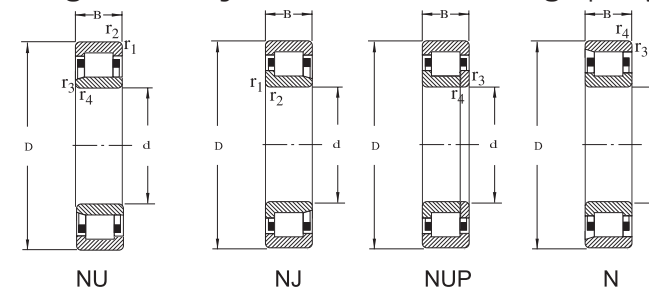


Single - row cylindrical roller bearings | Łożyska walcowe jednorzędowe



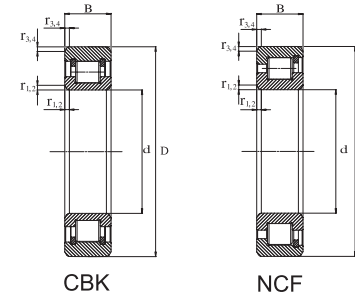
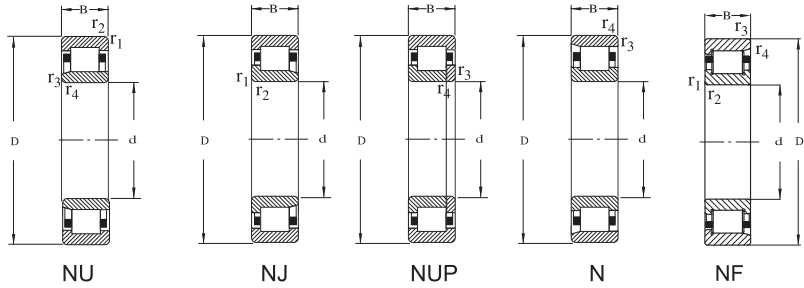
PREFIX		Characters placed before basic designation
R		separable bearing without removable inner (RNU) or outer ring (RN) ● łożyska rozłączne bez swobodnego pierścienia wewnętrznego lub zewnętrznego
SUFFIX		Characters placed after basic designation
E		modified internal design - increased capacity ● zmodyfikowana konstrukcja wewnętrzna - zwiększona nośność
M		machined brass cage centered on rolling elements ● koszki masywne mosiężne prowadzone na wałkach
MA		machined brass cage centred on the outer ring ● koszki masywne mosiężne prowadzone na pierścieniu zewnętrznym
MB		machined brass cage centred on the inner ring ● koszki masywne mosiężne prowadzone na pierścieniu wewnętrznym
TN		polyamid cage ● koszki poliamidowe
P6		accuracy to ISO tolerance class 6 ● klasa dokładności P6 wg tolerancji ISO (wyższa niż normalna P0)
C2		radial clearance less than normal ● luz promieniowy mniejszy od luzu normalnego - C0
C3		radial clearance greater than normal ● luz promieniowy większy od luzu normalnego - C0
C4		radial clearance greater than C3 ● luz promieniowy większy od luzu C3
P63		accuracy to ISO class 6 with radial clearance C3 ● łożysko w klasie dokładności P6 i z luzem promieniowym C3
P64		accuracy to ISO class 6 with radial clearance C4 ● łożysko w klasie dokładności P6 i z luzem promieniowym C4
V		bearing without cage with full quantity of rolling elements ● łożysko bez kosza z pełną ilością walczków

