160	220	0.0063	0.0087	220	280	0.0087	0.0110
225 250	45	110	0.0018	0.0043	110	175	0.0043	0.0069	170	235	0.0067	0.0093	235	300	0.0093	0.0118
250 280	55	125	0.0022	0.0049	125	195	0.0049	0.0077	190	260	0.0075	0.0102	260	330	0.0102	0.0130
280 315	55	130	0.0022	0.0051	130	205	0.0051	0.0081	200	275	0.0079	0.0108	275	350	0.0108	0.0138
315 355	65	145	0.0026	0.0057	145	225	0.0057	0.0089	225	305	0.0089	0.0120	305	385	0.0120	0.0152
355 400	100	190	0.0039	0.0075	190	280	0.0075	0.0110	280	370	0.0110	0.0146	370	460	0.0146	0.0181
400 450	110	210	0.0043	0.0083	210	310	0.0083	0.0122	310	410	0.0122	0.0161	410	510	0.0161	0.0201
450 500	110	220	0.0043	0.0087	220	330	0.0087	0.0130	330	440	0.0130	0.0173	440	550	0.0173	0.0217
500 560	120	240	0.0047	0.0094	240	360	0.0094	0.0142	360	480	0.0142	0.0189	480	600	0.0189	0.0236
560 630	140	260	0.0055	0.0102	260	380	0.0102	0.0150	380	500	0.0150	0.0197	500	620	0.0197	0.0244
630 710	145	285	0.0057	0.0112	285	425	0.0112	0.0167	425	565	0.0167	0.0222	565	705	0.0222	0.0278
710 800	150	310	0.0059	0.0122	310	470	0.0122	0.0185	470	630	0.0185	0.0248	630	790	0.0248	0.0311

Cylindrical roller bearings

Table 2 Axial internal clearance of single row cylindrical roller bearings

Bore diameter d	Axial internal clearance																			
	NUP 2				NUP 3				NUP 4				NUP 22				NUP 23			
	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max
mm	μm	in	μm	in	μm	in	μm	in	μm	in	μm	in	μm	in	μm	in	μm	in	μm	in
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	37	140	0.0015	0.0055	37	140	0.0015	0.0055	-	-	-	-	37	140	0.0015	0.0055	47	155	0.0019	0.0061
20	37	140	0.0015	0.0000	37	140	0.0015	0.0055	-	-	-	-	47	155	0.0019	0.0061	47	155	0.0019	0.0061
25	37	140	0.0015	0.0055	47	155	0.0019	0.0061	-	-	-	-	47	155	0.0019	0.0061	47	155	0.0019	0.0061
30	37	140	0.0015	0.0055	47	155	0.0019	0.0061	-	-	-	-	47	155	0.0019	0.0061	47	155	0.0019	0.0061
35	47	155	0.0019	0.0061	47	155	0.0019	0.0061	55	155	0.0022	0.0061	47	155	0.0019	0.0061	62	180	0.0024	0.0071
40	47	155	0.0019	0.0061	47	155	0.0019	0.0061	55	155	0.0022	0.0061	47	155	0.0019	0.0061	62	180	0.0024	0.0071
45	47	155	0.0019	0.0061	47	155	0.0019	0.0061	55	155	0.0022	0.0061	47	155	0.0019	0.0061	62	180	0.0024	0.0071
50	47	155	0.0019	0.0061	47	155	0.0019	0.0061	70	185	0.0028	0.0073	47	155	0.0019	0.0061	62	180	0.0024	0.0071
55	47	155	0.0019	0.0061	47	155	0.0019	0.0061	70	185	0.0028	0.0073	47	155	0.0019	0.0061	62	180	0.0024	0.0071
60	47	155	0.0019	0.0061	62	180	0.0024	0.0071	70	185	0.0028	0.0073	62	180	0.0024	0.0071	87	230	0.0034	0.0091
65	47	155	0.0019	0.0061	62	180	0.0024	0.0071	70	185	0.0028	0.0073	62	180	0.0024	0.0071	87	230	0.0034	0.0091
70	47	155	0.0019	0.0061	62	180	0.0024	0.0071	70	185	0.0028	0.0073	62	180	0.0024	0.0071	87	230	0.0034	0.0091
75	47	155	0.0019	0.0061	62	180	0.0024	0.0071	70	185	0.0028	0.0073	62	180	0.0024	0.0071	87	230	0.0034	0.0091
80	47	155	0.0019	0.0061	62	180	0.0024	0.0071	-	-	-	-	62	180	0.0024	0.0071	87	230	0.0034	0.0091
85	62	180	0.0024	0.0071	62	180	0.0024	0.0071	-	-	-	-	62	180	0.0024	0.0071	87	230	0.0034	0.0091
90	62	180	0.0024	0.0071	62	180	0.0024	0.0071	-	-	-	-	62	180	0.0024	0.0071	87	230	0.0034	0.0091
95	62	180	0.0024	0.0071	62	180	0.0024	0.0071	-	-	-	-	62	180	0.0024	0.0071	87	230	0.0034	0.0091
100	62	180	0.0024	0.0071	87	230	0.0034	0.0091	-	-	-	-	87	230	0.0034	0.0091	120	315	0.0047	0.0124
105	62	180	0.0024	0.0071	-	-	-	-	-	-	-	-	87	230	0.0034	0.0091	120	315	0.0047	0.0124
110	62	180	0.0024	0.0071	87	230	0.0034	0.0091	-	-	-	-	87	230	0.0034	0.0091	120	315	0.0047	0.0124
120	62	180	0.0024	0.0071	87	230	0.0034	0.0091	-	-	-	-	87	230	0.0034	0.0091	120	315	0.0047	0.0124
130	62	180	0.0024	0.0071	87	230	0.0034	0.0091	-	-	-	-	87	230	0.0034	0.0091	120	315	0.0047	0.0124
140	62	180	0.0024	0.0071	87	230	0.0034	0.0091	-	-	-	-	87	230	0.0034	0.0091	120	315	0.0047	0.0124
150	62	180	0.0024	0.0071	87	230	0.0034	0.0091	-	-	-	-	87	230	0.0034	0.0091	120	315	0.0047	0.0124
160	87	230	0.0034	0.0091	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
170	87	230	0.0034	0.0091	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
180	87	230	0.0034	0.0091	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
190	87	230	0.0034	0.0091	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
200	87	230	0.0034	0.0091	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
220	95	230	0.0037	0.0091	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3 Axial displacement (s) of NU, NJ and N bearing ring relative to opposite ring

Designation	Axial Displacement s		Designation	Axial Displacement s		Designation	Axial Displacement s		Designation	Axial Displacement s	
	mm	in		mm	in		mm	in		mm	in
1005	2	0.079	208 EC	1.4	0.055	2222 EC	3.7	0.146	302 EC	1	0.039
1006	2.1	0.083	209 EC	1.2	0.047	2224 EC	3.8	0.150	303 EC	1	0.039
1007 EC	1	0.039	210 EC	1.5	0.059	2226 EC	4.3	0.169	304 EC	0.9	0.035
1008	2.4	0.094	211 EC	1	0.039	2228 EC	4.4	0.173	305 EC	1.3	0.051
1009 EC	0.9	0.035	212 EC	1.4	0.055	2230 EC	4.9	0.193	306 EC	1.4	0.055
1010	2.5	0.098	213 EC	1.4	0.055	2232 EC	4.5	0.177	307 EC	1.2	0.047
1011 EC	0.5	0.020	214 EC	1.2	0.047	2234 EC	4.2	0.165	308 EC	1.4	0.055
1012	2.9	0.114	215 EC	1.2	0.047	2236 EC	4.2	0.165	309 EC	1.7	0.067
1013	2.9	0.114	216 EC	1.4	0.055	2238 EC	5	0.197	310 EC	1.9	0.075
1014	3	0.118	217 EC	1.5	0.059	2240 EC	5.1	0.201	311 EC	2	0.079
1015	3	0.118	218 EC	1.8	0.071	2244 EC	7.9	0.311	312 EC	2.1	0.083
1016	3.3	0.130	219 EC	1.7	0.067	2248	4.3	0.169	313 EC	2.2	0.087
1017	3.3	0.130	220 EC	1.7	0.067	2252	4.3	0.169	314 EC	1.8	0.071
1018	3.5	0.138	221 EC	2	0.079	2256 EC	10.2	0.402	315 EC	1.8	0.071
1019	3.5	0.138	222 EC	2.1	0.083	2260	5.6	0.220	316 EC	2.1	0.083
1020	3.5	0.138	224 EC	1.9	0.075	2264	5.9	0.232	317 EC	2.3	0.091
1021	3.8	0.150	226 EC	2.1	0.083	2268	8	0.315	318 EC	2.5	0.098
1022	3.8	0.150	228 EC	2.4	0.094	2272	16.7	0.657	319 EC	2.9	0.114
1024	3.8	0.150	N 228	2.5	0.098	2276	8.3	0.327	320 EC	2.9	0.114
1026	4.7	0.185	230 EC	2.5	0.098				321 EC	3.4	0.134
1028	4.4	0.173	232 EC	2.7	0.106				322 EC	3	0.118
1030	4.9	0.193	234 EC	2.9	0.114	2304 EC	1.9	0.075	324 EC	3.7	0.146
1032	5.2	0.205	236 EC	2.9	0.114	2305 EC	2.3	0.091	326 EC	3.7	0.146
1034	5.8	0.228	238 EC	3	0.118	2306 EC	2.4	0.094	328 EC	3.7	0.146
1038	6.1	0.240	240 EC	2.6	0.102	2307 EC	2.7	0.106	N 328	4.2	0.165
1040	7	0.276	244	2.3	0.091	2308 EC	2.9	0.114	330 EC	4	0.157
1044	7.5	0.295	248	3.4	0.134	2309 EC	3.2	0.126	332 EC	4	0.157
1048	7.5	0.295	252	3.4	0.134	2310 EC	3.4	0.134	334	4.6	0.181
1052	8.8	0.346	256	3.8	0.150	2311 EC	3.5	0.138	336	4.4	0.173
1056	8.8	0.346	260	4.8	0.189	2312 EC	3.6	0.142	338 EC	4.3	0.169
1060	6	0.382	264	5.3	0.209	2313 EC	4.7	0.185	340	4	0.157
1064	13.5	0.382				2314 EC	4.8	0.189	344	5.2	0.205
1068	6.5	0.425				2315 EC	4.8	0.189	348	5.6	0.220
1072	6.5	0.425	2203 EC	1.5	0.059	2316 EC	5.1	0.201			
1076	6.5	0.425	2204 EC	2	0.079	2317 EC	5.8	0.228	406	1.6	0.063
1080	7	0.551	2205 EC	1.8	0.071	2318 EC	6	0.382	407	1.7	0.067
1084	11	0.551	2206 EC	1.8	0.071	2319 EC	6.9	0.272	408	2.5	0.098
1088	7	0.579	2207 EC	2.8	0.110	2320 EC	5.9	0.232	409	2.5	0.098
1092	7.8	0.626	2208 EC	1.9	0.075	2322 EC	7.5	0.295	410	2.6	0.102
1096	7.8	0.626	2209 EC	1.7	0.067	2324 EC	7.2	0.283	411	2.6	0.102
10/500	11.2	0.441	2210 EC	1.5	0.059	2326 EC	8.7	0.343	412	2.5	0.098
10/530	10.4	0.409	2211 EC	1.5	0.059	2328 EC	9.7	0.382	413	2.6	0.102
10/560	10	0.484	2212 EC	1.4	0.055	2330 EC	10.5	0.413	414	3.5	0.138
10/600	8.5	0.547	2213 EC	1.9	0.075	2332 EC	11	0.433	415	3.8	0.150
10/710 EC	8	0.673	2214 EC	1.7	0.067	2334	5.2	0.205	416	3.7	0.146
			2215 EC	1.7	0.067	2336	5.1	0.201	417	3.8	0.150
			2216 EC	1.4	0.055	2338 EC	9.5	0.374	418	4.9	0.193
			2217 EC	2	0.079	2340 EC	9.4	0.370	419	5	0.197
202 EC	1	0.039	2218 EC	2.6	0.102	2344 EC	10.4	0.409	420	4.9	0.193
203 EC	1	0.039	2219 EC	3	0.118	2348	6.4	0.252	421	4.9	0.193
204 EC	1	0.039	2220 EC	2.5	0.098	2356	6.6	0.260	422	4.8	0.189
205 EC	1.3	0.051						424	6.3	0.248	
206 EC	1.3	0.051									
207 EC	1.3	0.051									

Speed ratings

The limiting speeds are determined by certain criteria that include the form stability and the strength of cage as mentioned in section "Limiting speeds". The values listed in the product table are valid for the standard cage. To facilitate the estimation of the limiting speed for bearings with an alternative cage or vice-versa, **table 1** provides the appropriate conversion factors.

Table 1

Conversion factors for limiting speeds

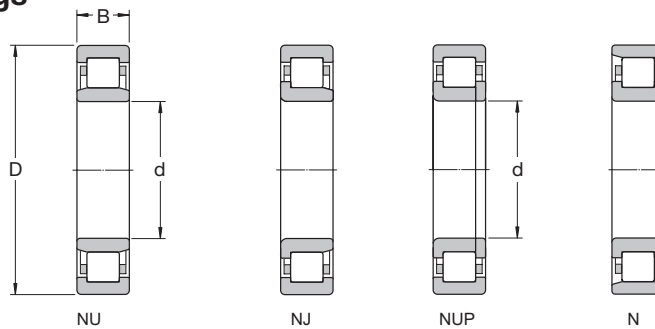
Bearing with standard cage alternative standard cage
P, J, M, MR MA, MB ML, MP

P, J, M, MR	1	1.3	1.5
MA, MB	0.75	1	1.2
ML, MP	0.65	0.85	1

Single row cylindrical roller bearings

d 15 - 25 mm

d 0.591 - 0.984 in



Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designations	
d	D	B	d	D	B	dynamic C	static C ₀	P _u	Refer- ence speed	Limiting speed	Bearing with standard cage	Bearing with standard cage	Alternative standard cage designs ¹⁾
mm			in			kN		kN	r/min		kg	–	
15	35	11	0.591	1.378	0.433	12.5	10.2	1.22	22 000	26 000	0.047	NU 202 ECP	–
	35	11		1.378	0.433	12.5	10.2	1.22	22 000	26 000	0.049	NJ 202 ECP	–
17	40	12	0.669	1.575	0.472	17.2	14.3	1.73	19 000	22 000	0.068	NU 203 ECP	ML
	40	12		1.575	0.472	17.2	14.3	1.73	19 000	22 000	0.07	NJ 203 ECP	ML
	40	12		1.575	0.472	17.2	14.3	1.73	19 000	22 000	0.073	NUP 203 ECP	ML
	40	12		1.575	0.472	17.2	14.3	1.73	19 000	22 000	0.066	N 203 ECP	
	40	16	1.575	0.630	23.8	21.6	2.65	19 000	22 000	0.092	NU 2203 ECP	–	
	40	16	1.575	0.630	23.8	21.6	2.65	19 000	22 000	0.095	NJ 2203 ECP	–	
	40	16	1.575	0.630	23.8	21.6	2.65	19 000	22 000	0.097	NUP 2203 ECP	–	
	47	14	1.850	0.551	24.6	20.4	2.55	15 000	20 000	0.12	NU 303 ECP	–	
	47	14	1.850	0.551	24.6	20.4	2.55	15 000	20 000	0.12	NJ 303 ECP	–	
	47	14	1.850	0.551	24.6	20.4	2.55	15 000	20 000	0.12	N 303 ECP	–	
20	47	14	0.787	1.850	0.551	25.1	25.2	2.75	16 000	19 000	0.11	NU 204 ECP	ML
	47	14		1.850	0.551	25.1	25.2	2.75	16 000	19 000	0.11	NJ 204 ECP	ML
	47	14		1.850	0.551	25.1	25.2	2.75	16 000	19 000	0.12	NUP 204 ECP	ML
	47	14		1.850	0.551	25.1	25.2	2.75	16 000	19 000	0.11	N 204 ECP	–
	47	18	1.850	0.709	29.7	27.5	3.45	16 000	19 000	0.14	NU 2204 ECP	–	
	47	18	1.850	0.709	29.7	27.5	3.45	16 000	19 000	0.14	NJ 2204 ECP	–	
	52	15	2.047	0.591	35.5	26	3.25	15 000	18 000	0.17	*NU 304 ECP	–	
	52	15	2.047	0.591	35.5	26	3.25	15 000	18 000	0.17	*NJ 304 ECP	–	
	52	15	2.047	0.591	35.5	26	3.25	15 000	18 000	0.16	*NUP 304 ECP	–	
	52	15	2.047	0.591	35.5	26	3.25	15 000	18 000	0.15	*N 304 ECP	–	
	52	21	2.047	0.827	47.5	38	4.8	14 000	18 000	0.21	*NU 2304 ECP	–	
	52	21	2.047	0.827	47.5	38	4.8	14 000	18 000	0.22	*NJ 2304 ECP	–	
	52	21	2.047	0.827	47.5	38	4.8	14 000	18 000	0.22	*NUP 2304 ECP	–	
	25	47	12	0.984	1.850	0.472	14.2	13.2	1.4	18 000	18 000	0.084	NU 1005
52		15	2.047		0.591	28.6	27	3.35	14 000	16 000	0.14	NU 205 ECP	J. ML
52		15	2.047		0.591	28.6	27	3.35	14 000	16 000	0.15	NJ 205 ECP	J. ML
52		15	2.047		0.591	28.6	27	3.35	14 000	16 000	0.14	NUP 205 ECP	ML
52		15	2.047	0.591	28.6	27	3.35	14 000	16 000	0.13	N 205 ECP	–	
52		18	2.047	0.709	34.1	34	4.25	14 000	16 000	0.17	NU 2205 ECP	ML	
52		18	2.047	0.709	34.1	34	4.25	14 000	16 000	0.18	NJ 2205 ECP	ML	
52		18	2.047	0.709	34.1	34	4.25	14 000	16 000	0.17	NUP 2205 ECP	ML	
62		17	2.441	0.669	46.5	36.5	4.55	12 000	15 000	0.28	*NU 305 ECP	J. ML	
62		17	2.441	0.669	46.5	36.5	4.55	12 000	15 000	0.29	*NJ 305 ECP	J. ML	
62		17	2.441	0.669	46.5	36.5	4.55	12 000	15 000	0.25	*NUP 305 ECP	J. ML	
62		17	2.441	0.669	46.5	36.5	4.55	12 000	15 000	0.24	*N 305 ECP	–	

