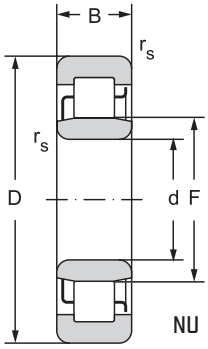


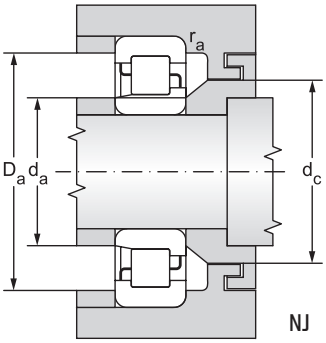
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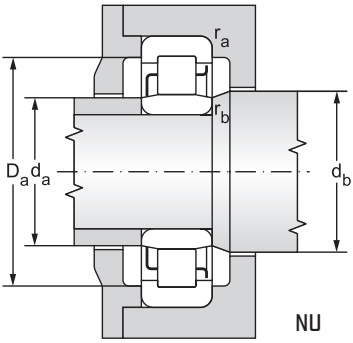
NU

12.12.3

Main dimensions							Bearing designation	Basic load rating	
d	D	B	r_s min	r_{1s} min	F	$s_{1)}$		dynamic C_r	static C_{or}
mm								kN	
70	125	24,00	1,5	1,5	83,500	1,6	**NU214EM TM01**	119,0	137,0
	125	24,00	1,5	1,5	83,500	1,6	**NJ214EM TM01**	119,0	137,0
	125	31,00	1,5	1,5	83,500	1,6	**NU2214EM TM01**	156,0	194,0
	125	31,00	1,5	1,5	83,500	1,6	**NJ2214EM TM01**	156,0	194,0
	150	35,00	2,1	2,1	89,000	1,5	**NU314EM TM01**	205,0	222,0
	150	35,00	2,1	2,1	89,000	1,5	**NJ314EM TM01**	205,0	222,0
75	130	25,00	1,5	1,5	88,500	1,6	**NU215EM TM01**	130,0	156,0
	130	25,00	1,5	1,5	88,500	1,6	**NJ215EM TM01**	130,0	156,0
	130	31,00	1,5	1,5	88,500	2,1	**NU2215EM TM01**	162,0	207,0
	130	31,00	1,5	1,5	88,500	2,1	**NJ2215EM TM01**	162,0	207,0
	160	37,00	2,1	2,1	95,000	1,5	**NU315EM TM01**	240,0	263,0
	160	37,00	2,1	2,1	95,000	1,5	**NJ315EM TM01**	240,0	263,0
80	140	26,00	2,0	2,0	95,300	2,0	**NU216EM TM01**	139,0	167,0
	140	26,00	2,0	2,0	95,300	2,0	**NJ216EM TM01**	139,0	167,0
	170	39,00	2,1	2,1	101,000	1,5	**NU316EM TM01**	256,0	282,0
	170	39,00	2,1	2,1	101,000	1,5	**NJ316EM TM01**	256,0	282,0
85	150	28,00	2,0	2,0	100,500	2,0	**NU217EM TM01**	167,0	199,0
	150	28,00	2,0	2,0	100,500	2,0	**NJ217EM TM01**	167,0	199,0
	180	41,00	3,0	3,0	108,000	2,0	**NU317EM TM01**	291,0	330,0
	180	41,00	3,0	3,0	108,000	2,0	**NJ317EM TM01**	291,0	330,0
90	160	30,00	2,0	2,0	107,000	2,0	**NU218EM TM01**	182,0	217,0
	160	30,00	2,0	2,0	107,000	2,0	**NJ218EM TM01**	182,0	217,0
	190	43,00	3,0	3,0	113,500	2,0	**NU318EM TM01**	315,0	355,0
	190	43,00	3,0	3,0	113,500	2,0	**NJ318EM TM01**	315,0	355,0
95	170	32,00	2,1	2,1	112,500	2,0	**NU219EM TM01**	220,0	265,0
	170	32,00	2,1	2,1	112,500	2,0	**NJ219EM TM01**	220,0	265,0
	200	45,00	3,0	3,0	121,500	1,9	**NU319EM TM01**	335,0	385,0
	200	45,00	3,0	3,0	121,500	1,9	**NJ319EM TM01**	335,0	385,0
100	180	34,00	2,1	2,1	119,000	2,0	**NU220EM TM01**	249,0	305,0
	180	34,00	2,1	2,1	119,000	2,0	**NJ220EM TM01**	249,0	305,0
	215	47,00	3,0	3,0	127,500	2,0	**NU320EM TM01**	380,0	425,0
	215	47,00	3,0	3,0	127,500	2,0	**NJ320EM TM01**	380,0	425,0

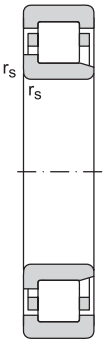


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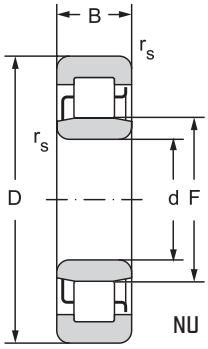