DIMENSIONS					BASIC LOAD RATING		LIMITING SPEEDS		BASIC DESIGNATIONS	MASS	SKETCH
WYMIARY GŁÓWNE					NOŚNOŚĆ		OBROTY GRANICZNE				
d	D	B	r _{1,2}	r _{3,4}	dynamic	static	grease	oil	~		
			min	min	C	C ₀	w smarze	w oleju			
mm					kN		r/min			kg	
15	35	11	0.6	0.3	12.50	10.2	18 000	22 000	N202E	0.048	N
	35	11	0.6	0.3	12.50	10.2	18 000	22 000	NU202E	0.048	NU
	35	11	0.6	0.3	12.50	10.2	18 000	22 000	NJ202E	0.048	NJ
	35	11	0.6	0.3	12.50	10.2	18 000	22 000	NUP202E	0.048	NUP
	35	11	0.6	0.3	12.50	10.2	18 000	22 000	NJ202ETNT	0.047	NJ
17	40	12	0.6	0.3	19.70	17.0	15 000	18 000	NJ203E	0.090	NJ
	40	12	0.6	0.3	19.80	17.1	15 000	18 000	NJ203E TNT	0.070	NJ
20	47	14	1.0	0.6	25.10	22.0	13 000	16 000	N204E	0.110	N
	47	14	1.0	0.6	25.10	22.0	13 000	16 000	NU204E	0.110	NU
	47	14	1.0	0.6	25.10	22.0	13 000	16 000	NJ204E	0.110	NJ
	47	14	1.0	0.6	25.10	22.0	13 000	16 000	NUP204E	0.110	NUP
	47	18	1.0	0.6	29.70	27.5	13 000	16 000	NJ2204	0.140	NJ
25	52	15	1.0	0.6	28.60	27.0	11 000	14 000	N205E	0.130	N
	52	15	1.0	0.6	28.60	27.0	11 000	14 000	NU205E	0.130	NU
	52	15	1.0	0.6	28.60	27.0	11 000	14 000	NJ205E	0.130	NJ
	52	15	1.0	0.6	28.60	27.0	11 000	14 000	NUP205E	0.130	NUP
	52	18	1.0	0.6	27.50	26.8	11 000	14 000	NJ2205M	0.160	NJ
	52	18	1.0	0.6	27.50	26.8	11 000	14 000	NUP2205	0.160	NUP
	62	17	1.1	1.1	40.20	36.5	9 500	12 000	N305E	0.240	N
	62	17	1.1	1.1	40.20	36.5	9 500	12 000	NU305E	0.240	NU
	62	17	1.1	1.1	40.20	36.5	9 500	12 000	NJ305E	0.240	NJ
	62	17	1.1	1.1	40.20	36.5	9 500	12 000	NUP305E	0.240	NUP
30	62	24	1.1	1.1	42.70	40.9	9 500	12 000	NU2305EM	0.400	NU
	62	24	1.1	1.1	42.70	40.9	9 500	12 000	NJ2305EM	0.400	NJ
	62	16	1.0	0.6	36.00	35.5	8 500	11 000	N206E	0.220	N
	62	16	1.0	0.6	36.00	35.5	8 500	11 000	NU206E	0.220	NU
	62	16	1.0	0.6	36.00	35.5	8 500	11 000	NJ206E	0.220	NJ
	62	16	1.0	0.6	36.00	35.5	8 500	11 000	NUP206E	0.220	NUP
	62	20	1.0	0.6	48.90	49.8	8 500	11 000	NUP2206EM	0.260	NUP
	62	20	1.0	0.6	44.00	48.1	8 500	11 000	NJ2206E	0.310	NJ
	72	19	1.1	1.1	49.20	48.2	8 000	10 000	N306E	0.380	N
	72	19	1.1	1.1	49.20	48.2	8 000	10 000	NU306E	0.380	NU
35	72	19	1.1	1.1	49.20	48.2	8 000	10 000	NJ306E	0.380	NJ
	72	19	1.1	1.1	49.20	48.2	8 000	10 000	NUP306E	0.380	NUP
	90	23	1.5	1.5	57.20	53.0	7 000	9 000	NJ406	0.730	NJ
	72	17	1.1	0.6	46.50	48.0	7 500	9 500	N207E	0.340	N
	72	17	1.1	0.6	46.50	48.0	7 500	9 500	NU207E	0.340	NU
	72	17	1.1	0.6	46.50	48.0	7 500	9 500	NJ207E	0.340	NJ
	72	17	1.1	0.6	46.50	48.0	7 500	9 500	NUP207E	0.340	NUP
	72	23	1.1	1.1	49.00	51.2	7 500	9 500	NJ2207E	0.450	NJ
	80	21	1.5	1.1	62.00	63.2	7 000	9 000	N307E	0.500	N
	80	21	1.5	1.1	62.00	63.2	7 000	9 000	NU307E	0.500	NU
80	21	1.5	1.1	62.00	63.2	7 000	9 000	NJ307E	0.500	NJ	
80	21	1.5	1.1	62.00	63.2	7 000	9 000	NUP307E	0.500	NUP	

F&T Cylindrical Roller Bearings

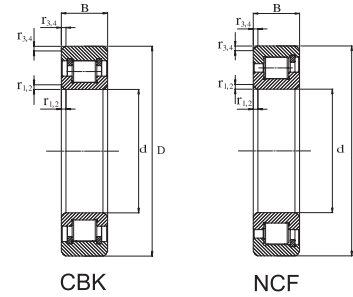
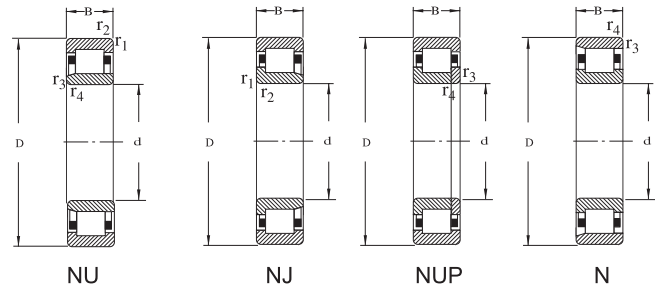
Łożyśka walcowe