* SKF Explorer bearing

¹⁾ When ordering bearings with an alternative standard cage, the suffix of the standard cage has to be replaced by the suffix of the cage in question, e.g. NU 203 ECP becomes NU 203 ECML (for speed ratings see page 111)

²⁾ HJ angle rings are available

Single row cylindrical roller bearings

d 25 - 35 mm

d 0.984 - 1.378 in

Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designations		
d	D	B	d	D	B	dynamic C	static C ₀	P _u	Refer- ence speed	Limiting speed	Bearing with standard cage	Bearing with standard cage	Alternative standard cage designs ¹⁾	
mm			in			kN		kN	r/min		kg	–		
25 cont.	62	24		2.441	0.945	64	55	6.95	12 000	15 000	0.38	*NU 2305 ECP	J. ML	
	62	24		2.441	0.945	64	55	6.95	12 000	15 000	0.39	*NJ 2305 ECP	ML	
	62	24		2.441	0.945	64	55	6.95	12 000	15 000	0.38	*NUP 2305 ECP	ML	
30	55	13	1.181	2.165	0.512	17.9	17.3	1.86	14 000	15 000	0.12	NU 1006	–	
	62	16		2.441	0.630	44	36.5	4.55	13 000	14 000	0.23	*NU 206 ECP	J. ML	
	62	16		2.441	0.630	44	36.5	4.55	13 000	14 000	0.24	*NJ 206 ECP	J. ML	
	62	16		2.441	0.630	44	36.5	4.55	13 000	14 000	0.22	*NUP 206 ECP	ML	
	62	16		2.441	0.630	44	36.5	4.55	13 000	14 000	0.2	*N 206 ECP	–	
	62	20		2.441	0.787	55	49	6.1	13 000	14 000	0.26	*NU 2206 ECP	J. ML	
	62	20		2.441	0.787	55	49	6.1	13 000	14 000	0.27	*NJ 2206 ECP	J. ML	
	62	20		2.441	0.787	55	49	6.1	13 000	14 000	0.27	*NUP 2206 ECP	ML	
	72	19		2.835	0.748	58.5	48	6.2	11 000	12 000	0.4	*NU 306 ECP	J. M. ML	
	72	19		2.835	0.748	58.5	48	6.2	11 000	12 000	0.41	*NJ 306 ECP	J. M. ML	
	72	19		2.835	0.748	58.5	48	6.2	11 000	12 000	0.38	*NUP 306 ECP	J. M. ML	
	72	19		2.835	0.748	58.5	48	6.2	11 000	12 000	0.36	*N 306 ECP	–	
	72	27		2.835	1.063	83	75	9.65	11 000	12 000	0.53	*NU 2306 ECP	ML	
	72	27		2.835	1.063	83	75	9.65	11 000	12 000	0.54	*NJ 2306 ECP	ML	
	72	27		2.835	1.063	83	75	9.65	11 000	12 000	0.55	*NUP 2306 ECP	ML	
	90	23		3.543	0.906	60.5	53	6.8	9 000	11 000	0.75	NU 406	–	
	90	23		3.543	0.906	60.5	53	6.8	9 000	11 000	0.77	NJ 406	–	
	35	62	14	1.378	2.441	0.551	35.8	38	4.55	12 000	13 000	0.16	NU 1007 ECP	–
		72	17		2.835	0.669	56	48	6.1	11 000	12 000	0.33	*NU 207 ECP	J. M. ML
72		17		2.835	0.669	56	48	6.1	11 000	12 000	0.33	*NJ 207 ECP	J. M. ML	
72		17		2.835	0.669	56	48	6.1	11 000	12 000	0.31	*NUP 207 ECP	J. M. ML	
72		17		2.835	0.669	56	48	6.1	11 000	12 000	0.3	*N 207 ECP	–	
72		23		2.835	0.906	69.5	63	8.15	11 000	12 000	0.4	*NU 2207 ECP	J. ML	
72		23		2.835	0.906	69.5	63	8.15	11 000	12 000	0.41	*NJ 2207 ECP	J. ML	
72		23		2.835	0.906	69.5	63	8.15	11 000	12 000	0.42	*NUP 2207 ECP	ML	
80		21		3.150	0.827	75	63	8.15	9 500	11 000	0.54	*NU 307 ECP	J. M. ML	
80		21		3.150	0.827	75	63	8.15	9 500	11 000	0.55	*NJ 307 ECP	J. M. ML	
80		21		3.150	0.827	75	63	8.15	9 500	11 000	0.51	*NUP 307 ECP	J. M. ML	
80		21		3.150	0.827	75	63	8.15	9 500	11 000	0.48	*N 307 ECP	–	
80		31		3.150	1.220	106	98	12.7	9 500	11 000	0.72	*NU 2307 ECP	J	
80		31		3.150	1.220	106	98	12.7	9 500	11 000	0.73	*NJ 2307 ECP	–	
80		31		3.150	1.220	106	98	12.7	9 500	11 000	0.75	*NUP 2307 ECP	–	
100		25		3.937	0.984	76.5	69.5	9	8 000	9 500	1	NU 407	–	
100		25		3.937	0.984	76.5	69.5	9	8 000	9 500	1.05	NJ 407	–	

* SKF Explorer bearing

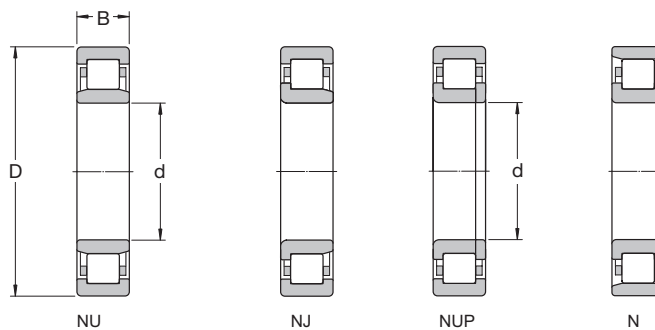
¹⁾ When ordering bearings with an alternative standard cage, the suffix of the standard cage has to be replaced by the suffix of the cage in question, e.g. NU 203 ECP becomes NU 203 ECML (for speed ratings see page 111)

²⁾ HJ angle rings are available

Single row cylindrical roller bearings

d 40 - 45 mm

d 1.575 - 1.772 in



Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designations	
d	D	B	d	D	B	dynamic C	static C ₀	P _u	Refer- ence speed	Limiting speed	Bearing with standard cage	Bearing with standard cage	Alternative standard cage designs ¹⁾
mm			in			kN		kN	r/min		kg	–	
40	68	15	1.575	2.677	0.591	25.1	26	3	11 000	18 000	0.22	NU 1008 ML	–
	80	18		3.150	0.709	62	53	6.7	9 500	11 000	0.42	*NU 208 ECP	J. M. ML
	80	18		3.150	0.709	62	53	6.7	9 500	11 000	0.43	*NJ 208 ECP	J. M. ML
	80	18		3.150	0.709	62	53	6.7	9 500	11 000	0.4	*NUP 208 ECP	J. M. ML
	80	18		3.150	0.709	62	53	6.7	9 500	11 000	0.37	*N 208 ECP	–
	80	23		3.150	0.906	81.5	75	9.65	9 500	11 000	0.54	*NU 2208 ECP	J. ML
	80	23		3.150	0.906	81.5	75	9.65	9 500	11 000	0.55	*NJ 2208 ECP	J. ML
	80	23		3.150	0.906	81.5	75	9.65	9 500	11 000	0.56	*NUP 2208 ECP	J. ML
	90	23		3.543	0.906	93	78	10.2	8 000	9 500	0.73	*NU 308 ECP	J. M. ML
	90	23		3.543	0.906	93	78	10.2	8 000	9 500	0.75	*NJ 308 ECP	J. M. ML
	90	23		3.543	0.906	93	78	10.2	8 000	9 500	0.68	*NUP 308 ECP	M. ML
	90	23		3.543	0.906	93	78	10.2	8 000	9 500	0.64	*N 308 ECP	–
	90	33		3.543	1.299	129	120	15.3	8 000	9 500	0.94	*NU 2308 ECP	J. M. ML
	90	33		3.543	1.299	129	120	15.3	8 000	9 500	0.96	*NJ 2308 ECP	J. M. ML
	90	33		3.543	1.299	129	120	15.3	8 000	9 500	0.98	*NUP 2308 ECP	M. ML
	110	27		4.331	1.063	96.8	90	11.6	7 000	8 500	1.4	NU 408	–
	110	27		4.331	1.063	96.8	90	11.6	7 000	8 500	1.35	NJ 408	–
45	75	16	1.772	2.953	0.630	44.6	52	6.3	9 500	11 000	0.26	NU 1009 ECP	–
	85	19		3.346	0.748	69.5	64	8.15	9 000	9 500	0.48	*NU 209 ECP	J. M. ML
	85	19		3.346	0.748	69.5	64	8.15	9 000	9 500	0.49	*NJ 209 ECP	J. M. ML
	85	19		3.346	0.748	69.5	64	8.15	9 000	9 500	0.45	*NUP 209 ECP	J. M. ML
	85	19		3.346	0.748	69.5	64	8.15	9 000	9 500	0.43	*N 209 ECP	–
	85	23		3.346	0.906	85	81.5	10.6	9 000	9 500	0.52	*NU 2209 ECP	J
	85	23		3.346	0.906	85	81.5	10.6	9 000	9 500	0.54	*NJ 2209 ECP	J
	85	23		3.346	0.906	85	81.5	10.6	9 000	9 500	0.55	*NUP 2209 ECP	–
	100	25		3.937	0.984	112	100	12.9	7 500	8 500	1	*NU 309 ECP	J. M. ML
	100	25		3.937	0.984	112	100	12.9	7 500	8 500	1.05	*NJ 309 ECP	J. M. ML
	100	25		3.937	0.984	112	100	12.9	7 500	8 500	0.95	*NUP 309 ECP	J. ML
	100	25		3.937	0.984	112	100	12.9	7 500	8 500	0.88	*N 309 ECP	–
	100	36		3.937	1.417	160	153	20	7 500	8 500	1.3	*NU 2309 ECP	ML
	100	36		3.937	1.417	160	153	20	7 500	8 500	1.35	*NJ 2309 ECP	ML
	100	36		3.937	1.417	160	153	20	7 500	8 500	1.35	*NUP 2309 ECP	ML
	120	29		4.724	1.142	106	102	13.4	6 700	7 500	1.78	NU 409	–
	120	29		4.724	1.142	106	102	13.4	6 700	7 500	1.7	NJ 409	–

* SKF Explorer bearing

¹⁾ When ordering bearings with an alternative standard cage, the suffix of the standard cage has to be replaced by the suffix of the cage in question, e.g. NU 203 ECP becomes NU 203 ECML (for speed ratings see page 111)

²⁾ HJ angle rings are available

Single row cylindrical roller bearings

d 50 - 55 mm

d 1.969 - 2.165 in

Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designations	
d	D	B	d	D	B	dynamic C	static C ₀	P _u	Refer- ence speed	Limiting speed	Bearing with standard cage	Bearing with standard cage	Alternative standard cage designs ¹⁾
mm			in			kN		kN	r/min		kg	–	
50	80	16	1.969	3.150	0.630	46.8	56	6.7	9 000	9 500	0.27	NU 1010 ECP	–
	90	20		3.543	0.787	73.5	69.5	8.8	8 500	9 000	0.49	*NU 210 ECP	J. M. ML
	90	20		3.543	0.787	73.5	69.5	8.8	8 500	9 000	0.5	*NJ 210 ECP	J. M. ML
	90	20		3.543	0.787	73.5	69.5	8.8	8 500	9 000	0.51	*NUP 210 ECP	J. ML
	90	20		3.543	0.787	73.5	69.5	8.8	8 500	9 000	0.48	*N 210 ECP	–
	90	23		3.543	0.906	90	88	11.4	8 500	9 000	0.56	*NU 2210 ECP	J. M. ML
	90	23		3.543	0.906	90	88	11.4	8 500	9 000	0.59	*NJ 2210 ECP	J. M. ML
	90	23		3.543	0.906	90	88	11.4	8 500	9 000	0.59	*NUP 2210 ECP	J. ML
	110	27		4.331	1.063	127	112	15	6 700	8 000	1.15	*NU 310 ECP	J. M. ML
	110	27		4.331	1.063	127	112	15	6 700	8 000	1.15	*NJ 310 ECP	J. M. ML
	110	27		4.331	1.063	127	112	15	6 700	8 000	1.2	*NUP 310 ECP	J. M. ML
	110	27		4.331	1.063	127	112	15	6 700	8 000	1.15	*N 310 ECP	M
	110	40		4.331	1.575	186	186	24.5	6 700	8 000	2	*NU 2310 ECP	ML
	110	40		4.331	1.575	186	186	24.5	6 700	8 000	1.75	*NJ 2310 ECP	ML
	110	40		4.331	1.575	186	186	24.5	6 700	8 000	1.8	*NUP 2310 ECP	ML
	130	31		5.118	1.220	130	127	16.6	6 000	7 000	2	NU 410	–
	130	31		5.118	1.220	130	127	16.6	6 000	7 000	2.05	NJ 410	–
55	90	18	2.165	3.543	0.709	57.2	69.5	8.3	8 000	8 500	0.4	NU 1011 ECP	–
	100	21		3.937	0.827	96.5	95	12.2	7 500	8 000	0.67	*NU 211 ECP	J. M. ML
	100	21		3.937	0.827	96.5	95	12.2	7 500	8 000	0.67	*NJ 211 ECP	J. M. ML
	100	21		3.937	0.827	96.5	95	12.2	7 500	8 000	0.69	*NUP 211 ECP	J. M. ML
	100	21		3.937	0.827	96.5	95	12.2	7 500	8 000	0.66	*N 211 ECP	M
	100	25		3.937	0.984	114	118	15.3	7 500	8 000	0.79	*NU 2211 ECP	J. M. ML
	100	25		3.937	0.984	114	118	15.3	7 500	8 000	0.81	*NJ 2211 ECP	J. M. ML
	100	25		3.937	0.984	114	118	15.3	7 500	8 000	0.82	*NUP 2211 ECP	J. ML
	120	29		4.724	1.142	156	143	18.6	6 000	7 000	1.45	*NU 311 ECP	J. M. ML
	120	29		4.724	1.142	156	143	18.6	6 000	7 000	1.5	*NJ 311 ECP	J. M. ML
	120	29		4.724	1.142	156	143	18.6	6 000	7 000	1.55	*NUP 311 ECP	J. M. ML
	120	29		4.724	1.142	156	143	18.6	6 000	7 000	1.45	*N 311 ECP	M
	120	43		4.724	1.693	232	232	30.5	6 000	7 000	2.25	*NU 2311 ECP	ML
	120	43		4.724	1.693	232	232	30.5	6 000	7 000	2.3	*NJ 2311 ECP	ML
	120	43		4.724	1.693	232	232	30.5	6 000	7 000	2.35	*NUP 2311 ECP	ML
	140	33		5.512	1.299	142	140	18.6	5 600	6 300	2.5	NU 411	–
	140	33		5.512	1.299	142	140	18.6	5 600	6 300	2.55	NJ 411	–

* SKF Explorer bearing

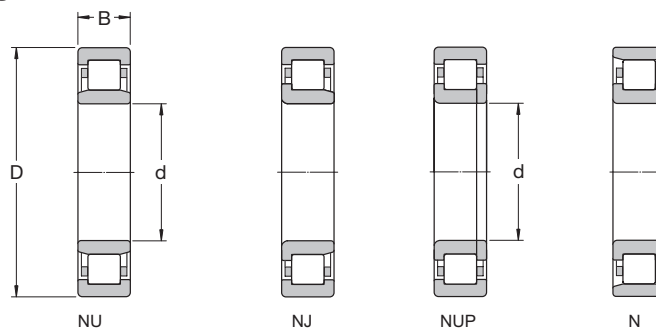
¹⁾ When ordering bearings with an alternative standard cage, the suffix of the standard cage has to be replaced by the suffix of the cage in question, e.g. NU 203 ECP becomes NU 203 ECML (for speed ratings see page 111)

