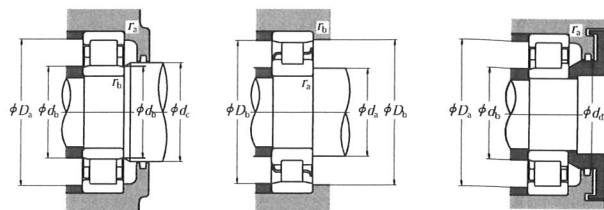
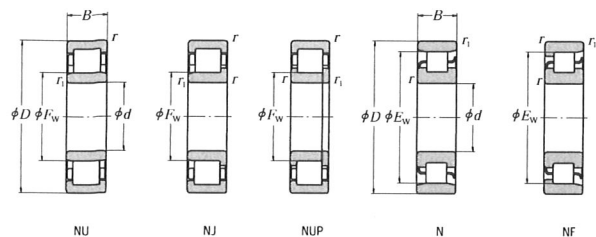


SINGLE-ROW CYLINDRICAL ROLLER BEARINGS

Bore Diameter 130 – 160 mm

NSK



Boundary Dimensions (mm)							Basic Load Ratings (N)		Limiting Speeds ⁽¹⁾ (min ⁻¹)	
d	D	B	r ₁ min.	r ₁ max.	F _w	E _w	C _r	C _{0r}	Grease	Oil
130	200	33	2	1.1	148	182	172 000	238 000	3 200	3 800
	230	40	3	—	204	—	270 000	340 000	2 600	3 200
	230	40	3	3	153.5	—	365 000	455 000	2 600	3 200
	230	64	3	3	153.5	—	530 000	735 000	2 400	3 000
	280	58	4	—	243	—	500 000	570 000	2 200	2 600
	280	58	4	4	167	—	615 000	735 000	2 200	2 600
140	280	93	4	4	167	—	920 000	1 230 000	1 900	2 400
	340	78	5	5	185	285	825 000	955 000	1 800	2 200
	210	33	2	1.1	158	192	176 000	250 000	3 000	3 600
	250	42	3	3	—	221	297 000	375 000	2 400	3 000
	250	42	3	3	169	—	395 000	515 000	2 400	3 000
	250	68	3	3	169	—	550 000	790 000	2 200	2 800
150	300	62	4	4	—	260	550 000	640 000	2 000	2 400
	300	62	4	4	180	—	665 000	795 000	2 000	2 400
	300	102	4	4	180	—	1 020 000	1 380 000	1 700	2 200
	360	82	5	5	198	302	875 000	1 020 000	1 700	2 000
	225	35	2.1	1.5	169.5	205.5	202 000	294 000	2 800	3 400
	270	45	3	3	—	238	360 000	465 000	2 200	2 800
160	270	45	3	3	182	—	450 000	595 000	2 200	2 800
	270	73	3	3	182	—	635 000	930 000	2 000	2 600
	320	65	4	4	—	277	665 000	805 000	1 800	2 200
	320	65	4	4	193	—	760 000	920 000	1 800	2 200
	320	108	4	4	193	—	1 160 000	1 600 000	1 600	2 000
	380	85	5	5	213	—	930 000	1 120 000	1 600	2 000
160	240	38	2.1	1.5	180	220	238 000	340 000	2 600	3 200
	290	48	3	3	—	255	430 000	570 000	2 200	2 600
	290	48	3	3	195	—	500 000	665 000	2 200	2 600
	290	80	3	3	193	—	810 000	1 190 000	1 900	2 400
	340	68	4	4	—	292	700 000	875 000	1 700	2 000
	340	68	4	4	204	—	860 000	1 050 000	1 700	2 000
340	114	4	4	4	204	—	1 310 000	1 820 000	1 500	1 900