Single - row cylindrical roller bearings | Łożyśka walcowe jednorzędowe



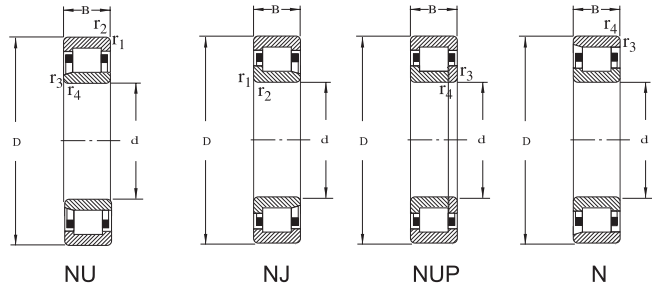
DIMENSIONS					BASIC LOAD RATING		LIMITING SPEEDS		BASIC DESIGNATIONS	MASS	SKETCH	DIMENSIONS					BASIC LOAD RATING		LIMITING SPEEDS		BASIC DESIGNATIONS	MASS	SKETCH																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
WYMIARY GŁÓWNE					NOŚNOŚĆ		OBROTY GRANICZNE		OZNACZENIE PODSTAWOWE	MASA	SCHEMAT	WYMIARY GŁÓWNE					NOŚNOŚĆ		OBROTY GRANICZNE		OZNACZENIE PODSTAWOWE	MASA	SCHEMAT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
d	D	B	r _{1.2}	r _{3.4}	dynamic	static	grease	oil				d	D	B	r _{1.2}	r _{3.4}	dynamic	static	grease	oil				d	D	B	r _{1.2}	r _{3.4}	dynamic	static	grease	oil				d	D	B	r _{1.2}	r _{3.4}	dynamic	static	grease	oil																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
mm					kN		r/min			kg		mm					kN		r/min			kg		mm					kN		r/min			kg		mm					kN		r/min			kg																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
40	80	18	1.5	1.1	51.50	53.0	7 000	9 000	N208E	0.390	N	60	110	22	1.5	1.5	89.80	102.0	5 000	6 300	N212E	0.840	N	80	18	1.5	1.1	51.50	53.0	7 000	8 000	NJ208E	0.390	NJ	110	22	1.5	1.5	89.80	102.0	5 000	6 300	NU212E	0.840	NU	80	18	1.5	1.1	51.50	53.0	7 000	8 000	NUP208E	0.390	NUP	110	22	1.5	1.5	89.80	102.0	5 000	6 300	NJ212E	0.840	NJ	80	23	1.1	1.1	64.30	67.6	7 000	8 000	NJ2208E	0.490	NJ	110	22	1.5	1.5	89.80	102.0	5 000	6 300	NUP212E	0.840	NUP	90	33	1.5	1.5	113.20	121.1	6 300	7 500	NJ2308E	0.950	NJ	110	22	1.5	1.5	89.80	102.0	5 000	6 300	NF212E	0.840	NF	90	23	1.5	1.5	76.80	77.8	6 300	8 000	N308E	0.670	N	110	28	1.5	1.5	101.00	123.0	5 000	6 300	NJ2212E	1.090	NJ	90	23	1.5	1.5	76.80	77.8	6 300	8 000	NU308E	0.670	NU	130	31	2.1	2.1	142.00	155.0	4 500	5 600	N312E	1.940	N	90	23	1.5	1.5	76.80	77.8	6 300	8 000	NJ308E	0.670	NJ	130	31	2.1	2.1	142.00	155.0	4 500	5 600	NU312E	1.940	NU	90	23	1.5	1.5	76.80	77.8	6 300	8 000	NUP308E	0.670	NUP	130	31	2.1	2.1	142.00	155.0	4 500	5 600	NJ312E	1.940	NJ	110	27	2.0	2.0	90.50	89.8	5 600	6 700	NUP408E	1.150	NUP	130	31	2.1	2.1	142.00	155.0	4 500	5 600	NUP312E	1.940	NUP	110	27	2.0	2.0	90.50	89.8	5 600	6 700	NJ408	1.150	NJ	65	120	23	1.5	1.5	102.00	118.0	4 500	5 600	N213E	1.050	N	75	16	1.1	1.1	31.00	34.0	9 900	12 000	NJ1009M	0.290	NJ	120	23	1.5	1.5	102.00	118.0	4 500	5 600	NU213E	1.050	NU	85	19	1.1	1.1	58.50	63.8	6 300	8 000	N209E	0.450	N	120	23	1.5	1.5	102.00	118.0	4 500	5 600	NJ213E	1.050	NJ	85	19	1.1	1.1	58.50	63.8	6 300	8 000	NU209E	0.450	NU	120	23	1.5	1.5	102.00	118.0	4 500	5 600	NUP213E	1.050	NUP	85	19	1.1	1.1	58.50	63.8	6 300	8 000	NJ209E	0.450	NJ	140	33	2.1	2.1	170.00	188.0	4 000	5 000	N313E	2.420	N	85	19	1.1	1.1	58.50	63.8	6 300	8 000	NUP209E	0.450	NUP	140	33	2.1	2.1	170.00	188.0	4 000	5 000	NU313E	2.420	NU	85	23	1.1	1.1	64.30	67.8	6 300	8 000	NJ2209E	0.540	NJ	140	33	2.1	2.1	170.00	188.0	4 000	5 000	N313E	2.420	N	100	36	1.5	1.5	138.80	155.7	5 600	6 700	NJ2309E	1.290	NJ	140	33	2.1	2.1	170.00	188.0	4 000	5 000	NU313E	2.420	NU	100	25	1.5	1.5	93.00	98.0	5 600	7 000	N309E	0.950	N	100	25	1.5	1.5	93.00	98.0	5 600	7 000	NU309E	0.950	NU	100	25	1.5	1.5	93.00	98.0	5 600	7 000	NJ309E	0.950	NJ	100	25	1.5	1.5	93.00	98.0	5 600	7 000	NUP309E	0.950	NUP	100	25	1.5	1.5	93.00	