²⁾ HJ angle rings are available

Single row cylindrical roller bearings

d 60 - 65 mm

d 2.362 - 2.559 in



Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designations	
d	D	B	d	D	B	dynamic C	static C ₀	P _u	Refer- ence speed	Limiting speed	Bearing with standard cage	Bearing with standard cage	Alternative standard cage designs ¹⁾
mm			in			kN		kN	r/min		kg	–	
60	95	18	2.362	3.740	0.709	37.4	44	5.3	8 000	11 000	0.48	NU 1012 ML	–
	110	22		4.331	0.866	108	102	13.4	6 700	7 500	0.81	*NU 212 ECP	J. M. ML
	110	22		4.331	0.866	108	102	13.4	6 700	7 500	0.83	*NJ 212 ECP	J. M. ML
	110	22		4.331	0.866	108	102	13.4	6 700	7 500	0.86	*NUP 212 ECP	J. ML
	110	22		4.331	0.866	108	102	13.4	6 700	7 500	0.81	*N 212 ECP	M
	110	28		4.331	1.102	146	153	20	6 700	7 500	1.1	*NU 2212 ECP	J. M. ML
	110	28		4.331	1.102	146	153	20	6 700	7 500	1.15	*NJ 2212 ECP	J. M. ML
	110	28		4.331	1.102	146	153	20	6 700	7 500	1.15	*NUP 2212 ECP	J. ML
	130	31		5.118	1.220	173	160	20.8	5 600	6 700	1.8	*NU 312 ECP	J. M. ML
	130	31		5.118	1.220	173	160	20.8	5 600	6 700	1.9	*NJ 312 ECP	J. M. ML
	130	31		5.118	1.220	173	160	20.8	5 600	6 700	1.95	*NUP 312 ECP	J. M. ML
	130	31		5.118	1.220	173	160	20.8	5 600	6 700	1.8	*N 312 ECP	M
	130	46		5.118	1.811	260	265	34.5	5 600	6 700	2.75	*NU 2312 ECP	ML
	130	46		5.118	1.811	260	265	34.5	5 600	6 700	2.8	*NJ 2312 ECP	ML
	130	46		5.118	1.811	260	265	34.5	5 600	6 700	2.85	*NUP 2312 ECP	ML
	150	35		5.906	1.378	168	173	22	5 000	6 000	3	NU 412	–
	150	35		5.906	1.378	168	173	22	5 000	6 000	3.1	NJ 412	–
65	100	18	2.559	3.937	0.709	62.7	81.5	9.8	7 000	7 500	0.45	NU 1013 ECP	–
	120	23		4.724	0.906	122	118	15.6	6 300	6 700	1.05	*NU 213 ECP	J. M. ML
	120	23		4.724	0.906	122	118	15.6	6 300	6 700	1.07	*NJ 213 ECP	J. M. ML
	120	23		4.724	0.906	122	118	15.6	6 300	6 700	1.1	*NUP 213 ECP	J. ML
	120	23		4.724	0.906	122	118	15.6	6 300	6 700	1.05	*N 213 ECP	–
	120	31		4.724	1.220	170	180	24	6 300	6 700	1.4	*NU 2213 ECP	J
	120	31		4.724	1.220	170	180	24	6 300	6 700	1.45	*NJ 2213 ECP	J
	120	31		4.724	1.220	170	180	24	6 300	6 700	1.5	*NUP 2213 ECP	–
	140	33		5.512	1.299	212	196	25.5	5 300	6 000	2.28	*NU 313 ECP	J. M. ML
	140	33		5.512	1.299	212	196	25.5	5 300	6 000	2.3	*NJ 313 ECP	J. M. ML
	140	33		5.512	1.299	212	196	25.5	5 300	6 000	2.35	*NUP 313 ECP	J. ML
	140	33		5.512	1.299	212	196	25.5	5 300	6 000	2.25	*N 313 ECP	M
65	140	48	2.559	5.512	1.890	285	290	38	5 300	6 000	3.3	*NU 2313 ECP	ML
	140	48		5.512	1.890	285	290	38	5 300	6 000	3.35	*NJ 2313 ECP	ML
	140	48		5.512	1.890	285	290	38	5 300	6 000	3.45	*NUP 2313 ECP	ML
	160	37		6.299	1.457	183	190	24	4 800	5 600	3.6	NU 413	–
	160	37		6.299	1.457	183	190	24	4 800	5 600	3.65	NJ 413	–

* SKF Explorer bearing

¹⁾ When ordering bearings with an alternative standard cage, the suffix of the standard cage has to be replaced by the suffix of the cage in question, e.g. NU 203 ECP becomes NU 203 ECML (for speed ratings see page 111)

²⁾ HJ angle rings are available

Single row cylindrical roller bearings

d 70 - 75 mm

d 2.36 - 5.2 in

Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designations	
d	D	B	d	D	B	dynamic C	static C ₀	P _u	Refer- ence speed	Limiting speed	Bearing with standard cage	Bearing with standard cage	Alternative standard cage designs ¹⁾
mm			in			kN		kN	r/min		kg	–	
70	110	20	2.756	4.331	0.787	76.5	93	12	6 300	7 000	0.62	NU 1014 ECP	–
	125	24		4.921	0.945	137	137	18	6 000	6 300	1.15	*NU 214 ECP	J. M. ML
	125	24		4.921	0.945	137	137	18	6 000	6 300	1.15	*NJ 214 ECP	J. M. ML
	125	24		4.921	0.945	137	137	18	6 000	6 300	1.2	*NUP 214 ECP	M. ML
	125	24		4.921	0.945	137	137	18	6 000	6 300	1.15	*N 214 ECP	–
	125	31		4.921	1.220	180	193	25.5	6 000	6 300	1.55	*NU 2214 ECP	J. M. ML
	125	31		4.921	1.220	180	193	25.5	6 000	6 300	1.55	*NJ 2214 ECP	M. ML
	125	31		4.921	1.220	180	193	25.5	6 000	6 300	1.55	*NUP 2214 ECP	M. ML
	150	35		5.906	1.378	236	228	29	4 800	5 600	2.75	*NU 314 ECP	J. M. ML
	150	35		5.906	1.378	236	228	29	4 800	5 600	2.8	*NJ 314 ECP	J. M. ML
	150	35		5.906	1.378	236	228	29	4 800	5 600	2.85	*NUP 314 ECP	M. ML
	150	35		5.906	1.378	236	228	29	4 800	5 600	2.75	*N 314 ECP	M
	150	51		5.906	2.008	315	325	41.5	4 800	5 600	4	*NU 2314 ECP	ML
	150	51		5.906	2.008	315	325	41.5	4 800	5 600	4.05	*NJ 2314 ECP	ML
	150	51		5.906	2.008	315	325	41.5	4 800	5 600	4.15	*NUP 2314 ECP	ML
	180	42		7.087	1.654	229	240	30	4 300	5 000	5.25	NU 414	–
	180	42		7.087	1.654	229	240	30	4 300	5 000	5.35	NJ 414	–
75	115	20	2.953	4.528	0.787	58.3	71	8.5	6 700	10 000	0.74	NU 1015 ML	–
	130	25		5.118	0.984	150	156	20.4	5 600	6 000	1.25	*NU 215 ECP	J. M. ML
	130	25		5.118	0.984	150	156	20.4	5 600	6 000	1.3	*NJ 215 ECP	J. M. ML
	130	25		5.118	0.984	150	156	20.4	5 600	6 000	1.3	*NUP 215 ECP	M. ML
	130	25		5.118	0.984	150	156	20.4	5 600	6 000	1.25	*N 215 ECP	–
	130	31		5.118	1.220	186	208	27	5 600	6 000	1.6	*NU 2215 ECP	J. ML
	130	31		5.118	1.220	186	208	27	5 600	6 000	1.6	*NJ 2215 ECP	J. ML
	130	31		5.118	1.220	186	208	27	5 600	6 000	1.65	*NUP 2215 ECP	J. ML
	160	37		6.299	1.457	280	265	33.5	4 500	5 300	3.3	*NU 315 ECP	J. M. ML
	160	37		6.299	1.457	280	265	33.5	4 500	5 300	3.35	*NJ 315 ECP	J. M. ML
	160	37		6.299	1.457	280	265	33.5	4 500	5 300	3.45	*NUP 315 ECP	M. ML
	160	37		6.299	1.457	280	265	33.5	4 500	5 300	3.3	*N 315 ECP	M
	160	55		6.299	2.165	380	400	50	4 500	5 300	4.9	*NU 2315 ECP	J. ML
	160	55		6.299	2.165	380	400	50	4 500	5 300	5	*NJ 2315 ECP	ML
	160	55		6.299	2.165	380	400	50	4 500	5 300	5.1	*NUP 2315 ECP	ML
	190	45		7.480	1.772	264	280	34	4 000	4 800	6.75	NU 415	–
	190	45		7.480	1.772	264	280	34	4 000	4 800	6.9	NJ 415	–

* SKF Explorer bearing

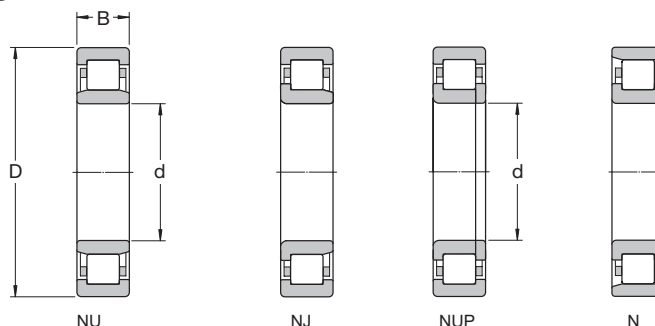
¹⁾ When ordering bearings with an alternative standard cage, the suffix of the standard cage has to be replaced by the suffix of the cage in question, e.g. NU 203 ECP becomes NU 203 ECML (for speed ratings see page 111)

²⁾ HJ angle rings are available

Single row cylindrical roller bearings

d 80 - 85 mm

d 3.150 - 3.346 in



Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designations		
d	D	B	d	D	B	dynamic C	static C ₀	P _u	Refer- ence speed	Limiting speed	Bearing with standard cage	Bearing with standard cage	Alternative standard cage designs ¹⁾	
mm			in			kN		kN	r/min		kg	–		
80	125	22	3.150	4.921	0.866	66	81.5	10.4	6 300	6 300	1	NU 1016	–	
	125	22		4.921	0.866	99	127	16.3	5 600	9 500	1.1	NJ 1016 ECML	–	
	140	26		5.512	1.024	160	166	21.2	5 300	5 600	1.5	*NU 216 ECP	J. M. ML	
	140	26		5.512	1.024	160	166	21.2	5 300	5 600	1.6	*NJ 216 ECP	J. M. ML	
	140	26		5.512	1.024	160	166	21.2	5 300	5 600	1.65	*NUP 216 ECP	ML	
	140	26		5.512	1.024	160	166	21.2	5 300	5 600	1.5	*N 216 ECP	–	
	140	33		5.512	1.299	212	245	31	5 300	5 600	2	*NU 2216 ECP	J. M. ML	
	140	33		5.512	1.299	212	245	31	5 300	5 600	2.05	*NJ 2216 ECP	J. M. ML	
	140	33		5.512	1.299	212	245	31	5 300	5 600	2.1	*NUP 2216 ECP	M. ML	
	170	39		6.693	1.535	300	290	36	4 300	5 000	3.95	*NU 316 ECP	J. M. ML	
	170	39		6.693	1.535	300	290	36	4 300	5 000	4	*NJ 316 ECP	J. M. ML	
	170	39		6.693	1.535	300	290	36	4 300	5 000	4.1	*NUP 316 ECP	M. ML	
	170	39		6.693	1.535	300	290	36	4 300	5 000	3.9	*N 316 ECP	M	
	170	58		6.693	2.283	415	440	55	4 300	5 000	5.95	*NU 2316 ECP	M. ML	
	170	58		6.693	2.283	415	440	55	4 300	5 000	6	*NJ 2316 ECP	M. ML	
	170	58		6.693	2.283	415	440	55	4 300	5 000	6	*NUP 2316 ECP	M. ML	
200	48		7.874	1.890	303	320	39	3 800	4 500	7.3	NU 416	–		
200	48		7.874	1.890	303	320	39	3 800	4 500	8.05	NJ 416	–		
85	130	22	3.346	5.118	0.866	68.2	86.5	10.8	6 000	9 000	1.05	NU 1017 ML	–	
	150	28			5.906	1.102	190	200	24.5	4 800	5 300	1.9	*NU 217 ECP	J. M. ML
	150	28			5.906	1.102	190	200	24.5	4 800	5 300	1.95	*NJ 217 ECP	J. M. ML
	150	28			5.906	1.102	190	200	24.5	4 800	5 300	2	*NUP 217 ECP	J. ML
	150	28		5.906	1.102	190	200	24.5	4 800	5 300	1.9	*N 217 ECP	M	
	150	36		5.906	1.417	250	280	34.5	4 800	5 300	2.45	*NU 2217 ECP	J. M. ML	
	150	36		5.906	1.417	250	280	34.5	4 800	5 300	2.55	*NJ 2217 ECP	J. M. ML	
	150	36		5.906	1.417	250	280	34.5	4 800	5 300	2.65	*NUP 2217 ECP	ML	
	180	41		7.087	1.614	340	335	41.5	4 000	4 800	4.7	*NU 317 ECP	J. M	
	180	41		7.087	1.614	340	335	41.5	4 000	4 800	4.8	*NJ 317 ECP	J. M	
	180	41		7.087	1.614	340	335	41.5	4 000	4 800	4.9	*NUP 317 ECP	J. M	
	180	41		7.087	1.614	340	335	41.5	4 000	4 800	4.7	*N 317 ECP	M	
	180	60		7.087	2.362	455	490	60	4 000	4 800	6.85	*NU 2317 ECP	J. ML	
	180	60		7.087	2.362	455	490	60	4 000	4 800	7	*NJ 2317 ECP	ML	
	180	60		7.087	2.362	455	490	60	4 000	4 800	7	*NUP 2317 ECP	ML	
	210	52		8.268	2.047	319	335	39	3 600	4 300	9.7	NU 417	–	
210	52		8.268	2.047	319	335	39	3 800	4 300	8.9	NJ 417	–		

* SKF Explorer bearing

¹⁾ When ordering bearings with an alternative standard cage, the suffix of the standard cage has to be replaced by the suffix of the cage in question, e.g. NU 203 ECP becomes NU 203 ECML (for speed ratings see page 111)

²⁾ HJ angle rings are available

Single row cylindrical roller bearings

d 90 - 95 mm

d 3.543 - 3.740 in

Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designations	
d	D	B	d	D	B	dynamic C	static C ₀	P _u	Reference speed	Limiting speed	Bearing with standard cage	Bearing with standard cage	Alternative standard cage designs ¹⁾
mm			in			kN		kN	r/min		kg	–	
90	140	24	3.543	5.512	0.945	80.9	104	12.7	5 600	8 500	1.35	NU 1018 ML	–
	160	30		6.299	1.181	208	220	27	4 500	5 000	2.35	*NU 218 ECP	J. M. ML
	160	30		6.299	1.181	208	220	27	4 500	5 000	2.4	*NJ 218 ECP	J. M. ML
	160	30		6.299	1.181	208	220	27	4 500	5 000	2.45	*NUP 218 ECP	M. ML
	160	30		6.299	1.181	208	220	27	4 500	5 000	2.35	*N 218 ECP	M
	160	40		6.299	1.575	280	315	39	4 500	5 000	3.15	*NU 2218 ECP	J. M. ML
	160	40		6.299	1.575	280	315	39	4 500	5 000	3.2	*NJ 2218 ECP	M. ML
	160	40		6.299	1.575	280	315	39	4 500	5 000	3.3	*NUP 2218 ECP	–
90	190	43	3.543	7.480	1.693	365	360	43	3 800	4 500	5.45	*NU 318 ECP	J. M. ML
	190	43		7.480	1.693	365	360	43	3 800	4 500	5.55	*NJ 318 ECP	J. M. ML
	190	43		7.480	1.693	365	360	43	3 800	4 500	5.65	*NUP 318 ECJ	M. ML
	190	43		7.480	1.693	365	360	43	3 800	4 500	5.4	*N 318 ECP	M
	190	64		7.480	2.520	500	540	65.5	3 800	4 500	8	*NU 2318 ECP	J. ML
	190	64		7.480	2.520	500	540	65.5	3 800	4 500	8.15	*NJ 2318 ECP	J. ML. M
	190	64		7.480	2.520	500	540	65.5	3 800	4 500	8.3	*NUP 2318 ECP	ML
	225	54		8.858	2.126	380	415	48	3 400	4 000	11.5	NU 418	–
95	145	24	3.740	5.709	0.945	84.2	110	13.2	5 300	8 000	1.4	NU 1019 ML	–
	170	32		6.693	1.260	255	265	32.5	4 300	4 800	2.85	*NU 219 ECP	J. M. ML
	170	32		6.693	1.260	255	265	32.5	4 300	4 800	2.9	*NJ 219 ECP	J. M. ML
	170	32		6.693	1.260	255	265	32.5	4 300	4 800	3	*NUP 219 ECP	ML
	170	32		6.693	1.260	255	265	32.5	4 300	4 800	2.85	*N 219 ECP	–
	170	43		6.693	1.693	325	375	45.5	4 300	4 800	3.85	*NU 2219 ECP	J. M
	170	43		6.693	1.693	325	375	45.5	4 300	4 800	3.95	*NJ 2219 ECP	J. M
	170	43		6.693	1.693	325	375	45.5	4 300	4 800	4	*NUP 2219 ECP	–
	200	45		7.874	1.772	390	390	46.5	3 600	4 300	6.25	*NU 319 ECP	J. M. ML
	200	45		7.874	1.772	390	390	46.5	3 600	4 300	6.45	*NJ 319 ECP	J. M. ML
	200	45		7.874	1.772	390	390	46.5	3 600	4 300	6.25	*NUP 319 ECP	M. ML
	200	45		7.874	1.772	390	390	46.5	3 600	4 300	6.25	*N 319 ECP	M
	200	67		7.874	2.638	530	585	69.5	3 600	4 300	9.65	*NU 2319 ECP	J. ML
	200	67		7.874	2.638	530	585	69.5	3 600	4 300	9.85	*NJ 2319 ECP	J. ML
	200	67		7.874	2.638	530	585	69.5	3 600	4 300	9.75	*NUP 2319 ECP	J. ML
	240	55		9.449	2.165	413	455	52	3 200	3 600	13.5	NU 419 M	–