Bearing Numbers ⁽²⁾						Abutment and Fillet Dimensions (mm)												Mass (kg)
	NU	NJ	NUP	N	NF	d ₁ ⁽⁴⁾ min.	d ₂ ⁽⁴⁾ min.	d ₃ ⁽⁴⁾ max.	d ₄ ⁽⁴⁾ min.	d ₅ ⁽⁴⁾ max.	D ₁ ⁽⁴⁾ min.	D ₂ ⁽⁴⁾ max.	D ₃ ⁽⁴⁾ min.	D ₄ ⁽⁴⁾ max.	r ₅ max.	r ₆ max.	approx.	
NU1026	—	—	—	N	NF	139	136.5	146	151	—	191	193.5	184	2	1	3.66		
N 226	—	—	—	N	NF	143	—	—	—	—	217	208	2.5	2.5	6.48			
NU 226 EM	NU	NJ	NUP	—	—	143	143	150	158	168	217	—	—	2.5	2.5	8.03		
NU2226 EM	NU	NJ	NUP	—	—	143	143	150	158	168	217	—	—	2.5	2.5	9.44		
N 326	—	—	—	N	NF	146	—	—	—	—	264	247.5	3	3	17.7			
NU326 EM	NU	NJ	NUP	—	—	146	146	163	169	184	264	—	—	3	3	18.7		
NU2326 EM	NU	NJ	NUP	—	—	146	146	163	169	184	264	—	—	3	3	30		
NU 426	NU	NJ	—	NF	—	150	150	180	187	208	320	320	291	4	4	39.6		
NU1028	NU	NJ	NUP	N	—	149	146.5	156	161	—	201	203.5	194	2	1	3.87		
N 228	—	—	—	N	NF	153	—	—	—	—	237	225	2.5	2.5	8.08			
NU228 EM	NU	NJ	NUP	—	—	153	153	165	171	182	237	—	—	2.5	2.5	9.38		
NU228 EM	NU	NJ	NUP	—	—	153	153	165	171	182	237	—	—	2.5	2.5	15.2		
N 328	—	—	—	N	NF	156	—	—	—	—	284	266	3	3	21.7			
NU328 EM	NU	NJ	NUP	—	—	156	156	176	182	198	284	—	—	3	3	22.8		
NU2328 EM	NU	NJ	NUP	—	—	156	156	176	182	198	284	—	—	3	3	37.7		
NU 428	NU	NJ	—	N	—	160	160	193	200	222	340	340	308	4	4	46.4		
NU1030	NU	NJ	—	N	NF	161	158	167	173	—	214	217	208	2	1.5	4.77		
N 230	—	—	—	N	NF	163	—	—	—	—	257	242	2.5	2.5	10.4			
NU230 EM	NU	NJ	NUP	—	—	163	163	177	184	196	257	—	—	2.5	2.5	19.3		
NU230 EM	NU	NJ	NUP	—	—	163	163	177	184	196	257	—	—	2.5	2.5	19.3		
N 330	—	—	—	N	NF	166	—	—	—	—	304	283	3	3	25.8			
NU330 EM	NU	NJ	NUP	—	—	166	166	188	195	213	304	—	—	3	3	27.1		
NU2330 EM	NU	NJ	NUP	—	—	166	166	188	195	213	304	—	—	3	3	45.1		
NU 430	NU	NJ	—	N	—	170	170	208	216	237	360	—	—	4	4	55.8		
NU1032	NU	NJ	—	N	NF	171	168	178	184	—	229	232	222	2	1.5	5.81		
N 232	—	—	—	N	NF	173	—	—	—	—	277	261	2.5	2.5	14.1			
NU232 EM	NU	NJ	NUP	—	—	173	173	190	197	210	277	—	—	2.5	2.5	14.7		
NU232 EM	NU	NJ	NUP	—	—	173	173	188	197	210	277	—	—	2.5	2.5	24.5		
N 332	—	—	—	N	—	176	—	—	—	—	324	298	3	3	30.8			
NU332 EM	NU	NJ	NUP	—	—	176	176	199	211	228	324	—	—	3	3	32.1		
NU2332 EM	NU	NJ	NUP	—	—	176	176	199	211	228	324	—	—	3	3	53.9		

Notes ⁽¹⁾ The limiting speeds listed above apply to bearings with machined cages (No suffix). For bearings with pressed cages, reduce the limiting speed by 20%. (Not applicable to bearing numbers with an EM, EW, or ET suffix.)
⁽²⁾ The bearings with suffix ET have polyamide cage. The maximum operating temperature should be less than 120 °C.

Notes ⁽³⁾ When L-shaped thrust collars (See section for L-Shaped Thrust Collars starting on page B104) are used, the bearings become the NH type.
⁽⁴⁾ If axial loads are applied, increase d₁ and reduce D₁ from the values listed above.
⁽⁵⁾ d₁ (max.) are values for adjusting rings for NU, NJ Types.