98.0	5 600	7 000	NF309E	0.950	NF	120	29	2.0	2.0	102.00	100.0	5 000	6 300	NU409M	1.970	NU	100	25	1.5	1.5	93.00	98.0	5 600	7 000	NJ309E	0.950	NJ	150	35	2.1	2.1	195.00	220.0	3 800	4 800	N314E	2.900	N	100	25	1.5	1.5	93.00	98.0	5 600	7 000	NUP309E	0.950	NUP	150	35	2.1	2.1	195.00	220.0	3 800	4 800	NU314E	2.900	NU	100	25	1.5	1.5	93.00	98.0	5 600	7 000	NF309E	0.950	NF	150	35	2.1	2.1	195.00	220.0	3 800	4 800	NJ314E	2.900	NJ	120	29	2.0	2.0	102.00	100.0	5 000	6 300	NU1010M	0.320	NU	150	35	2.1	2.1	195.00	220.0	3 800	4 800	N314E	2.900	N	120	29	2.0	2.0	102.00	100.0	5 000	6 300	N210E	0.510	N	150	35	2.1	2.1	195.00	220.0	3 800	4 800	NU314E	2.900	NU	120	29	2.0	2.0	102.00	100.0	5 000	6 300	NJ210E	0.510	NJ	150	35	2.1	2.1	195.00	220.0	3 800	4 800	NUP314E	2.900	NUP	120	29	2.0	2.0	102.00	100.0	5 000	6 300	NJ210E	0.510	NJ	70	125	24	1.5	1.5	112.00	135.0	4 300	5 300	N214E	1.290	N	125	24	1.5	1.5	112.00	135.0	4 300	5 300	NU214E	1.290	NU	125	24	1.5	1.5	112.00	135.0	4 300	5 300	NJ214E	1.290	NJ	125	24	1.5	1.5	112.00	135.0	4 300	5 300	NUP214E	1.290	NUP	125	24	1.5	1.5	112.00	135.0	4 300	5 300	NJ214E	1.290	NJ	125	24	1.5	1.5	112.00	135.0	4 300	5 300	NJ2214E	1.700	NJ	125	24	1.5	1.5	112.00	135.0	4 300	5 300	N314E	2.900	N	125	24	1.5	1.5	112.00	135.0	4 300	5 300	NJ2214E	1.700	NJ	125	24	1.5	1.5	112.00	135.0	4 300	5 300	N314E	2.900	N	125	24	1.5	1.5	112.00	135.0	4 300	5 300	NUP214E	1.290	NUP	125	24	1.5	1.5	112.00	135.0	4 300	5 300	NJ214E	1.290	NJ	125	24	1.5	1.5	112.00	135.0	4 300	5 300	NJ2214E	1.700	NJ	125	24	1.5	1.5	112.00	135.0	4 300	5 300	N314E	2.900	N	125	24	1.5	1.5	112.00	135.0	4 300	5 300	NJ2214E	1.700	NJ	125	24	1.5	1.5	112.00	135.0	4 300	5 300	N314E	2.900	N	125	24	1.5	1.5	112.00	135.0	4 300	5 300	NJ2214E	1.700	NJ	125	24	1.5	1.5	112.00	135.0	4 300	5 300	N314E	2.900	N	125	24	1.5	1.5	112.00	135.0	4 300	5 300	NJ2214E	1.700	NJ	125	24	1.5	1.5	112.00	135.0	4 300	5 300	N314E	2.900	N	125	24	1.5	1.5	112.00	135.0	4 300	5 300	NJ2214E	1.700	NJ	125	24	1.5	1.5	112.00	135.0	4 300	5 300	N314E	2.900	N	125	24	1.5	1.5	112.00	135.0	4 300	5 300	NJ2214E	1.700	NJ	125	24	1.5	1.5	112.00	135.0	4 300	5 300	N314E	2.900	N	125	24	1.5	1.5	112.00	135.0	4 300	5 300	NJ2214E	1.700	NJ	125	24	1.5	1.5	112.00	135.0	4 300	5 300	N314E	2.900	N	125	24	1.5	1.5	112.00	135.0	4 300	5 300	NJ2214E	1.700	NJ	125	24	1.5	1.5	112.00	135.0	4 300	5 300	N314E	2.900	N	125	24	1.5	1.5	112.00	135.0	4 300	5 300	NJ2214E	1.700	NJ	125	24	1.5	1.5	112.00	135.0	4 300	5 300	N314E	2.900	N	125	24	1.5	1.5	112.00	135.0	4 300	5 300	NJ2214E	1.700	NJ	125	24	1.5	1.5	112.00	135.0	4 300	5 300	N314E	2.900	N	125	24	1.5	1.5	112.00	135.0	4 300	5 300	NJ2214E	1.700	NJ	125	24	1.5	1.5	112.00	135.0	4 300	5 300	N314E	2.900	N	125	24	1.5	1.5	112.00	135.0	4 300	5 300	NJ2214E	1.700	NJ	125	24	1.5	1.5	112.00	135.0	4 300	5 300	N314E	2.900	N	125	24	1.5	1.5	112.00	135.0	4 300	5 300	NJ2214E	1.700	NJ	125	24	1.5	1.5	112.00	135.0	4 300	5 300	N314E	2.900	N	125	24	1.5	1.5	112.00	135.0	4 300	5 300	NJ2214E	1.700	NJ	125	24	1.5	1.5	112.00	135.0	4 300	5 300	N314E	2.900	N	125	24	1.5	1.5	112.00	135.0	4 300	5 300	NJ2214E	1.700	NJ	125	24	1.5	1.5	112.00	135.0	4 300	5 300	N314E	2.900	N	125	24	1.5	1.5	112.00	135.0	4 300	5 300	NJ2214E	1.700	NJ	125	24	1.5	1.5	112.00	135.0	4 300	5 300	N314E	2.900	N	125	24	1.5