* SKF Explorer bearing

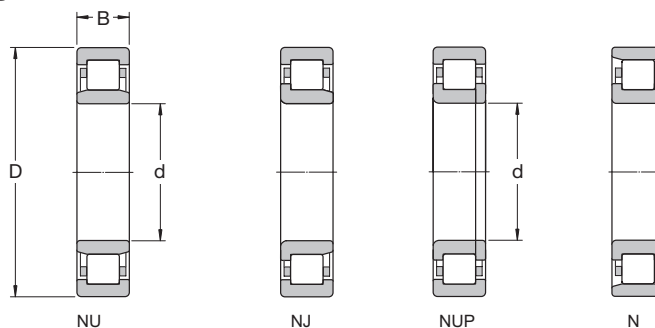
¹⁾ When ordering bearings with an alternative standard cage, the suffix of the standard cage has to be replaced by the suffix of the cage in question, e.g. NU 203 ECP becomes NU 203 ECML (for speed ratings see page 111)

²⁾ HJ angle rings are available

Single row cylindrical roller bearings

d 100 - 105 mm

d 3.937 - 4.134 in



Principal dimensions						Basic load ratings		Fatigue load limit P_u	Speed ratings		Mass Bearing with standard cage	Designations	
d	D	B	d	D	B	dynamic C	static C_0		Reference speed	Limiting speed		Bearing with standard cage	Alternative standard cage designs ¹⁾
mm			in			kN		kN	r/min		kg	-	
100	150	24	3.937	5.906	0.945	85.8	114	13.7	5 000	7 500	1.45	NU 1020 ML	M
	180	34		7.087	1.339	285	305	36.5	4 000	4 500	3.45	*NU 220 ECP	J. M. ML
	180	34		7.087	1.339	285	305	36.5	4 000	4 500	3.5	*NJ 220 ECP	J. M. ML
	180	34		7.087	1.339	285	305	36.5	4 000	4 500	3.6	*NUP 220 ECP	ML
	180	34		7.087	1.339	285	305	36.5	4 000	4 500	3.45	*N 220 ECP	-
	180	46		7.087	1.811	380	450	54	4 000	4 500	4.75	*NU 2220 ECP	J. ML
	180	46		7.087	1.811	380	450	54	4 000	4 500	4.8	*NJ 2220 ECP	J. ML
	180	46		7.087	1.811	380	450	54	4 000	4 500	4.9	*NUP 2220 ECP	ML
	215	47		8.465	1.850	450	440	51	3 200	3 800	7.85	*NU 320 ECP	J. M. ML
	215	47		8.465	1.850	450	440	51	3 200	3 800	7.65	*NJ 320 ECP	J. M. ML
	215	47		8.465	1.850	450	440	51	3 200	3 800	7.8	*NUP 320 ECJ	ML
	215	47		8.465	1.850	450	440	51	3 200	3 800	7.55	*N 320 ECP	M
	215	73		8.465	2.874	670	735	85	3 200	3 800	12	*NU 2320 ECP	J. ML
	215	73		8.465	2.874	670	735	85	3 200	3 800	12.2	*NJ 2320 ECP	J. ML
	215	73		8.465	2.874	670	735	85	3 200	3 800	12.5	*NUP 2320 ECP	J. ML
	250	58		9.843	2.283	429	475	53	3 000	3 600	14	NU 420 M	-
105	160	26	4.134	6.299	1.024	101	137	16	4 800	7 500	1.85	NU 1021 ML	M
	190	36		7.480	1.417	300	315	36.5	3 800	4 300	4	*NU 221 ECP	J. ML
	190	36		7.480	1.417	300	315	36.5	3 800	4 300	4.1	*NJ 221 ECP	ML
	190	36		7.480	1.417	300	315	36.5	3 800	4 300	4.2	*NUP 221 ECP	ML
	190	36		7.480	1.417	300	315	36.5	3 800	4 300	3.95	*N 221 ECP	-
	225	49		8.858	1.929	500	500	57	3 200	3 800	8.75	*NU 321 ECP	J. ML
	225	49		8.858	1.929	500	500	57	3 200	3 800	9	*NJ 321 ECJ	ML
	225	49		8.858	1.929	500	500	57	3 200	3 800	8.65	*N 321 ECP	-
	260	60		10.236	2.362	501	570	64	2 800	3 400	19	NU 421 M	-

* SKF Explorer bearing

¹⁾ When ordering bearings with an alternative standard cage, the suffix of the standard cage has to be replaced by the suffix of the cage in question, e.g. NU 203 ECP becomes NU 203 ECML (for speed ratings see page 111)

²⁾ HJ angle rings are available

Single row cylindrical roller bearings

d 110 - 120 mm

d 4.331 - 4.724 in

Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designations	
d	D	B	d	D	B	dynamic C	static C ₀	P _u	Refer- ence speed	Limiting speed	Bearing with standard cage	Bearing with standard cage	Alternative standard cage designs ¹⁾
mm			in			kN		kN	r/min		kg	–	
110	170	28	4.331	6.693	1.102	128	166	19.3	4 500	7 000	2.3	NU 1022 ML	M
	200	38		7.874	1.496	335	365	42.5	3 600	4 000	4.8	*NU 222 ECP	J. M. ML
	200	38		7.874	1.496	335	365	42.5	3 600	4 000	4.9	*NJ 222 ECP	J. M. ML
	200	38		7.874	1.496	335	365	42.5	3 600	4 000	5	*NUP 222 ECP	ML
	200	38		7.874	1.496	335	365	42.5	3 600	4 000	4.8	*N 222 ECP	M
	200	53		7.874	2.087	440	520	61	3 600	4 000	6.7	*NU 2222 ECP	J. ML
	200	53		7.874	2.087	440	520	61	3 600	4 000	6.85	*NJ 2222 ECP	J. ML
	200	53		7.874	2.087	440	520	61	3 600	4 000	7	*NUP 2222 ECP	ML
	240	50		9.449	1.969	530	540	61	3 000	3 400	10.8	*NU 322 ECP	J. M. ML
	240	50		9.449	1.969	530	540	61	3 000	3 400	11.1	*NJ 322 ECP	J. M. ML
	240	50		9.449	1.969	530	540	61	3 000	3 400	11.2	*NUP 322 ECP	J. ML
	240	50		9.449	1.969	530	540	61	3 000	3 400	10.5	*N 322 ECP	M
	240	80		9.449	3.150	780	900	102	3 000	3 400	17	*NU 2322 ECP	MA
	240	80		9.449	3.150	780	900	102	3 000	3 400	18.9	*NJ 2322 ECP	MA
	240	80		9.449	3.150	780	900	102	3 000	3 400	18.9	*NUP 2322 ECP	MA
	280	65		11.024	2.559	532	585	64	2 600	3 200	20	NU 422	–
	280	65		11.024	2.559	532	585	64	2 600	3 200	20.3	NJ 422	–
120	180	28	4.724	7.087	1.102	134	183	20.8	4 000	6 300	2.45	NU 1024 ML	M
	215	40		8.465	1.575	390	430	49	3 400	3 600	5.75	*NU 224 ECP	J. M. ML
	215	40		8.465	1.575	390	430	49	3 400	3 600	5.85	*NJ 224 ECP	J. M. ML
	215	40		8.465	1.575	390	430	49	3 400	3 600	6	*NUP 224 ECJ	ML
	215	40		8.465	1.575	390	430	49	3 400	3 600	5.75	*N 224 ECP	M
	215	58		8.465	2.283	520	630	72	3 400	3 600	8.3	*NU 2224 ECP	J. M. ML
	215	58		8.465	2.283	520	630	72	3 400	3 600	8.5	*NJ 2224 ECP	J. M. ML
	215	58		8.465	2.283	520	630	72	3 400	3 600	9	*NUP 2224 ECP	ML
	260	55		10.236	2.165	610	620	69.5	2 800	3 200	13.3	*NU 324 ECP	J. M. ML
	260	55		10.236	2.165	610	620	69.5	2 800	3 200	13.5	*NJ 324 ECP	J. M. ML
	260	55		10.236	2.165	610	620	69.5	2 800	3 200	13.7	*NUP 324 ECP	ML
	260	55		10.236	2.165	610	620	69.5	2 800	3 200	13.2	*N 324 ECP	M
	260	86		10.236	3.386	915	1 040	116	2 800	4 300	24	*NU 2324 ECMA	–
	260	86		10.236	3.386	915	1 040	116	2 800	4 300	24.3	*NJ 2324 ECMA	M
	260	86		10.236	3.386	915	1 040	116	2 800	4 300	24.3	*NUP 2324 ECMA	–
	310	72		12.205	2.835	644	735	78	2 400	2 800	28	NU 424	–

* SKF Explorer bearing

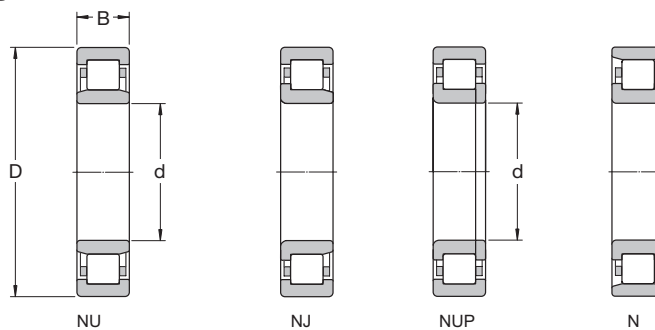
¹⁾ When ordering bearings with an alternative standard cage, the suffix of the standard cage has to be replaced by the suffix of the cage in question, e.g. NU 203 ECP becomes NU 203 ECML (for speed ratings see page 111)

²⁾ HJ angle rings are available

Single row cylindrical roller bearings

d 130 - 140 mm

d 5.118 - 5.512 in



Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designations	
d	D	B	d	D	B	dynamic C	static C ₀	P _u	Reference speed	Limiting speed	Bearing with standard cage	Bearing with standard cage	Alternative standard cage designs ¹⁾
mm			in			kN		kN	r/min		kg	–	
130	200	33	5.118	7.874	1.299	165	224	25	3 800	5 600	3.8	NU 1026 ML	M
	230	40		9.055	1.575	415	455	51	3 200	3 400	6.45	*NU 226 ECP	J. M. ML
	230	40		9.055	1.575	415	455	51	3 200	3 400	6.6	*NJ 226 ECP	J. M. ML
	230	40		9.055	1.575	415	455	51	3 200	3 400	6.75	*NUP 226 ECP	J. ML
	230	40		9.055	1.575	415	455	51	3 200	3 400	6.3	*N 226 ECP	–
	230	64		9.055	2.520	610	735	83	3 200	3 400	10.5	*NU 2226 ECP	ML
	230	64		9.055	2.520	610	735	83	3 200	3 400	12.2	*NJ 2226 ECP	ML
	230	64		9.055	2.520	610	735	83	3 200	3 400	12.2	*NUP 2226 ECP	ML
	280	58		11.024	2.283	720	750	81.5	2 400	3 000	16.5	*NU 326 ECP	J. M. ML
	280	58		11.024	2.283	720	750	81.5	2 400	3 000	18.4	*NJ 326 ECP	J. M. ML
	280	58		11.024	2.283	720	750	81.5	2 400	3 000	19.6	*NUP 326 ECP	ML
	280	58		11.024	2.283	720	750	81.5	2 400	3 000	18.5	*N 326 ECP	M
	280	93		11.024	3.661	1 060	1 250	137	2 400	3 000	30	*NU 2326 ECMA	–
	280	93		11.024	3.661	1 060	1 250	137	2 400	3 000	30.5	*NJ 2326 ECMA	–
	280	93		11.024	3.661	1 060	1 250	137	2 400	3 000	31	*NUP 2326 ECMA	–
140	210	33	5.512	8.268	1.299	172	245	27	3 600	5 300	4.05	NU 1028 ML	M
	250	42		9.843	1.654	450	510	57	2 800	3 200	8.5	*NU 228 ECM	J. ML
	250	42		9.843	1.654	450	510	57	2 800	3 200	8.75	*NJ 228 ECM	J. ML
	250	42		9.843	1.654	450	510	57	2 800	3 200	8.9	*NUP 228 ECM	ML
	250	68		9.843	2.677	655	830	93	2 800	4 800	15	*NU 2228 ECML	–
	250	68		9.843	2.677	655	830	93	2 800	4 800	15.3	*NJ 2228 ECML	–
	250	68		9.843	2.677	655	830	93	2 800	4 800	15.6	*NUP 2228 ECML	–
	300	62		11.811	2.441	780	830	88	2 400	2 800	22.7	*NU 328 ECM	J. ML
	300	62		11.811	2.441	780	830	88	2 400	2 800	23	*NJ 328 ECM	J. ML
	300	62		11.811	2.441	780	830	88	2 400	2 800	23.5	*NUP 328 ECM	ML
	300	102		11.811	4.016	1 200	1 430	150	2 400	3 600	37	*NU 2328 ECMA	–
	300	102		11.811	4.016	1 200	1 430	150	2 400	3 600	37.5	*NJ 2328 ECMA	–
	300	102		11.811	4.016	1 200	1 430	150	2 400	3 600	38	*NUP 2328 ECMA	–

* SKF Explorer bearing

¹⁾ When ordering bearings with an alternative standard cage, the suffix of the standard cage has to be replaced by the suffix of the cage in question, e.g. NU 203 ECP becomes NU 203 ECML (for speed ratings see page 111)

²⁾ HJ angle rings are available

Single row cylindrical roller bearings

d 150 - 170 mm
d 5.906 - 6.693 in

Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designations	
d	D	B	d	D	B	dynamic C	static C ₀	P _u	Refer- ence speed	Limiting speed	Bearing with standard cage	Bearing with standard cage	Alternative standard cage designs ¹⁾
mm			in			kN		kN	r/min		kg	–	
150	225	35	5.906	8.858	1.378	194	275	30	3 200	5 000	4.85	NU 1030 ML	M
	270	45		10.630	1.772	510	600	64	2 600	2 800	11.8	*NU 230 ECM	J. ML
	270	45		10.630	1.772	510	600	64	2 600	2 800	12	*NJ 230 ECM	J. ML
	270	45		10.630	1.772	510	600	64	2 600	2 800	12.2	*NUP 230 ECM	ML
	270	73		10.630	2.874	735	930	100	2 600	2 800	20	*NU 2230 ECM	–
	270	73		10.630	2.874	735	930	100	2 600	2 800	20.3	*NJ 2230 ECM	–
	320	65		12.598	2.559	900	965	100	2 200	2 600	27.5	*NU 330 ECM	MA
	320	65		12.598	2.559	900	965	100	2 200	2 600	28	*NJ 330 ECM	MA
	320	108		12.598	4.252	1 370	1 630	166	2 200	3 400	45.5	*NU 2330 ECMA	–
	320	108		12.598	4.252	1 370	1 630	166	2 200	3 400	46	*NJ 2330 ECMA	–
	320	108		12.598	4.252	1 370	1 630	166	2 200	3 400	46.5	*NUP 2330 ECMA	–
160	240	38	6.299	9.449	1.496	229	325	35.5	3 000	4 800	5.95	NU 1032 ML	M
	290	48		11.417	1.890	585	680	72	2 400	2 600	14.5	*NU 232 ECM	ML
	290	48		11.417	1.890	585	680	72	2 400	2 600	15	*NJ 232 ECM	ML
	290	48		11.417	1.890	585	680	72	2 400	2 600	15.5	*NUP 232 ECM	ML
	290	48		11.417	1.890	585	680	72	2 400	2 600	15.5	*N 232 ECM	–
	290	80		11.417	3.150	930	1 200	129	2 400	3 600	24	*NU 2232 ECMA	–
	290	80		11.417	3.150	930	1 200	129	2 400	3 600	24.5	*NJ 2232 ECMA	–
	340	68		13.386	2.677	1 000	1 080	112	2 000	2 400	33	*NU 332 ECM	MA
	340	68		13.386	2.677	1 000	1 080	112	2 000	2 400	33.5	*NJ 332 ECM	MA
	340	114		13.386	4.488	1 250	1 730	173	1 800	2 800	53	NU 2332 ECMA	–
	340	114		13.386	4.488	1 250	1 730	173	1 800	2 800	53.5	NJ 2332 ECMA	–
170	260	42	6.693	10.236	1.654	275	400	41.5	2 800	4 300	8.15	NU 1034 ML	M
	310	52		12.205	2.047	695	815	85	2 200	2 400	19	*NU 234 ECM	MA
	310	52		12.205	2.047	695	815	85	2 200	2 400	19.5	*NJ 234 ECM	MA
	310	52		12.205	2.047	695	815	85	2 200	2 400	20	*NUP 234 ECM	MA
	310	86		12.205	3.386	1 060	1 340	140	2 200	3 200	30	*NU 2234 ECMA	–
	360	72		14.173	2.835	952	1 180	116	1 700	2 200	37.5	NU 334 ECM	MA
	360	72		14.173	2.835	952	1 180	116	1 700	2 200	38.5	N 334 ECM	–
	360	120		14.173	4.724	1 450	2 040	204	1 700	3 000	62	NU 2334 ECMA	–
	360	120		14.173	4.724	1 450	2 040	204	1 700	3 000	63	NJ 2334 ECMA	–