Single - row cylindrical roller bearings | Łożyska walcowe jednorzędowe



DIMENSIONS					BASIC LOAD RATING		LIMITING SPEEDS		BASIC DESIGNATIONS	MASS	SKETCH	DIMENSIONS					BASIC LOAD RATING		LIMITING SPEEDS		BASIC DESIGNATIONS	MASS	SKETCH							
WYMIARY GŁÓWNE					NOŚNOŚĆ		OBROTY GRANICZNE		OZNACZENIE PODSTAWOWE	MASA	SCHEMAT	WYMIARY GŁÓWNE					NOŚNOŚĆ		OBROTY GRANICZNE		OZNACZENIE PODSTAWOWE	MASA	SCHEMAT							
d	D	B	r _{1,2}	r _{3,4}	dynamic	static	grease	oil				d	D	B	r _{1,2}	r _{3,4}	dynamic	static	grease	oil										
mm					kN		r/min			~		mm					kN		r/min			~								
min					C		C ₀					min					C		C ₀											
90	160	30	2.0	2.0	172.00	215.0	3 400	4 300	N218E	2.440	N	110	240	50	3.0	3.0	352.00	428.0	2 000	2 800	NU322	11.100	NU							
	160	30	2.0	2.0	172.00	215.0	3 400	4 300	NU218E	2.440	NU		240	50	3.0	3.0	352.00	428.0	2 000	2 800	NJ322	11.100	NJ							
	160	30	2.0	2.0	172.00	215.0	3 400	4 300	NJ218E	2.440	NJ		240	50	3.0	3.0	352.00	428.0	2 000	2 800	NUP322	11.100	NUP							
	160	30	2.0	2.0	172.00	215.0	3 400	4 300	NUP218E	2.440	NUP		280	65	4.0	4.0	515.00	600.0	1 800	2 400	NU422	22.000	NU							
	160	30	2.0	2.0	172.00	215.0	3 400	4 300	NF218E	2.440	NF		120	180	28	2.1	2.0	163.00	234.0	3 000	3 800	NU1024	2.550	NU						
	190	43	3.0	3.0	298.00	348.0	3 000	3 800	N318E	6.070	N			215	40	2.1	2.1	322.00	422.0	2 200	3 000	N224	6.220	N						
	190	43	3.0	3.0	298.00	348.0	3 000	3 800	NU318E	6.070	NU			215	40	2.1	2.1	322.00	422.0	2 200	3 000	NU224	6.220	NU						
	190	43	3.0	3.0	298.00	348.0	3 000	3 800	NJ318E	6.070	NJ			215	40	2.1	2.1	322.00	422.0	2 200	3 000	NJ224	6.220	NJ						
	190	43	3.0	3.0	298.00	348.0	3 000	3 800	NUP318E	6.070	NUP			215	40	2.1	2.1	322.00	422.0	2 200	3 000	NUP224	6.220	NUP						
190	64	3.0	3.0	329.00	395.0	3 000	3 800	NU2318EM	10.000	NU	215	40	2.1	2.1	247.00	249.0	2 200	3 000	NJ224E	6.320	NJ									
95	170	32	2.1	2.1	208.00	262.0	3 200	4 000	N219E	2.900	N	260	86	3.0	3.0	735.00	1050.0	2 000	2 600	NJ2324EM	23.600	NJ								
	170	32	2.1	2.1	208.00	262.0	3 200	4 000	NU219E	2.900	NU	260	55	3.0	3.0	440.00	522.0	1 900	2 600	N324	14.000	N								
	170	32	2.1	2.1	208.00	262.0	3 200	4 000	NJ219E	2.900	NJ	260	55	3.0	3.0	440.00	522.0	1 900	2 600	NU324	14.000	NU								
	170	32	2.1	2.1	208.00	262.0	3 200	4 000	NUP219E	2.900	NUP	260	55	3.0	3.0	440.00	522.0	1 900	2 600	NJ324	14.000	NJ								
	170	43	2.1	2.1	230.00	298.0	2 200	4 000	NJ2219EM	4.300	NJ	260	55	3.0	3.0	440.00	522.0	1 900	2 600	NUP324	14.000	NUP								
	200	45	3.0	3.0	315.00	380.0	2 800	3 600	N319E	6.620	N	310	72	5.0	5.0	748.00	883.0	1 900	2 400	NU424	30.600	NU								
	200	45	3.0	3.0	315.00	380.0	2 800	3 600	NU319E	6.620	NU	130	180	30	1.5	1.5	210.00	350.0	750	1 600	NCF2926V	2.300	NCF							
	200	45	3.0	3.0	315.00	380.0	2 800	3 600	NJ319E	6.620	NJ		230	40	3.0	3.0	258.00	352.0	2 000	2 800	N226	7.150	N							
	200	45	3.0	3.0	315.00	380.0	2 800	3 600	NUP319E	6.620	NUP		230	40	3.0	3.0	258.00	352.0	2 000	2 800	NU226	7.150	NU							
	200	45	3.0	3.0	315.00	380.0	2 800	3 600	NCF2920V	1.140	NCF		230	40	3.0	3.0	258.00	352.0	2 000	2 800	NJ226	7.150	NJ							
100	140	24	1.1	1.1	132.00	199.0	1 000	2 200	N220E	3.340	N	230	40	3.0	3.0	258.00	352.0	2 000	2 800	NUP226	7.150	NUP								
	180	34	2.1	2.1	235.00	302.0	3 000	3 800	NU220E	3.340	NU	280	58	4.0	4.0	492.00	620.0	1 700	2 200	N326	18.500	N								
	180	34	2.1	2.1	235.00	302.0	3 000	3 800	NJ220E	3.340	NJ	280	58	4.0	4.0	492.00	620.0	1 700	2 200	NU326	18.500	NU								
	180	34	2.1	2.1	235.00	302.0	3 000	3 800	NUP220E	3.340	NUP	280	58	4.0	4.0	492.00	620.0	1 700	2 200	NJ326	18.500	NJ								
	180	46	2.1	2.1	318.00	440.0	3 000	3 800	NU2220E	4.860	NU	280	58	4.0	4.0	492.00	620.0	1 700	2 200	NUP326	18.500	NUP								
	215	47	3.0	3.0	365.00	425.0	2 600	3 200	N320E	8.040	N	140	250	42	3.0	3.0	302.00	415.0	1 800	2 400	N228	9.000	N							
	215	47	3.0	3.0	365.00	425.0	2 600	3 200	NU320E	8.040	NU		250	42	3.0	3.0	302.00	415.0	1 800	2 400	NU228	9.000	NU							
	215	47	3.0	3.0	365.00	425.0	2 600	3 200	NJ320E	8.040	NJ		250	42	3.0	3.0	302.00	415.0	1 800	2 400	NJ228	9.000	NJ							
	215	47	3.0	3.0	365.00	425.0	2 600	3 200	NUP320E	8.040	NUP		250	42	3.0	3.0	302.00	415.0	1 800	2 400	NUP228	9.000	NUP							
	215	47	3.0	3.0	365.00	425.0	2 600	3 200	N221	4.000	N		250	68	3.0	3.0	553.00	799.0	1 800	2 400	NJ2228EM	15.900	NJ							
	105	190	36	2.1	2.1	185.00	235.0	2 800	3 600	NU221	4.000	NU	300	62	4.0	4.0	545.00	690.0	1 600	2 000	N328	22.800	N							
190		36	2.1	2.1	185.00	235.0	2 800	3 600	NJ221	4.000	NJ	300	62	4.0	4.0	545.00	690.0	1 600	2 000	NU328	22.800	NU								
190		36	2.1	2.1	185.00	235.0	2 800	3 600	NUP221	4.000	NUP	300	62	4.0	4.0	545.00	690.0	1 600	2 000	NJ328	22.800	NJ								
190		36	2.1	2.1	185.00	235.0	2 800	3 600	NJ221E	4.000	NJ	190	30	1.5	1.1	220.00	390.0	750	1 500	NCF2928V	2.450	NCF								
225		49	3.0	3.0	322.00	392.0	2 200	3 000	N321	9.900	N	150	225	35	2.1	1.5	208.00	310.0	2 600	3 200	NU1030EM	4.990	NU							
225		49	3.0	3.0	322.00	392.0	2 200	3 000	NU321	9.900	NU		270	45	3.0	3.0	360.00	490.0	1 700	2 200	N230	11.600	N							
225		49	3.0	3.0	322.00	392.0	2 200	3 000	NJ321	9.900	NJ		270	45	3.0	3.0	360.00	490.0	1 700	2 200	NU230E	11.600	NU							
110		225	49	3.0	3.0	322.00	392.0	2 200	3 000	NUP321	9.900	NUP	320	65	4.0	4.0	595.00	765.0	1 500	1 900	N330	26.400	N							
		150	24	1.1	1.0	137.00	213.0	900	1 900	NCF2922V	1.230	NCF	320	65	4.0	4.0	595.00	765.0	1 500	1 900	NU330	26.400	NU							
	170	28	2.0	1.1	115.00	155.0	3 000	3 800	NJ1022	2.310	NJ	270	73	3.0	3.0	735.00	930.0	2 000	2 600	NU2230M	19.200	NU								
	170	28	2.0	1.1	115.00	155.0	3 000	3 800	NUP1022E	2.310	NUP	160	240	38	2.1	1.5	245.00	255.0	2 400	3 000	NU1032M	6.200	NU							
	200	38	2.1	2.1	278.00	360.0	2 600	3 400	N222	5.080	N		290	80	3.0	3.0	787.00	1146.0	1 900	2 400	NU2232E	24.300	NU							
	200	38	2.1	2.1	278.00	360.0	2 600	3 400	NU222	5.080	NU		290	48	3.0	3.0	405.00	552.0	1 600	2 000	N232	14.700	N							
	200	38	2.1	2.1	278.00	360.0	2 600	3 400	NJ222	5.080	NJ		290	48	3.0	3.0	405.00	552.0	1 600	2 000	NJ232E	14.700	NJ							
	200	38	2.1	2.1	278.00	360.0	2 600	3 400	NUP222	5.080	NUP		340	68	4.0	4.0	628.00	825.0	1 400	1 800	N332	32.200	N							
	240	50	3.0	3.0	352.00	428.0	2 000	2 800	N322	11.100	N	340	68	4.0	4.0	628.00	825.0	1 400	1 800	NU332E	32.200	NU								
												220	36	2.0	1.1	297.00	540.0	630	1 200	NCF2932V	4.100	NCF								