* SKF Explorer bearing

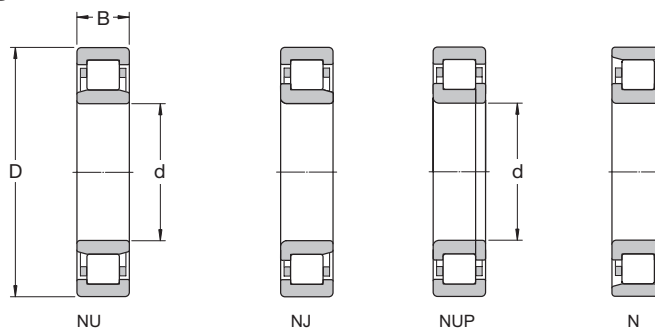
¹⁾ When ordering bearings with an alternative standard cage, the suffix of the standard cage has to be replaced by the suffix of the cage in question, e.g. NU 203 ECP becomes NU 203 ECML (for speed ratings see page 111)

²⁾ HJ angle rings are available

Single row cylindrical roller bearings

d 180 - 220 mm

d 7.087 - 8.661 in



Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designations			
d	D	B	d	D	B	dynamic C	static C ₀	P _u	Reference speed	Limiting speed	Bearing with standard cage	Bearing with standard cage	Alternative standard cage designs ¹⁾		
mm			in			kN		kN	r/min		kg	–			
180	280	46	7.087	11.024	1.811	336	475	51	2 600	4 000	10.5	NU 1036 ML	M		
	320	52		12.598	2.047	720	850	88	2 200	3 200	19.5	*NU 236 ECMA	–		
	320	52		12.598	2.047	720	850	88	2 200	3 200	20.2	*NJ 236 ECMA	–		
	320	52		12.598	2.047	720	850	88	2 200	3 200	21	*NUP 236 ECMA	–		
	320	86	12.598	3.386	1 100	1 430	146	2 200	3 200	31.5	*NU 2236 ECMA	M			
	320	86	12.598	3.386	1 100	1 430	146	2 200	3 200	32	*NJ 2236 ECMA	M			
	380	75	14.961	2.953	1 020	1 290	125	1 600	2 200	44	NU 336 ECM	–			
	380	126	14.961	4.961	1 610	2 240	216	1 600	2 800	71.5	NU 2336 ECMA	–			
	190	290	46	7.480	11.417	1.811	347	500	53	2 600	3 800	11	NU 1038 ML	–	
		340	55		13.386	2.165	800	965	98	2 000	3 000	24	*NU 238 ECMA	M	
340		55	13.386		2.165	800	965	98	2 000	3 000	24.5	*NJ 238 ECMA	M		
340		55	13.386		2.165	800	965	98	2 000	3 000	25	*NUP 238 ECMA	M		
340		92	13.386		3.622	1 220	1 600	160	2 000	3 000	39	*NU 2238 ECMA	–		
400		78	15.748		3.071	1 140	1 500	143	1 500	2 000	50	NU 338 ECM	–		
400		132	15.748		5.197	1 830	2 550	236	1 500	2 600	82.5	NU 2338 ECMA	–		
200	310	51	7.874	12.205	2.008	380	570	58.5	2 400	3 000	14.5	NU 1040 MA	M		
	360	58		14.173	2.283	850	1 020	100	1 900	2 800	28.5	*NU 240 ECMA	M		
	360	58		14.173	2.283	850	1 020	100	1 900	2 800	29	*NJ 240 ECMA	M		
	360	58		14.173	2.283	850	1 020	100	1 900	2 800	29.5	*NUP 240 ECMA	M		
	360	98		14.173	3.858	1 370	1 800	180	1 900	2 800	46	*NU 2240 ECMA	–		
	420	80		16.535	3.150	1 230	1 630	150	1 400	2 400	56	NU 340 ECMA	–		
	420	138		16.535	5.433	1 980	2 800	255	1 400	2 400	97	NU 2340 ECMA	–		
	420	138		16.535	5.433	1 980	2 800	255	1 400	2 400	98	NJ 2340 ECMA	–		
	220	340		56	8.661	13.386	2.205	495	735	73.5	2 200	2 800	19	NU 1044 MA	M
		400		65		15.748	2.559	1 060	1 290	125	1 600	2 400	38.5	*NU 244 ECMA	M
400		65	15.748	2.559		1 060	1 290	125	1 600	2 400	39	*NJ 244 ECMA	M		
400		65	15.748	2.559		1 060	1 290	125	1 600	2 400	39.5	*NUP 244 ECMA	M		
400		108	15.748	4.252		1 570	2 280	212	1 600	2 400	62.5	NU 2244 ECMA	–		
460		88	18.110	3.465		1 210	1 630	150	1 500	1 700	72.5	NU 344 M	–		
460		88	18.110	3.465		1 210	1 630	150	1 500	1 700	73.5	NJ 344 M	–		
460		145	18.110	5.709		2 380	3 450	310	1 300	2 200	120	NU 2344 ECMA	–		

* SKF Explorer bearing

¹⁾ When ordering bearings with an alternative standard cage, the suffix of the standard cage has to be replaced by the suffix of the cage in question, e.g. NU 203 ECP becomes NU 203 ECML (for speed ratings see page 111)

²⁾ HJ angle rings are available

Single row cylindrical roller bearings

d 240 - 340 mm
d 9.449 - 13.386 in

Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designations	
d	D	B	d	D	B	dynamic C	static C ₀	P _u	Reference speed	Limiting speed	Bearing with standard cage	Bearing with standard cage	Alternative standard cage designs ¹⁾
mm			in			kN		kN	r/min		kg	–	
240	360	56	9.449	14.173	2.205	523	800	78	2 000	2 600	20	NU 1048 MA	–
	440	72		17.323	2.835	952	1 370	129	1 600	2 200	51.5	NU 248 MA	–
	440	72		17.323	2.835	952	1 370	129	1 600	2 200	52.5	NJ 248 MA	–
	440	72		17.323	2.835	952	1 370	129	1 600	2 200	53.5	NUP 248 MA	–
	440	120	17.323	4.724	1 450	2 360	216	1 500	2 200	84	NU 2248 MA	–	
	440	120	17.323	4.724	1 450	2 360	216	1 500	2 200	85	NJ 2248 MA	–	
	500	95	19.685	3.740	1 450	2 000	180	1 300	1 600	94.5	NU 348 M	–	
	500	95	19.685	3.740	1 450	2 000	180	1 300	2 000	98.5	NJ 348 MA	–	
	500	155	19.685	6.102	2 600	3 650	320	1 200	2 000	155	NU 2348 ECMA	–	
	260	400	65	10.236	15.748	2.559	627	965	96.5	1 800	2 400	29.5	NU 1052 MA
480		80	18.898		3.150	1 170	1 700	156	1 400	2 000	68.5	NU 252 MA	
480		80	18.898		3.150	1 170	1 700	156	1 400	2 000	70	NJ 252 MA	
480		80	18.898		3.150	1 170	1 700	156	1 400	2 000	72	NUP 252 MA	
480		130	18.898	5.118	1 790	3 000	265	1 300	2 000	110	NU 2252 MA		
480		130	18.898	5.118	1 790	3 000	265	1 300	2 000	112	NJ 2252 MA		
540		102	21.260	4.016	1 940	2 700	236	1 100	1 800	125	NU 352 ECMA		
280		420	65	11.024	16.535	2.559	660	1 060	102	1 700	2 200	32.5	NU 1056 MA
	500	80	19.685		3.150	1 140	1 700	153	1 400	1 900	71.5	NU 256 MA	
	500	80	19.685		3.150	1 140	1 700	153	1 400	1 900	73	NJ 256 MA	
	500	130	19.685		5.118	2 200	3 250	285	1 200	1 900	115	NU 2256 ECMA	
	580	175	22.835		6.890	2 700	4 300	365	1 000	1 700	230	NU 2356 MA	
300	460	74	11.811	18.110	2.913	858	1 370	129	1 500	2 000	46.5	NU 1060 MA	
	460	74		18.110	2.913	858	1 370	129	1 500	2 000	47	NJ 1060 MA	
	540	85	21.260	3.346	1 420	2 120	183	1 300	1 800	89.5	NU 260 MA		
	540	140	21.260	5.512	2 090	3 450	300	1 200	1 800	145	NU 2260 MA		
320	480	74	12.598	18.898	2.913	880	1 430	132	1 400	1 900	48.5	NU 1064 MA	
	480	74		18.898	2.913	880	1 430	132	1 400	1 900	49	NJ 1064 MA	
	580	92	22.835	3.622	1 610	2 450	204	1 200	1 600	115	NU 264 MA		
	580	150	22.835	5.906	3 190	5 000	415	1 000	1 600	180	NU 2264 ECMA		
340	520	82	13.386	20.472	3.228	1 080	1 760	156	1 300	1 700	65	NU 1068 MA	
	520	82		20.472	3.228	1 080	1 760	156	1 300	1 700	68	NJ 1068 MA	
	620	165		24.409	6.496	2 640	4 500	365	1 000	1 500	220	NU 2268 MA	

* SKF Explorer bearing

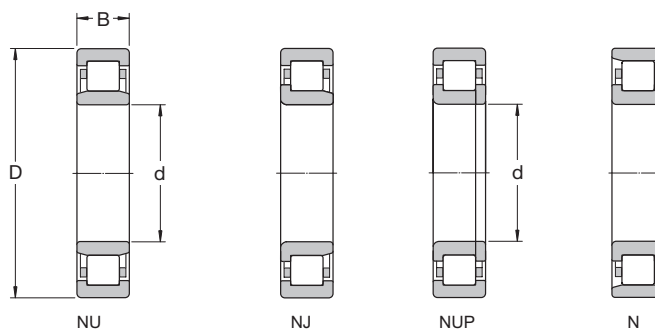
¹⁾ When ordering bearings with an alternative standard cage, the suffix of the standard cage has to be replaced by the suffix of the cage in question, e.g. NU 203 ECP becomes NU 203 ECML (for speed ratings see page 111)

²⁾ HJ angle rings are available

Single row cylindrical roller bearings

d 360 - 530 mm

d 14.173 - 20.866 in



Principal dimensions						Basic load ratings		Fatigue load limit P_u	Speed ratings		Mass Bearing with standard cage	Designations	
d	D	B	d	D	B	dynamic C	static C_0		Reference speed	Limiting speed		Bearing with standard cage	Bearing with standard cage
mm			in			kN		kN	r/min		kg	–	
360	540	82	14.173	21.260	3.228	1 100	1 830	163	1 3000	1 600	67.5	NU 1072 MA NU 2272 MA	
	650	170		25.591	6.693	2 920	4 900	400	950	1 400	250		
380	560	82	14.961	22.047	3.228	1 140	1 930	170	1 200	1 600	71	NU 1076 MA NJ 1076 MA NU 2276 ECMA	
	560	82		22.047	3.228	1 140	1 930	170	1 200	1 600	73		
	680	175		26.772	6.890	3 140	5 500	440	900	1 600	275		
400	600	90	15.748	23.622	3.543	1 380	2 320	204	1 100	1 500	92.5	NU 1080 MA	
420	620	90	16.535	24.409	3.543	1 420	2 450	212	1 100	1 400	96	NU 1084 MA	
440	650	94	17.323	25.591	3.701	1 510	2 650	212	1 000	1 300	105	NU 1088 MA	
460	680	100	18.110	26.772	3.937	1 650	2 850	224	950	1 200	115	NU 1092 MA NU 1292 MA NU 2292 MA	
	830	165		32.677	6.496	4 180	6 800	510	750	1 100	415		
	830	212		32.677	8.346	5 120	8 650	655	700	1 100	530		
480	700	100	18.898	27.559	3.937	1 680	3 000	232	900	1 200	130	NU 1096 MA	
500	720	100	19.685	28.346	3.937	1 720	3 100	236	900	1 100	135	NU 10/500 MA NU 12/500 MA	
	920	185		36.220	7.283	5 280	8 500	620	670	950	585		
530	780	112	20.866	30.709	4.409	2 290	4 050	305	800	1 000	190	NU 10/530 MA NU 20/530 ECMA	
	780	145		30.709	5.709	3 740	7 350	550	670	1 000	255		

* SKF Explorer bearing

¹⁾ When ordering bearings with an alternative standard cage, the suffix of the standard cage has to be replaced by the suffix of the cage in question, e.g. NU 203 ECP becomes NU 203 ECML (for speed ratings see page 111)

²⁾ HJ angle rings are available

Single row cylindrical roller bearings

d 560 - 800 mm
d 22.047 - 31.496 in

Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designations	
d	D	B	d	D	B	dynamic C	static C ₀	P _u	Refer- ence speed	Limiting speed	Bearing with standard cage	Bearing with standard cage	Alternative standard cage designs ¹⁾
mm			in			kN		kN	r/min		kg	–	
560	820	115	22.047	32.283	4.528	2 330	4 250	310	750	1 000	210	NU 10/560 MA	
	820	150		32.283	5.906	3 800	7 650	560	630	1 000	290	NU 20/560 ECMA	
	1 030	206		40.551	8.110	7 210	11 200	780	560	800	805	NU 12/560 MA	
600	870	118	23.622	34.252	4.646	2 750	5 100	365	700	900	245	NU 10/600 N2MA	
	870	155		34.252	6.102	4 180	8 000	570	600	900	325	NU 20/600 ECMA	
	1 090	155		42.913	6.102	5 610	9 800	670	480	850	710	NU 20/600 ECMA/HB1	
630	920	128	24.803	36.220	5.039	3 410	6 200	430	630	1 000	285	NU 10/630 ECN2MA	
	920	170		36.220	6.693	4 730	9 500	670	560	850	400	NU 20/630 ECMA	
	1 150	230		45.276	9.055	8 580	13 700	915	450	700	1 100	NU 12/630 ECMA	
670	980	136	26.378	38.583	5.354	3 740	6 800	465	530	800	350	NU 10/670 ECMA	
	980	180		38.583	7.087	5 390	11 000	750	500	800	480	NU 20/670 ECMA	
710	1 030	140	27.953	40.551	5.512	4 680	8 500	570	500	750	415	NU 10/710 ECN2MA	
	1 030	185		40.551	7.283	5 940	12 000	815	480	700	540	NU 20/710 ECMA	
750	1 090	150	29.528	42.913	5.906	4 730	8 800	585	430	670	490	NU 10/750 ECN2MA	
	1 090	195		42.913	7.677	7 040	14 600	980	430	670	635	NU 20/750 ECMA	
800	1 150	200	31.496	45.276	7.874	7 040	14 600	950	400	630	715	NU 20/800 ECMA	

* SKF Explorer bearing

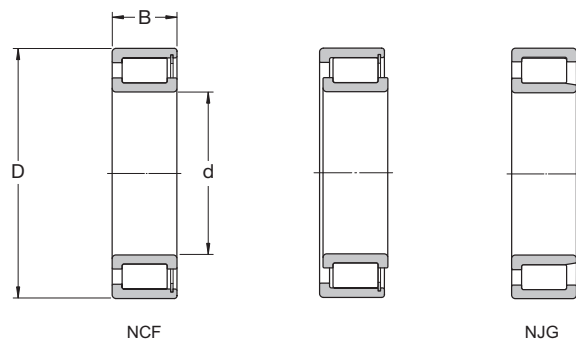
¹⁾ When ordering bearings with an alternative standard cage, the suffix of the standard cage has to be replaced by the suffix of the cage in question, e.g. NU 203 ECP becomes NU 203 ECML (for speed ratings see page 111)