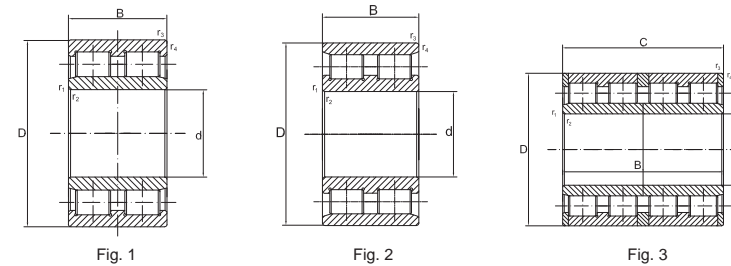
Single - row cylindrical roller bearings | Łożyska walcowe jednorzędowe



DIMENSIONS					BASIC LOAD RATING		LIMITING SPEEDS		BASIC DESIGNATIONS	MASS	SKETCH	
WYMIARY GŁÓWNE					NOŚNOŚĆ		OBROTY GRANICZNE					OZNACZENIE PODSTAWOWE
d	D	B	r _{1,2}	r _{3,4}	dynamic	static	grease	oil	C	C ₀	C _g	
mm					kN		r/min					~
170	230	36	2.0	2.0	330.00	560.0	600	1 200	NCF2934V	4.250	NCF	
	310	52	4.0	4.0	425.00	650.0	1 500	1 900	N234	18.700	N	
	310	52	4.0	4.0	425.00	650.0	1 500	1 900	NU234EM	19.200	NU	
	360	72	4.0	4.0	715.00	952.0	1 300	1 700	N334	37.200	N	
180	280	46	4.0	4.0	340.00	485.0	2 400	2 900	NU1036EM	10.300	NU	
	320	52	4.0	4.0	425.00	650.0	1 400	1 800	N236	20.000	N	
	380	75	4.0	4.0	835.00	1100.0	1 200	1 600	N336	42.500	N	
	380	75	4.0	4.0	905.00	1150.0	1 500	1 800	NJ336E	42.500	NJ	
190	250	42	2.0	2.0	39.30	70.1	560	1 000	NCF2936V	6.200	NCF	
	340	55	4.0	4.0	695.00	955.0	1 600	1 900	NU238EM	24.000	NU	
	340	92	4.0	4.0	917.00	1313.0	1 600	1 900	NU2238E	37.800	NU	
	400	132	5.0	5.0	1900.00	2650.0	1 200	1 500	NU1040M	84.400	NU	
200	280	48	2.1	2.1	550.00	940.0	530	1 000	NCF2940V	9.150	NCF	
	420	80	5.0	5.0	988.00	1300.0	1400	1 700	NU340M	57.100	NU	
	270	24	1.5	1.5	181.00	385.0	900	1 100	NCF1844V	2.800	NCF	
220	400	65	4.0	4.0	1060.00	1290.0	1 500	1 800	NU244	38.100	NU	
	400	65	4.0	4.0	1060.00	1290.0	1 500	1 800	NUP244	38.100	NUP	
	460	145	5.0	5.0	2380.00	3450.0	1 760	2 200	NU2344EMA	119.000	NU	
	300	28	2.0	2.0	240.00	490.0	900	1 000	NCF1848V	4.400	NCF	
240	360	56	3.0	3.0	540.00	850.0	1 600	2 000	NU1048M	19.900	NU	
	400	65	4.0	4.0	6454.00	1000.0	1 600	1 900	NU1052M	29.100	NU	
270	360	60	2.1	1.5	790.00	1460.0	750	950	NCF2952V	18.500	NCF	
280	380	60	2.1	2.1	853.00	1670.0	700	900	NCF2956V	19.700	NCF	
	580	175	5.0	5.0	2720.00	4270.0	1 360	1 700	NU2356M	226.000	NU	
340	460	72	3.0	3.0	1100.00	2360.0	560	700	NCF2968V	34.800	NCF	
	480	46	2.1	1.5	627.00	1290.0	530	600	NCF1876V	19.200	NCF	
400	540	82	4.0	4.0	1532.00	3336.0	480	600	NCF2980V	54.300	NCF	
	420	560	65	4.0	968.00	1800.0	900	1 100	NU1984M	48.000	NU	
440	560	82	4.0	4.0	1120.00	2640.0	850	1 000	NJ2984	56.900	NJ	
	650	94	6.0	6.0	1560.00	2750.0	850	1 000	NU 1088EM	107.000	NU	
560	680	56	3.0	3.0	768.00	1720.0	670	800	NJ18/560EMA	42.450	NJ	
	750	112	5.0	5.0	2000.00	4725.0	600	750	NJ29/560	140.000	NJ	
710	870	95	4.0	4.0	2080.00	5500.0	260	320	NJ28/710-M1A	124.000	NJ	
22	47	18	2.0	1.0	35.00	26.0	-	-	CBK-497 *	0.140	CBK	
30	61.935	19.05	2.7	1.0	37.00	44.0	-	-	CBK-239 *	0.270	CBK	
49.930	80	15	0.3	0.3	28.00	33.0	-	-	CBK-238 *	0.270	CBK	

* - bearings without cage with full quantity of rollers
* - łożyska bez kosza z pełną ilością walczków

Multi - row cylindrical roller bearings | Łożyska walcowe wielorzędowe



SUFFIX	Characters placed after basic designation
M	solid brass cage, centered on rolling elements ● kosz masywny mosiężny prowadzony na elementach toczych
K	bearing with tapered bore, taper 1:12 ● łożyska z otworem stożkowym, o zbieżności 1:12
FD	solid steel folded cage, centered on rolling elements ● kosz masywny stalowy składany prowadzony na elementach toczych
W33	lubrication groove and holes on outer ring ● rowek smarowy i otwory w pierścieniu zewnętrznym
V	bearing without cage with full quantity of rolling elements ● łożysko bez kosza z pełną ilością walczków

DIMENSIONS								BASIC LOAD RATING		BASIC DESIGNATION	LIMITING SPEEDS		MASS	SKETCH	
WYMIARY GŁÓWNE								NOŚNOŚĆ			OZNACZENIE PODSTAWOWE	OBROTY GRANICZNE			MASA
d	D	B	C	r _{1,2}	r _{3,4}	D ₁	F	dynamic	static	C		C ₀	grease	oil	
mm								kN			r/min		kg		
90	140	37		1.5	1.5			140	224	NN3018K		5 600	6700	2.050	FIG. 2
180	250	69		2.0	2.0			402	850	NNU4936MW33		2 720	3400	10.600	FIG. 1
220	340	90		2.0	3.0			770	1 370	NN3044KM		2 080	2600	28.2	FIG. 2
240	360	92		3.0	3.0			850	1 560	NN3048KM		2 000	2600	31.6	FIG. 2
280	380	100		2.1	2.1			1 150	2 750	NNCL4956V		720	900	32.7	FIG. 2
950	1 360	975	975	20x20°	6.0	1235	1075	31 100	104 250	229-1190FD				4700.0	FIG. 3