²⁾ HJ angle rings are available

Single row full complement cylindrical roller bearings

d 20 - 90 mm

d 0.787 - 3.543 in



Principal dimensions						Basic load ratings		Fatigue load limit P_u	Speed ratings		Mass	Designation				
d	D	B	d	D	B	dynamic	static		Reference speed	Limiting speed						
			in			kN		kN	r/min	kg	-					
20	42	16	0.787	1.654	0.630	28.1	28.5	3.1	8 500	10 000	0.11	NCF 3004 CV				
25	47	16	0.984	1.850	0.630	31.9	35.5	3.8	7 000	9 000	0.12	NCF 3005 CV				
		62		24	2.441	0.945	68.2		68	8.5			4 500	5 600	0.38	NJG 2305 VH
30	55	19	1.181	2.165	0.748	39.6	44	5	6 000	7 500	0.2	NCF 3006 CV				
		72		27	2.835	1.063	84.2		86.5	11			4 000	4 800	0.56	NJG 2306 VH
35	62	20	1.378	2.441	0.787	48.4	56	6.55	5 300	6 700	0.26	NCF 3007 CV				
		80		31	3.150	1.220	108		114	14.3			3 400	4 300	0.75	NJG 2307 VH
40	68	21	1.575	2.677	0.827	57.2	69.5	8.15	4 800	6 000	0.31	NCF 3008 CV				
		90		33	3.543	1.299	145		156	20			3 000	3 600	1	NJG 2308 VH
45	75	23	1.772	2.953	0.906	60.5	78	9.15	4 300	5 300	0.4	NCF 3009 CV				
		100		36	3.937	1.417	172		196	25.5			2 800	3 400	1.45	NJG 2309 VH
50	80	23	1.969	3.150	0.906	76.5	98	11.8	4 000	5 000	0.43	NCF 3010 CV				
55	90	26	2.165	3.543	1.024	105	140	17.3	3 400	4 300	0.64	NCF 3011 CV				
		120		43	4.724	1.693	233		260	33.5			2 200	2 800	2.3	NJG 2311 VH
60	85	16	2.362	3.346	0.630	55	80	9.15	3 600	4 500	0.29	NCF 2912 CV				
		95		26	3.740	1.024	106		146	18.3			3 400	4 000	0.69	NCF 3012 CV
65	90	16	2.559	3.543	0.630	58.3	88	10.2	3 200	4 000	0.31	NCF 2913 CV				
		100		26	3.937	1.024	112		163	20			3 000	3 800	0.73	NCF 3013 CV
		140		48	5.512	1.890	303		360	46.5			1 900	2 400	3.55	NJG 2313 VH
70	100	19	2.756	3.937	0.748	76.5	116	13.7	3 000	3 800	0.49	NCF 2914 CV				
		110		30	4.331	1.181	128		173	22.4			2 800	3 600	1.02	NCF 3014 CV
		150		51	5.906	2.008	336		400	50			1 800	2 200	4.4	NJG 2314 VH
75	105	19	2.953	4.134	0.748	79.2	125	14.6	2 800	3 600	0.52	NCF 2915 CV				
		115		30	4.528	1.181	134		190	24.5			2 600	3 200	1.06	NCF 3015 CV
		160		55	6.299	2.165	396		480	60			1 600	2 000	5.35	NJG 2315 VH
80	110	19	3.150	4.331	0.748	80.9	132	15.6	2 600	3 400	0.55	NCF 2916 CV				
		125		34	4.921	1.339	165		228	29			2 400	3 000	1.43	NCF 3016 CV
		170		58	6.693	2.283	457		570	71			1 500	1 900	6.4	NJG 2316 VH
85	120	22	3.346	4.724	0.866	102	166	20	2 600	3 200	0.81	NCF 2917 CV				
		130		34	5.118	1.339	172		236	30			2 400	3 000	1.51	NCF 3017 CV
		180		60	7.087	2.362	484		620	76.5			1 400	1 800	7.4	NJG 2317 VH
90	125	22	3.543	4.921	0.866	106	176	20.8	2 400	3 000	0.84	NCF 2918 CV				
		140		37	5.512	1.457	198		280	35.5			2 200	2 800	1.97	NCF 3018 CV
		190		64	7.480	2.520	528		670	81.5			1 400	1 800	8.75	NJG 2318 VH

Single row full complement cylindrical roller bearings

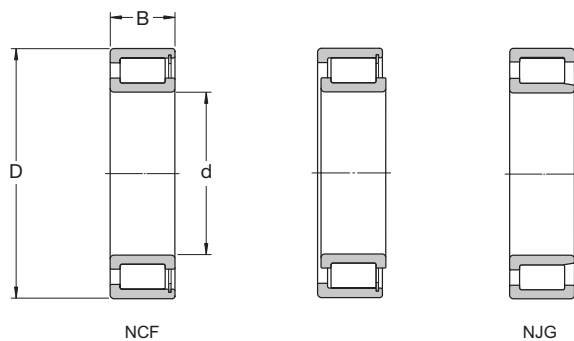
d 100 - 200 mm
d 3.937 - 7.874 in

Principal dimensions						Basic load ratings		Fatigue load limit P _u	Speed ratings		Mass kg	Designation
d	D	B	d	D	B	dynamic	static		Refer- ence speed	Limiting speed		
			in				kN		kN	r/min		–
mm												
100	140	24	3.937	5.512	0.945	128	200	24.5	2 200	2 600	1.14	NCF 2920 CV
	150	37		5.906	1.457	209	310	37.5	2 000	2 600	2.15	NCF 3020 CV
	215	73		8.465	2.874	682	865	104	1 200	1 500	13	NJG 2320 VH
110	150	24	4.331	5.906	0.945	134	220	26	1 900	2 400	1.23	NCF 2922 CV
	170	45		6.693	1.772	275	400	47.5	1 800	2 200	3.5	NCF 3022 CV
	240	80		9.449	3.150	858	1 060	122	1 100	1 300	17.5	NJG 2322 VH
120	165	27	4.724	6.496	1.063	172	290	34.5	1 800	2 200	1.73	NCF 2924 CV
	180	46		7.087	1.811	292	440	52	1 700	2 000	3.8	NCF 3024 CV
	215	58		8.465	2.283	512	735	85	1 400	1 700	9.05	NCF 2224 V
	260	86		10.236	3.386	952	1 250	140	1 000	1 200	22.5	NJG 2324 VH
130	180	30	5.118	7.087	1.181	205	360	40.5	1 600	2 000	2.33	NCF 2926 CV
	200	52		7.874	2.047	413	620	72	1 500	1 900	5.8	NCF 3026 CV
	280	93		11.024	3.661	1 080	1 430	156	950	1 200	28	NJG 2326 VH
140	190	30	5.512	7.480	1.181	220	390	43	1 500	1 900	2.42	NCF 2928 CV
	210	53		8.268	2.087	440	680	78	1 400	1 800	6.1	NCF 3028 CV
	250	68		9.843	2.677	693	1 020	114	1 200	1 500	14.5	NCF 2228 V
	300	102		11.811	4.016	1 210	1 600	173	850	1 100	35.5	NJG 2328 VH
150	210	36	5.906	8.268	1.417	292	490	55	1 400	1 700	3.77	NCF 2930 CV
	225	56		8.858	2.205	457	710	80	1 300	1 600	7.5	NCF 3030 CV
	270	73		10.630	2.874	792	1 180	132	1 100	1 400	18.4	NCF 2230 V
	320	108		12.598	4.252	1 450	1 930	196	800	1 000	42.5	NJG 2330 VH
160	220	36	6.299	8.661	1.417	303	530	58.5	1 300	1 600	4	NCF 2932 CV
	240	60		9.449	2.362	512	800	90	1 200	1 500	9.1	NCF 3032 CV
	290	80		11.417	3.150	990	1 500	160	950	1 200	23	NCF 2232 V
170	230	36	6.693	9.055	1.417	314	560	60	1 200	1 500	4.3	NCF 2934 CV
	260	67		10.236	2.638	671	1 060	118	1 100	1 400	12.5	NCF 3034 CV
	310	86		12.205	3.386	1 100	1 700	176	900	1 100	28.7	NCF 2234 V
	360	120		14.173	4.724	1 760	2 450	236	700	900	59.5	NJG 2334 VH
180	250	42	7.087	9.843	1.654	391	695	75	1 100	1 400	6.2	NCF 2936 CV
	280	74		11.024	2.913	781	1 250	134	1 100	1 300	16.5	NCF 3036 CV
	380	126		14.961	4.961	1 870	2 650	255	670	800	69.5	NJG 2336 VH
190	260	42	7.480	10.236	1.654	440	780	81.5	1 100	1 400	6.5	NCF 2938 CV
	290	75		11.417	2.953	792	1 290	140	1 000	1 300	17	NCF 3038 CV
	340	92		13.386	3.622	1 250	1 900	196	800	1 000	35.7	NCF 2238 V
	400	132		15.748	5.197	2 160	3 000	280	630	800	80	NJG 2338 VH
200	250	24	7.874	9.843	0.945	176	335	32.5	1 100	1 400	2.6	NCF 1840 V
	280	48		11.024	1.890	528	965	100	1 000	1 300	9.1	NCF 2940 CV
	310	82		12.205	3.228	913	1 530	160	950	1 200	22.5	NCF 3040 CV
	420	138		16.535	5.433	2 290	3 200	290	600	750	92	NJG 2340 VH

Single row full complement cylindrical roller bearings

d 220 - 420 mm

d 8.661 - 16.535 in



Principal dimensions						Basic load ratings		Fatigue load limit P_u	Speed ratings		Mass	Designation
d	D	B	d	D	B	dynamic	static		Reference speed	Limiting speed		
			in			kN		kN	r/min	kg	-	
220	270	24	8.661	10.630	0.945	183	365	34.5	1 000	1 200	2.85	NCF 1844 V
	300	48		11.811	1.890	550	1 060	108	950	1 200	9.9	NCF 2944 CV
	340	90		13.386	3.543	1 080	1 800	186	850	1 100	29.5	NCF 3044 CV
	400	108		15.748	4.252	1 830	2 750	255	700	850	58	NCF 2244 V
	460	145		18.110	5.709	2 550	3 550	320	530	670	111	NJG 2344 VH
240	300	28	9.449	11.811	1.102	260	510	47.5	900	1 100	4.4	NCF 1848 V
	320	48		12.598	1.890	583	1 140	114	850	1 100	10.6	NCF 2948 CV
	360	92		14.173	3.622	1 140	1 960	200	800	1 000	32	NCF 3048 CV
	500	155		19.685	6.102	2 810	3 900	345	500	630	147	NJG 2348 VH
260	320	28	10.236	12.598	1.102	270	550	50	800	1 000	4.75	NCF 1852 V
	360	60		14.173	2.362	748	1 430	143	750	950	18.5	NCF 2952 CV
	400	104		15.748	4.094	1 540	2 550	250	700	900	46.5	NCF 3052 CV
	540	165		21.260	6.496	3 410	4 800	415	430	530	177	NJG 2352 VH
280	350	33	11.024	13.780	1.299	341	695	64	750	950	7.1	NCF 1856 V
	380	60		14.961	2.362	880	1 730	166	700	900	19.7	NCF 2956 CV
	420	106		16.535	4.173	1 570	2 650	260	670	850	50	NCF 3056 CV
300	380	38	11.811	14.961	1.496	418	850	75	670	850	10	NCF 1860 V
	420	72		16.535	2.835	1 120	2 200	208	670	800	31.2	NCF 2960 CV
	460	118		18.110	4.646	1 900	3 250	300	600	750	69	NCF 3060 CV
320	400	38	12.598	15.748	1.496	440	900	80	630	800	10.5	NCF 1864 V
	440	72		17.323	2.835	1 170	2 360	220	600	750	32.9	NCF 2964 CV
	480	121		18.898	4.764	1 980	3 450	310	560	700	74.5	NCF 3064 CV
340	420	38	13.386	16.535	1.496	446	950	83	600	750	11	NCF 1868 V
	460	72		18.110	2.835	1 190	2 500	228	560	700	35	NCF 2968 CV
	520	133		20.472	5.236	2 380	4 150	355	530	670	100	NCF 3068 CV
360	440	38	14.173	17.323	1.496	402	900	76.5	560	700	11.5	NCF 1872 V
	480	72		18.898	2.835	1 230	2 600	240	530	670	36.5	NCF 2972 CV
	540	134		21.260	5.276	2 420	4 300	365	500	630	105	NCF 3072 CV
380	480	46	14.961	18.898	1.811	627	1 290	114	530	670	19.5	NCF 1876 V
	520	82		20.472	3.228	1 570	3 250	300	500	630	52.5	NCF 2976 CV
	560	135		22.047	5.315	2 510	4 550	380	480	600	110	NCF 3076 CV
400	500	46	15.748	19.685	1.811	627	1 340	118	500	630	20.5	NCF 1880 V
	540	82		21.260	3.228	1 650	3 450	310	480	600	54.5	NCF 2980 CV
	600	148		23.622	5.827	2 970	5 500	450	450	560	145	NCF 3080 CV
420	520	46	16.535	20.472	1.811	660	1 430	122	480	600	21	NCF 1884 V
	560	82		22.047	3.228	1 650	3 600	315	450	560	57	NCF 2984 CV
	620	150		24.409	5.906	3 030	5 700	455	430	530	150	NCF 3084 CV

Single row full complement cylindrical roller bearings

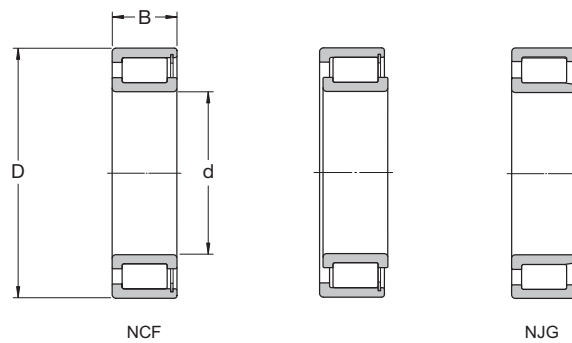
d 440 - 750 mm
d 17.323 - 29.528 in

Principal dimensions						Basic load ratings		Fatigue load limit P _u	Speed ratings		Mass	Designation
d	D	B	d	D	B	dynamic	static		Refer- ence speed	Limiting speed		
			in			kN		kN	r/min	kg	-	
440	540	46	17.323	21.260	1.811	671	1 460	125	450	560	22	NCF 1888 V
	540	60		21.260	2.362	968	2 360	204	450	560	29	NCF 2888 V
	600	95		23.622	3.740	2 010	4 400	380	430	530	80.5	NCF 2988 V
	650	157		25.591	6.181	3 580	6 550	520	400	500	175	NCF 3088 CV
460	580	56	18.110	22.835	2.205	913	1 960	163	430	530	34	NCF 1892 V
	580	72		22.835	2.835	1 300	3 050	260	430	530	44	NCF 2892 V
	620	95		24.409	3.740	2 050	4 500	390	400	500	83.5	NCF 2992 V
	680	163		26.772	6.417	3 690	6 950	540	380	480	195	NCF 3092 CV
480	600	56	18.898	23.622	2.205	935	2 040	170	400	500	35.5	NCF 1896 V
	600	72		23.622	2.835	1 320	3 150	265	400	500	46	NCF 2896 V
	650	100		25.591	3.937	2 290	4 900	405	380	480	98	NCF 2996 V
	700	165		27.559	6.496	3 740	7 200	550	360	450	205	NCF 3096 CV
500	620	56	19.685	24.409	2.205	952	2 120	173	380	480	36.5	NCF 18/500 V
	620	72		24.409	2.835	1 340	3 350	275	380	480	48	NCF 28/500 V
	670	100		26.378	3.937	2 330	5 000	415	380	450	100	NCF 29/500 V
	720	167		28.346	6.575	3 800	7 500	570	360	450	215	NCF 30/500 CV
530	650	56	20.866	25.591	2.205	990	2 240	180	360	450	38.5	NCF 18/530 V
	650	72		25.591	2.835	1 400	3 450	285	360	450	49.5	NCF 28/530 V
	710	106		27.953	4.173	2 640	6 100	480	340	430	120	NCF 29/530 V
	780	185		30.709	7.283	5 230	10 600	780	320	400	300	NCF 30/530 V
560	680	56	22.047	26.772	2.205	1 020	2 360	186	340	430	40.5	NCF 18/560 V
	680	72		26.772	2.835	1 420	3 650	300	340	430	54	NCF 28/560 V
	750	112		29.528	4.409	3 080	6 700	500	320	400	140	NCF 29/560 V
	820	195		32.283	7.677	5 830	11 800	865	300	380	345	NCF 30/560 V
600	730	60	23.622	28.740	2.362	1 050	2 550	196	320	400	51.5	NCF 18/600 V
	730	78		28.740	3.071	1 570	4 300	340	320	400	67.5	NCF 28/600 V
	800	118		31.496	4.646	3 190	7 100	520	300	380	170	NCF 29/600 V
630	780	69	24.803	30.709	2.717	1 250	2 900	232	300	360	72.5	NCF 18/630 V
	780	88		30.709	3.465	1 870	5 000	390	300	360	92.5	NCF 28/630 V
	850	128		33.465	5.039	3 740	8 650	610	280	340	205	NCF 29/630 V
670	820	69	26.378	32.283	2.717	1 300	3 150	245	280	340	76.5	NCF 18/670 V
	820	88		32.283	3.465	1 940	5 300	415	280	340	97.5	NCF 28/670 V
	900	136		35.433	5.354	3 910	9 000	630	260	320	245	NCF 29/670 V
710	870	74	27.953	34.252	2.913	1 540	3 750	285	260	320	92.5	NCF 18/710 V
	870	95		34.252	3.740	2 330	6 300	480	260	320	115	NCF 28/710 V
	950	140		37.402	5.512	4 290	10 000	695	240	300	275	NCF 29/710 V
750	920	78	29.528	36.220	3.071	1 870	4 500	335	240	300	110	NCF 18/750 V
	920	100		36.220	3.937	2 640	6 950	520	240	300	140	NCF 28/750 V
	1 000	145		39.370	5.709	4 460	10 600	710	220	280	315	NCF 29/750 V

Single row full complement cylindrical roller bearings

d 800 - 1 120 mm

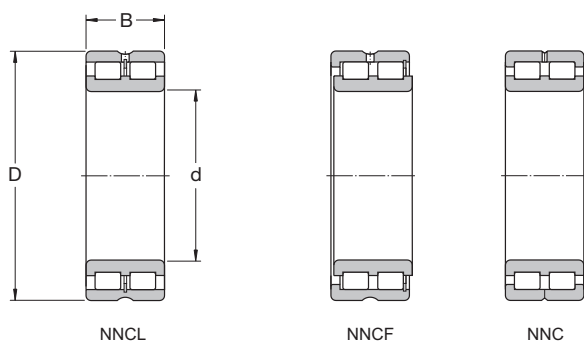
d 31.496 - 44.094 in



Principal dimensions						Basic load ratings		Fatigue load limit P_u	Speed ratings		Mass	Designation
d	D	B	d	D	B	dynamic	static		Reference speed	Limiting speed		
mm			in			kN		kN	r/min	kg	—	
800	980	82	31.496	38.583	3.228	1 940	4 800	345	220	280	130	NCF 18/800 V
	980	106		38.583	4.173	2 750	7 500	550	220	280	165	NCF 28/800 V
	1 060	150		41.732	5.906	4 950	12 200	800	200	260	360	NCF 29/800 V
850	1 030	82	33.465	40.551	3.228	2 010	5 100	365	200	260	135	NCF 18/850 V
	1 030	106		40.551	4.173	2 860	8 000	570	200	260	175	NCF 28/850 V
	1 120	155		44.094	6.102	5 230	12 700	830	190	240	405	NCF 29/850 V
900	1 090	85	35.433	42.913	3.346	2 380	6 000	425	190	240	160	NCF 18/900 V
	1 090	112		42.913	4.409	3 190	9 150	655	190	240	208	NCF 28/900 V
	1 180	165		46.457	6.496	5 940	14 600	950	170	220	472	NCF 29/900 V
950	1 150	90	37.402	45.276	3.543	2 420	6 300	440	170	220	185	NCF 18/950 V
	1 150	118		45.276	4.646	3 410	9 800	655	170	220	240	NCF 28/950 V
	1 250	175		49.213	6.890	6 600	16 300	1 020	160	200	565	NCF 29/950 V
1 000	1 220	100	39.370	48.031	3.937	2 920	7 500	455	160	200	230	NCF 18/1000 V
	1 320	185		51.968	7.283	7 480	18 600	1 160	150	190	680	NCF 29/1000 V
1 120	1 360	106	44.094	53.543	4.173	3 740	9 650	585	130	170	298	NCF 18/1120 V

Double row full complement cylindrical roller bearings

d 20 - 100 mm
d 0.787 - 3.937 in

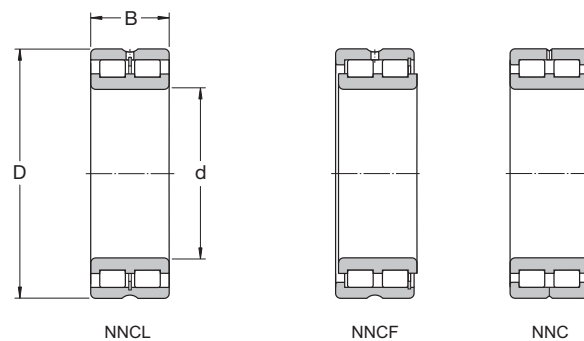


Principal dimensions						Basic load ratings		Fatigue load limit P_u	Speed ratings		Mass	Designation
d	D	B	d	D	B	dynamic	static		Refer-ence speed	Limiting speed		
mm			in			kN		kN	r/min	kg	—	
20	42	30	0.787	1.654	1.181	52.3	57	6.2	8 500	10 000	0.2	NNCF 5004 CV
25	47	30	0.984	1.850	1.181	59.4	71	7.65	7 000	9 000	0.23	NNCF 5005 CV
30	55	34	1.181	2.165	1.339	73.7	88	10	6 000	7 500	0.35	NNCF 5006 CV
35	62	36	1.378	2.441	1.417	89.7	112	12.9	5 300	6 700	0.46	NNCF 5007 CV
40	68	38	1.575	2.677	1.496	106	140	16.3	4 800	6 000	0.56	NNCF 5008 CV
45	75	40	1.772	2.953	1.575	112	156	18.3	4 300	5 300	0.71	NNCF 5009 CV
50	80	40	1.969	3.150	1.575	142	196	23.6	4 000	5 000	0.76	NNCF 5010 CV
55	90	46	2.165	3.543	1.811	190	280	34.5	3 400	4 300	1.16	NNCF 5011 CV
60	85	25	2.362	3.346	0.984	78.1	137	14.3	3 600	4 500	0.49	NNCF 4912 CV
	85	25		3.346	0.984	78.1	137	14.3	3 600	4 500	0.49	NNC 4912 CV
	85	25		3.346	0.984	78.1	137	14.3	3 600	4 500	0.49	NNCL 4912 CV
	95	46		3.740	1.811	198	300	36.5	3 400	4 000	1.24	NNCF 5012 CV
65	100	46	2.559	3.937	1.811	209	325	40	3 000	3 800	1.32	NNCF 5013 CV
70	100	30	2.756	3.937	1.181	114	193	22.4	3 000	3 800	0.78	NNCF 4914 CV
	100	30		3.937	1.181	114	193	22.4	3 000	3 800	0.78	NNC 4914 CV
	100	30		3.937	1.181	114	193	22.4	3 000	3 800	0.78	NNCL 4914 CV
	110	54		4.331	2.126	238	345	45	2 800	3 600	1.85	NNCF 5014 CV
75	115	54	2.953	4.528	2.126	251	380	49	2 600	3 200	1.93	NNCF 5015 CV
80	110	30	3.150	4.331	1.181	121	216	25	2 600	3 400	0.88	NNCF 4916 CV
	110	30		4.331	1.181	121	216	25	2 800	3 400	0.88	NNC 4916 CV
	110	30		4.331	1.181	121	216	25	2 600	3 400	0.88	NNCL 4916 CV
	125	60		4.921	2.362	308	455	58.5	2 400	3 000	2.59	NNCF 5016 CV
85	130	60	3.346	5.118	2.362	314	475	60	2 400	3 000	2.72	NNCF 5017 CV
90	125	35	3.543	4.921	1.378	161	300	35.5	2 400	3 000	1.35	NNCF 4918 CV
	125	35		4.921	1.378	161	300	35.5	2 400	3 000	1.35	NNC 4918 CV
	125	35		4.921	1.378	161	300	35.5	2 400	3 000	1.35	NNCL 4918 CV
	140	67		5.512	2.638	369	560	69.5	2 200	2 800	3.62	NNCF 5018 CV
100	140	40	3.937	5.512	1.575	209	400	46.5	2 000	2 600	2	NNCF 4920 CV
	140	40		5.512	1.575	209	400	46.5	2 000	2 600	1.95	NNC 4920 CV
	140	40		5.512	1.575	209	400	46.5	2 000	2 600	1.95	NNCL 4920 CV
	150	67		5.906	2.638	391	620	75	2 000	2 600	3.94	NNCF 5020 CV

Double row full complement cylindrical roller bearings

d 110 - 170 mm

d 4.331 - 6.693 in



Principal dimensions						Basic load ratings		Fatigue load limit P_u	Speed ratings		Mass kg	Designation
d	D	B	d	D	B	dynamic	static		Reference speed	Limiting speed		
mm			in			kN		kN	r/min			—
110	150	40	4.331	5.906	1.575	220	430	49	1 900	2 400	2.15	NNCF 4922 CV
	150	40		5.906	1.575	220	430	49	1 900	2 400	2.15	NNC 4922 CV
	150	40	5.906	1.575	220	430	49	1 900	2 400	2.15	NNCL 4922 CV	
	170	80	6.693	3.150	512	800	95	1 800	2 200	6.32	NNCF 5022 CV	
120	165	45	4.724	6.496	1.772	242	480	53	1 700	2 200	2.95	NNCF 4924 CV
	165	45		6.496	1.772	242	480	53	1 700	2 200	2.95	NNC 4924 CV
	165	45	6.496	1.772	242	480	53	1 700	2 200	2.95	NNCL 4924 CV	
	180	80	7.087	3.150	539	880	104	1 700	2 000	6.77	NNCF 5024 CV	
130	180	50	5.118	7.087	1.969	275	530	60	1 600	2 000	3.95	NNCF 4926 CV
	180	50		7.087	1.969	275	530	60	1 600	2 000	3.95	NNC 4926 CV
	180	50	7.087	1.969	275	530	60	1 600	2 000	3.95	NNCL 4926 CV	
	200	95	7.874	3.740	765	1 250	143	1 500	1 900	10.2	NNCF 5026 CV	
140	190	50	5.512	7.480	1.969	286	570	63	1 500	1 900	4.2	NNCF 4928 CV
	190	50		7.480	1.969	286	570	63	1 500	1 900	4.2	NNC 4928 CV
	190	50	7.480	1.969	286	570	63	1 500	1 900	4.2	NNCL 4928 CV	
	210	95	8.268	3.740	809	1 370	156	1 400	1 800	11.1	NNCF 5028 CV	
150	190	40	5.906	7.480	1.575	255	585	60	1 500	1 800	2.7	NNCF 4830 CV
	190	40		7.480	1.575	255	585	60	1 500	1 800	2.9	NNC 4830 CV
	190	40	7.480	1.575	255	585	60	1 500	1 800	2.7	NNCL 4830 CV	
	210	60	8.268	2.362	429	830	91.5	1 400	1 700	6.65	NNCF 4930 CV	
	210	60	8.268	2.362	429	830	91.5	1 400	1 700	6.65	NNC 4930 CV	
	210	60	8.268	2.362	429	830	91.5	1 400	1 700	6.65	NNCL 4930 CV	
	225	100	8.858	3.937	842	1 430	160	1 300	1 700	13.3	NNCF 5030 CV	
	160	200	40	6.299	7.874	1.575	260	610	62	1 400	1 700	2.9
200	40	7.874	1.575		260	610	62	1 400	1 700	3.1	NNC 4832 CV	
200	40	7.874	1.575	260	610	62	1 400	1 700	2.9	NNCL 4832 CV		
220	60	8.661	2.362	446	915	96.5	1 300	1 600	7	NNCF 4932 CV		
220	60	8.661	2.362	446	915	96.5	1 300	1 600	7	NNC 4932 CV		
220	60	8.661	2.362	446	915	96.5	1 300	1 600	7	NNCL 4932 CV		
240	109	9.449	4.291	952	1 600	180	1 200	1 500	16.2	NNCF 5032 CV		
170	215	45	6.693	8.465	1.772	286	655	65.5	1 300	1 600	3.9	NNCF 4834 CV
	215	45		8.465	1.772	286	655	65.5	1 300	1 600	4.1	NNC 4834 CV
	215	45	8.465	1.772	286	655	65.5	1 300	1 600	3.9	NNCL 4834 CV	
	230	60	9.055	2.362	457	950	100	1 200	1 500	7.35	NNCF 4934 CV	
	230	60	9.055	2.362	457	950	100	1 200	1 500	7.35	NNC 4934 CV	
	230	60	9.055	2.362	457	950	100	1 200	1 500	7.35	NNCL 4934 CV	
	260	122	10.236	4.803	1 230	2 120	236	1 100	1 400	23	NNCF 5034 CV	

Double row full complement cylindrical roller bearings

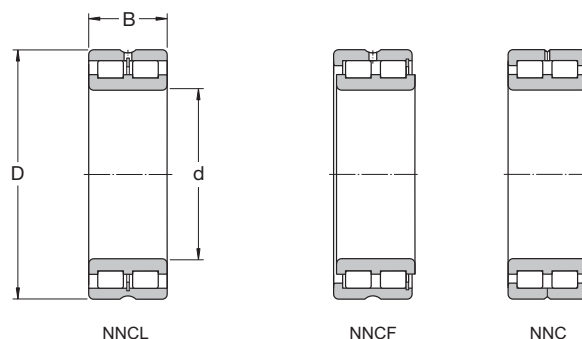
d 180 - 240 mm
d 7.087 - 9.449 in

Principal dimensions						Basic load ratings		Fatigue load limit P _u	Speed ratings		Mass	Designation		
d	D	B	d	D	B	dynamic	static		Refer- ence speed	Limiting speed				
			in			kN		kN	r/min	kg	—			
180	225	45	7.087	8.858	1.772	297	695	69.5	1 200	1 500	4	NNCF 4836 CV		
	225	45		8.858	1.772	297	695	69.5	1 200	1 500	4.3	NNC 4836 CV		
	225	45		8.858	1.772	297	695	69.5	1 200	1 500	4	NNCL 4836 CV		
		250	69		9.843	2.717	594	1 220	127	1 100	1 400	10.8	NNCF 4936 CV	
		250	69		9.843	2.717	594	1 220	127	1 100	1 400	10.8	NNC 4936 CV	
		250	69		9.843	2.717	594	1 220	127	1 100	1 400	10.8	NNCL 4936 CV	
		280	136		11.024	5.354	1 420	2 500	270	1 100	1 300	30.5	NNCF 5036 CV	
	190	240	50	7.480	9.449	1.969	330	750	76.5	1 100	1 400	5.3	NNCF 4838 CV	
		240	50		9.449	1.969	330	750	76.5	1 100	1 400	5.65	NNC 4838 CV	
		240	50		9.449	1.969	330	750	76.5	1 100	1 400	5.3	NNCL 4838 CV	
			260	69		10.236	2.717	605	1 290	132	1 100	1 400	11.2	NNCF 4938 CV
			260	69		10.236	2.717	605	1 290	132	1 100	1 400	11.2	NNC 4938 CV
		260	69		10.236	2.717	605	1 290	132	1 100	1 400	11.2	NNCL 4938 CV	
		290	136		11.417	5.354	1 470	2 600	280	1 000	1 300	31.5	NNCF 5038 CV	
200		250	50	7.874	9.843	1.969	336	800	80	1 100	1 400	5.5	NNCF 4840 CV	
		250	50		9.843	1.969	336	800	80	1 100	1 400	5.9	NNC 4840 CV	
		250	50		9.843	1.969	336	800	80	1 100	1 400	5.5	NNCL 4840 CV	
			280	80		11.024	3.150	704	1 500	153	1 000	1 300	15.8	NNCF 4940 CV
			280	80		11.024	3.150	704	1 500	153	1 000	1 300	15.8	NNC 4940 CV
		280	80		11.024	3.150	704	1 500	153	1 000	1 300	15.8	NNCL 4940 CV	
		310	150		12.205	5.906	1 680	3 050	320	950	1 200	41	NNCF 5040 CV	
	220	270	50	8.661	10.630	1.969	352	865	85	1 000	1 200	5.9	NNCF 4844 CV	
		270	50		10.630	1.969	352	865	85	1 000	1 200	6.4	NNC 4844 CV	
		270	50		10.630	1.969	352	865	85	1 000	1 200	5.9	NNCL 4844 CV	
			300	80		11.811	3.150	737	1 600	160	950	1 200	17.2	NNCF 4944 CV
			300	80		11.811	3.150	737	1 600	160	950	1 200	17.2	NNC 4944 CV
		300	80		11.811	3.150	737	1 600	160	950	1 200	17.2	NNCL 4944 CV	
		340	160		13.386	6.299	2 010	3 600	375	850	1 100	52.5	NNCF 5044 CV	
240		300	60	9.449	11.811	2.362	539	1 290	125	900	1 100	9.1	NNCF 4848 CV	
		300	60		11.811	2.362	539	1 290	125	900	1 100	10	NNC 4848 CV	
		300	60		11.811	2.362	539	1 290	125	900	1 100	9.1	NNCL 4848 CV	
			320	80		12.598	3.150	781	1 760	173	850	1 100	18.5	NNCF 4948 CV
			320	80		12.598	3.150	781	1 760	173	850	1 100	18.5	NNC 4948 CV
		320	80		12.598	3.150	781	1 760	173	850	1 100	18.5	NNCL 4948 CV	
		360	160		14.173	6.299	2 120	3 900	400	800	1 000	56	NNCF 5048 CV	

Double row full complement cylindrical roller bearings

d 260 - 340 mm

d 10.236 - 13.386 in



Principal dimensions						Basic load ratings		Fatigue load limit P_u	Speed ratings		Mass kg	Designation
d	D	B	d	D	B	dynamic C	static C_0		Refer- ence speed	Limiting speed		
mm			in			kN		kN	r/min			—
260	320	60	10.236	12.598	2.362	561	1 400	132	800	1 000	9.7	NNCF 4852 CV
	320	60		12.598	2.362	561	1 400	132	800	1 000	11	NNC 4852 CV
	320	60		12.598	2.362	561	1 400	132	800	1 000	9.7	NNCL 4852 CV
	360	100		14.173	3.937	1 170	2 550	245	750	950	32	NNCF 4952 CV
	360	100		14.173	3.937	1 170	2 550	245	750	950	32	NNC 4952 CV
	360	100		14.173	3.937	1 170	2 550	245	750	950	32	NNCL 4952 CV
	400	190		15.748	7.480	2 860	5 200	520	700	900	85.5	NNCF 5052 CV
280	350	69	11.024	13.780	2.717	737	1 860	173	750	950	15.3	NNCF 4856 CV
	350	69		13.780	2.717	737	1 860	173	750	950	16	NNC 4856 CV
	350	69		13.780	2.717	737	1 860	173	750	950	15.3	NNCL 4856 CV
	380	100		14.961	3.937	1 210	2 700	255	700	900	34	NNCF 4956 CV
	380	100		14.961	3.937	1 210	2 700	255	700	900	34	NNC 4956 CV
	380	100		14.961	3.937	1 210	2 700	255	700	900	34	NNCL 4956 CV
	420	190		16.535	7.480	2 920	5 600	540	670	850	90.5	NNCF 5056 CV
300	380	80	11.811	14.961	3.150	858	2 120	196	700	850	21.8	NNCF 4860 CV
	380	80		14.961	3.150	858	2 120	196	700	850	23	NNC 4860 CV
	380	80		14.961	3.150	858	2 120	196	700	850	21.8	NNCL 4860 CV
	420	118		16.535	4.646	1 680	3 750	355	670	800	53	NNCF 4960 CV
	420	118		16.535	4.646	1 680	3 750	355	670	800	53	NNC 4960 CV
	420	118		16.535	4.646	1 680	3 750	355	670	800	53	NNCL 4960 CV
	460	218		18.110	8.583	3 250	6 550	600	600	750	130	NNCF 5060 CV
320	400	80	12.598	15.748	3.150	897	2 280	208	630	800	22.7	NNCF 4864 CV
	400	80		15.748	3.150	897	2 280	208	630	800	24	NNC 4864 CV
	400	80		15.748	3.150	897	2 280	208	630	800	22.7	NNCL 4864 CV
	440	118		17.323	4.646	1 760	4 050	375	600	750	56	NNCF 4964 CV
	440	118		17.323	4.646	1 760	4 050	375	600	750	56	NNC 4964 CV
	440	118		17.323	4.646	1 760	4 050	375	600	750	56	NNCL 4964 CV
	480	218		18.898	8.583	3 690	6 950	620	560	700	135	NNCF 5064 CV
340	420	80	13.386	16.535	3.150	913	2 400	216	600	750	25.5	NNCF 4868 CV
	420	80		16.535	3.150	913	2 400	216	600	750	25.5	NNC 4868 CV
	420	80		16.535	3.150	913	2 400	216	600	750	25.5	NNCL 4868 CV
	460	118		18.110	4.646	1 790	4 250	390	560	700	59	NNCF 4968 CV
	460	118		18.110	4.646	1 790	4 250	390	560	700	59	NNC 4968 CV
	460	118		18.110	4.646	1 790	4 250	390	560	700	59	NNCL 4968 CV
	520	243		20.472	9.567	4 400	8 300	710	530	670	185	NNCF 5068 CV

Double row full complement cylindrical roller bearings

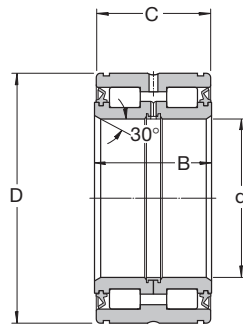
d 360 - 400 mm
d 14.173 - 15.748 in

Principal dimensions						Basic load ratings		Fatigue load limit P_u	Speed ratings		Mass kg	Designation	
d	D	B	d	D	B	dynamic C	static C_0		Refer- ence speed	Limiting speed			
			in			kN		kN	r/min			—	
360	440	80	14.173	17.323	3.150	935	2 550	224	560	700	27	NNCF 4872 CV	
	440	80		17.323	3.150	935	2 550	224	560	700	27	NNC 4872 CV	
	440	80		17.323	3.150	935	2 550	224	560	700	27	NNCL 4872 CV	
	480	118		18.898	4.646	1 830	4 500	405	530	670	62.1	NNCF 4972 CV	
	480	118		18.898	4.646	1 830	4 500	405	530	670	62.1	NNC 4972 CV	
	480	118		18.898	4.646	1 830	4 500	405	530	670	60.8	NNCL 4972 CV	
	540	243		21.260	9.567	4 460	8 650	735	500	630	195	NNCF 5072 CV	
	380	480	100	14.961	18.898	3.937	1 400	3 650	315	530	670	45.5	NNCF 4876 CV
		480	100		18.898	3.937	1 400	3 650	315	530	670	45.5	NNC 4876 CV
480		100	18.898		3.937	1 400	3 650	315	530	670	45.5	NNCL 4876 CV	
520		140		20.472	5.512	2 380	5 700	500	500	630	92.4	NNCF 4976 CV	
520		140		20.472	5.512	2 380	5 700	500	500	630	92.4	NNC 4976 CV	
520		140		20.472	5.512	2 380	5 700	500	500	630	92.4	NNCL 4976 CV	
560		243		22.047	9.567	4 680	9 150	735	480	600	200	NNCF 5076 CV	
400		500	100	15.748	19.685	3.937	1 420	3 750	325	500	630	46.5	NNCF 4880 CV
		500	100		19.685	3.937	1 420	3 750	325	500	630	46.5	NNC 4880 CV
	500	100	19.685		3.937	1 420	3 750	325	500	630	46.5	NNCL 4880 CV	
	540	140		21.260	5.512	2 420	6 000	520	480	600	96.5	NNCF 4980 CV	
	540	140		21.260	5.512	2 420	6 000	520	480	600	96.5	NNC 4980 CV	
	540	140		21.260	5.512	2 420	6 000	520	480	600	96.5	NNCL 4980 CV	
	600	272		23.622	10.709	5 500	11 000	900	450	560	270	NNCF 5080 CV	

Sealed double row full complement cylindrical roller bearings

d 20 - 160 mm

d 0.787 - 6.299 in



Principal dimensions								Basic load ratings		Fatigue load limit P_u	Limiting speed	Mass	Designation
d	D	B	C	d	D	B	C	dynamic	static				
				in				kN		kN	r/min	kg	—
20	42	30	29	0.787	1.654	1.181	1.142	44	52	5.4	3 600	0.21	NNF 5004 ADA-2LSV
25	47	30	29	0.984	1.850	1.181	1.142	48.4	62	6.4	3 000	0.23	NNF 5005 ADA-2LSV
30	55	34	33	1.181	2.165	1.339	1.299	57.2	75	7.8	2 600	0.35	NNF 5006 ADA-2LSV
35	62	36	35	1.378	2.441	1.417	1.378	70.4	91.5	10.2	2 200	0.45	NNF 5007 ADA-2LSV
40	68	38	37	1.575	2.677	1.496	1.457	85.8	116	13.4	2 000	0.53	NNF 5008 ADA-2LSV
45	75	40	39	1.772	2.953	1.575	1.535	102	146	17	1 800	0.68	NNF 5009 ADA-2LSV
50	80	40	39	1.969	3.150	1.575	1.535	108	160	18.6	1 700	0.73	NNF 5010 ADA-2LSV
55	90	46	45	2.165	3.543	1.811	1.772	128	193	22.8	1 500	1.1	NNF 5011 ADA-2LSV
60	95	46	45	2.362	3.740	1.811	1.772	134	208	25	1 400	1.2	NNF 5012 ADA-2LSV
65	100	46	45	2.559	3.937	1.811	1.772	138	224	26.5	1 300	1.3	NNF 5013 ADA-2LSV
70	110	54	53	2.756	4.331	2.126	2.087	205	325	40.5	1 200	1.85	NNF 5014 ADA-2LSV
75	115	54	53	2.953	4.528	2.126	2.087	216	355	44	1 100	2	NNF 5015 ADA-2LSV
80	125	60	59	3.150	4.921	2.362	2.323	251	415	53	1 000	2.7	NNF 5016 ADA-2LSV
85	130	60	59	3.346	5.118	2.362	2.323	270	430	55	1 000	2.75	NNF 5017 ADA-2LSV
90	140	67	66	3.543	5.512	2.638	2.598	319	550	69.5	900	3.8	NNF 5018 ADA-2LSV
95	145	67	66	3.740	5.709	2.638	2.598	330	570	71	900	3.95	NNF 5019 ADA-2LSV
100	150	67	66	3.937	5.906	2.638	2.598	336	570	68	850	4.05	NNF 5020 ADA-2LSV
110	170	80	79	4.331	6.693	3.150	3.110	413	695	81.5	750	6.45	NNF 5022 ADA-2LSV
120	180	80	79	4.724	7.087	3.150	3.110	429	750	86.5	700	6.9	NNF 5024 ADA-2LSV
130	190	80	79	5.118	7.480	3.150	3.110	446	815	91.5	670	7.5	319426 DA-2LS
	200	95	94		7.874	3.740	3.701	616	1 040	120	630	10.5	NNF 5026 ADA-2LSV
140	200	80	79	5.512	7.874	3.150	3.110	468	865	96.5	630	8	319428 DA-2LS
	210	95	94		8.268	3.740	3.701	644	1 120	127	600	11	NNF 5028 ADA-2LSV
150	210	80	79	5.906	8.268	3.150	3.110	468	900	96.5	560	8.4	319430 DA-2LS
	225	100	99		8.858	3.937	3.898	748	1 290	143	560	13.5	NNF 5030 ADA-2LSV
160	220	80	79	6.299	8.661	3.150	3.110	501	1 000	106	530	8.8	319432 DA-2LS
	240	109	108		9.449	4.291	4.252	781	1 400	153	500	16.5	NNF 5032 ADA-2LSV

Sealed double row full complement cylindrical roller bearings

d 170 - 240 mm

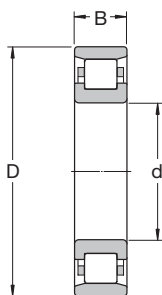
d 6.693 - 9.449 in

Principal dimensions								Basic load ratings		Fatigue load limit P_u	Limiting speed	Mass	Designation
d	D	B	C	d	D	B	C	C	C_0				
mm				in				kN		kN	r/min	kg	–
170	230	80	79	6.693	9.055	3.150	3.110	512	1 060	110	530	9.3	319434 DA-2LS
	260	122	121		10.236	4.803	4.764	1 010	1 800	193	480	22.5	NNF 5034 ADA-2LSV
180	240	80	79	7.087	9.449	3.150	3.110	528	1 100	114	500	9.8	319436 DA-2LS
	280	136	135		11.024	5.354	5.315	1 170	2 120	228	450	30	NNF 5036 ADA-2LSV
190	260	80	79	7.480	10.236	3.150	3.110	550	1 180	120	450	12.7	319438 DA-2LS
	290	136	135		11.417	5.354	5.315	1 190	2 200	236	430	31.5	NNF 5038 ADA-2LSV
200	270	80	79	7.874	10.630	3.150	3.110	561	1 250	125	430	13.2	319440 DA-2LS
	310	150	149		12.205	5.906	5.866	1 450	2 900	300	400	42	NNF 5040 ADA-2LSV
220	340	160	159	8.661	13.386	6.299	6.260	1 610	3 100	315	360	53.5	NNF 5044 ADA-2LSV
240	360	160	159	9.449	14.173	6.299	6.260	1 680	3 350	335	340	57.5	NNF 5048 ADA-2LSV

Cylindrical roller bearings

d 0.7500 - 7.0000 in

d 19.050 - 177.800 mm

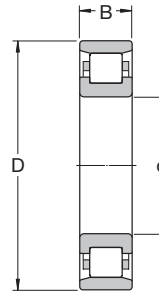


Bearing Number	Principal Dimensions			d	D	B	Basic dynamic load rating C	Speed ratings		Mass
	d	D	B					Lubrication grease	oil	
	in			mm			kN	rpm	rpm	kg
CRL 6 A	0.7500	1.8750	0.5625	19.050	47.625	14.288	23.300	13 000	16 000	0.12
CRL 7 A	0.8750	2.0000	0.5625	22.225	50.800	14.288	25.100	12 000	15 000	0.13
CRL 8 A	1.0000	2.1250	0.6250	25.400	53.975	15.875	30.300	10 000	13 000	0.17
CRL 9 A	1.1250	2.5000	0.6250	28.575	63.500	15.875	37.400	9 500	12 000	0.21
CRL 10 A	1.2500	2.7500	0.6875	31.750	69.850	17.462	44.600	8 500	10 000	0.28
CRL 11 A	1.3750	3.0000	0.6875	34.925	76.200	17.462	47.300	8 000	9 500	0.34
CRL 12 A	1.5000	3.2500	0.7500	38.100	82.550	19.050	56.100	7 500	9 000	0.43
CRL 13 A	1.6250	3.5000	0.7500	41.257	88.900	19.050	60.500	6 700	8 000	0.51
CRL 14 A	1.7500	3.7500	0.8125	44.450	95.250	20.638	70.400	6 300	7 500	0.64
CRL 15 A	1.8750	4.0000	0.8125	47.625	101.600	20.638	73.700	6 000	7 000	0.75
CRL 16 A	2.0000	4.0000	0.8125	50.800	101.600	20.638	73.700	6 000	7 000	0.71
CRL 18 A	2.2500	4.5000	0.8750	57.150	114.300	22.225	95.200	5 300	6 300	0.99
CRL 20 A	2.5000	5.0000	0.9375	63.500	127.000	23.812	108.000	4 800	5 600	1.30
CRL 22 A	2.7500	5.2500	0.9375	69.850	133.350	23.812	112.000	4 300	5 000	1.40
CRL 24 A	3.0000	5.7500	1.0625	76.200	146.050	26.988	145.000	4 000	4 800	1.88
CRL 26 MB	3.2500	6.0000	1.0625	82.550	152.400	26.988	145.000	4 000	4 800	2.19
CRL 28 A	3.5000	6.5000	1.1250	88.900	165.100	28.575	165.000	3 600	4 300	2.49
CRL 30 MB	3.7500	6.7500	1.1250	95.250	171.450	28.575	172.000	3 600	4 300	2.86
CRL 32 MB	4.0000	7.2500	1.2500	101.600	184.150	31.750	212.000	3 400	4 000	3.67
CRL 34 MB	4.2500	7.5000	1.2500	107.950	190.510	31.750	209.000	3 200	3 800	3.83
CRL 36 MB	4.5000	8.0000	1.3125	114.300	203.200	33.338	238.000	3 000	3 600	4.62
CRL 38 MB	4.7500	8.2500	1.3125	120.650	209.550	33.338	260.000	2 800	3 400	4.85
CRL 40 MB	5.0000	9.0000	1.3750	127.000	228.600	34.925	281.000	2 600	3 200	6.48
CRL 44 MB	5.5000	9.5000	1.3750	139.700	241.300	34.925	297.000	2 400	3 000	6.98
CRL 48 MB	6.0000	10.5000	1.5625	152.400	266.700	39.688	374.000	2 000	2 600	9.70
CRL 52 MB	6.5000	11.0000	1.5625	165.100	279.400	39.688	391.000	2 000	2 600	10.20
CRL 56 MB	7.0000	12.0000	1.7500	177.800	304.800	44.450	457.000	2 000	2 600	14.20

Cylindrical roller bearings

d 0.6250 - 6.5000 mm

d 15.875 - 165.100 in



Bearing Number	Principal Dimensions			d	D	B	Basic dynamic load rating C	Speed ratings		Mass
	d	D	B					Lubrication grease	oil	
	in			mm			kN	rpm	rpm	kg
CRM 5 A	0.6250	1.8125	0.6250	15.875	46.038	15.875	20.100	13 000	16 000	0.12
CRM 6 A	0.7500	2.0000	0.6875	19.050	50.800	17.462	25.500	11 000	14 000	0.15
CRM 7 A	0.8750	2.2500	0.6875	22.225	57.150	17.462	31.900	9 500	12 000	0.19
CRM 8 A	1.0000	2.5000	0.7500	25.400	63.500	19.050	41.300	9 000	11 000	0.26
CRM 9 A	1.1250	2.8125	0.8125	28.575	71.438	20.638	49.500	8 500	10 000	0.37
CRM 10 A	1.2500	3.1250	0.8750	31.750	79.375	22.225	60.500	7 500	9 000	0.52
CRM 11 A	1.3750	3.5000	0.8750	34.925	88.900	22.225	74.800	6 700	8 000	0.66
CRM 12 A	1.5000	3.7500	0.9375	38.100	95.250	23.812	85.800	6 300	7 500	0.81
CRM 13 A	1.6250	4.0000	0.9375	41.257	101.600	23.812	91.300	5 600	6 700	0.93
CRM 14 A	1.7500	4.2500	1.0625	44.450	107.950	26.988	105.000	5 300	6 300	1.13
CRM 15 A	1.8750	4.5000	1.0625	47.625	114.300	26.988	110.000	5 000	6 000	1.30
CRM 16 A	2.0000	4.5000	1.0625	50.800	114.300	26.988	110.000	5 000	6 000	1.24
CRM 18 A	2.2500	5.0000	1.2500	57.150	127.000	31.750	138.000	4 500	5 300	1.70
CRM 20 A	2.5000	5.5000	1.2500	63.500	139.700	31.750	145.000	4 000	4 800	2.16
CRM 22 A	2.7500	6.2500	1.3750	69.850	158.750	34.925	212.000	3 600	4 300	3.16
CRM 24 A	3.0000	7.0000	1.5625	76.200	177.800	39.688	281.000	3 200	3 800	4.56
CRM 26 MB	3.2500	7.5000	1.5625	82.550	190.500	39.688	260.000	3 200	3 800	5.90
CRM 27 MB	3.3750	7.5000	1.5625	85.725	190.500	39.688	260.000	3 200	3 800	5.76
CRM 28 MB	3.5000	8.1250	1.7500	88.900	206.375	44.450	303.000	3 000	3 600	7.71
CRM 30 MB	3.7500	8.2500	1.7500	95.250	209.550	44.450	319.000	2 800	3 400	7.66
CRM 32 MB	4.0000	8.5000	1.7500	101.600	215.900	44.450	319.000	2 800	3 400	7.98
CRM 34 MB	4.2500	8.7500	1.7500	107.950	222.250	44.450	336.000	2 600	3 200	8.40
CRM 36 MB	4.5000	9.3150	2.0000	114.300	238.125	50.800	380.000	2 400	3 000	10.90
CRM 38 MB	4.7500	10.0000	2.0000	120.650	254.000	50.800	429.000	2 200	2 800	12.60
CRM 40 MB	5.0000	10.0000	2.0000	127.000	254.000	50.800	429.000	2 200	2 800	12.10
CRM 44 MB	5.5000	11.0000	2.0000	139.700	279.400	50.800	501.000	1 900	2 400	14.60
CRM 48 MB	6.0000	12.0000	2.2500	152.400	304.800	57.150	627.000	1 800	2 200	20.20
CRM 52 MB	6.5000	13.0000	2.5000	165.100	330.200	63.500	682.000	1 700	2 000	26.60