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Fatique load limit	Limiting speed for lubrication with		Abutment and fillet dimensions							Weight
P_u	grease	oil	d	d_a min	d_a max	d_b min	D_a max	r_a max	r_b max	~
kN	min^{-1}		mm							kg
16,71	5000	6300	70	77	82,0	86,0	116	1,5	1,5	1,30
16,71	5000	6300		77	82,0	86,0	116	1,5	1,5	1,30
23,66	4500	5600		77	82,0	86,0	116	1,5	1,5	1,50
23,66	4500	5600		77	82,0	86,0	116	1,5	1,5	1,50
26,31	4000	5000		81	85,0	92,0	138	2,0	2,0	3,10
26,31	4000	5000		81	85,0	92,0	138	2,0	2,0	3,10
18,88	4800	6000	75	82	85,0	90,0	121	1,5	1,5	1,50
18,88	4800	6000		82	85,0	90,0	121	1,5	1,5	1,50
25,06	4300	5300		82	85,0	90,0	121	1,5	1,5	1,60
25,06	4300	5300		82	85,0	90,0	121	1,5	1,5	1,60
30,56	3800	4800		86	93,0	97,0	148	2,0	2,0	3,70
30,56	3800	4800		86	93,0	97,0	148	2,0	2,0	3,70
19,79	4500	5300	80	90	92,0	97,0	130	2,0	2,0	1,70
19,79	4500	5300		90	92,0	97,0	130	2,0	2,0	1,70
32,16	3600	4300		99	97,0	105,0	158	2,0	2,0	4,50
32,16	3600	4300		99	97,0	105,0	158	2,0	2,0	4,50
23,12	4300	5000	85	95	99,0	104,0	140	2,0	2,0	2,10
23,12	4300	5000		95	99,0	104,0	140	2,0	2,0	2,10
36,99	3300	4000		98	103,0	110,0	166	2,5	2,5	5,30
36,99	3300	4000		98	103,0	110,0	166	2,5	2,5	5,30
24,75	4000	4800	90	100	105,0	109,0	150	2,0	2,0	2,60
24,75	4000	4800		100	105,0	109,0	150	2,0	2,0	2,60
39,14	3200	3800		103	110,0	116,0	176	2,5	2,5	6,10
39,14	3200	3800		103	110,0	116,0	176	2,5	2,5	6,10
29,70	3800	4500	95	107	111,0	116,0	158	2,0	2,0	3,20
29,70	3800	4500		107	111,0	116,0	158	2,0	2,0	3,20
41,78	3000	3600		109	119,0	124,0	186	2,5	2,5	7,10
41,78	3000	3600		109	119,0	124,0	186	2,5	2,5	7,10
33,62	3600	4300	100	112	117,0	122,0	168	2,0	2,0	3,80
33,62	3600	4300		112	117,0	122,0	168	2,0	2,0	3,80
45,23	2800	3400		113	125,0	132,0	201	2,0	2,0	8,60
45,23	2800	3400		113	125,0	132,0	201	2,0	2,0	8,60



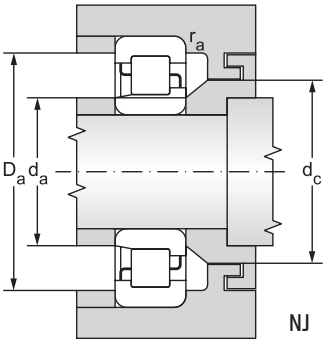
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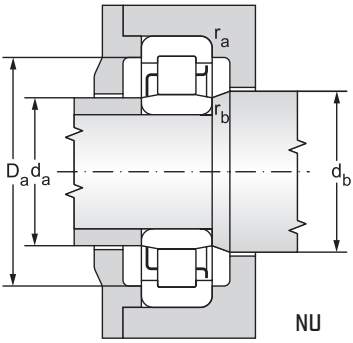
NU

12.12.3

Main dimensions							Bearing designation	Basic load rating	
d	D	B	r_s min	r_{1s} min	F	$s_{1)}$		dynamic C_r	static C_{or}
mm								kN	
110	200	38,00	2,1	2,1	132,500	2,5	**NU222EM TM01**	293,0	365,0
	200	38,00	2,1	2,1	132,500	2,5	**NJ222EM TM01**	293,0	365,0
	240	50,00	3,0	3,0	143,000	2,7	**NU322EM TM01**	450,0	525,0
	240	50,00	3,0	3,0	143,000	2,7	**NJ322EM TM01**	450,0	525,0
120	180	28,00	2,0	1,1	135,000	2,0	**NU1024M TM01**	131,0	168,0
	215	40,00	2,1	2,1	143,500	2,5	**NU224EM TM01**	335,0	420,0
	215	40,00	2,1	2,1	143,500	2,5	**NJ224EM TM01**	335,0	420,0
	260	55,00	3,0	3,0	154,000	2,7	**NU324EM TM01**	530,0	610,0
	260	55,00	3,0	3,0	154,000	2,7	**NJ324EM TM01**	530,0	610,0
130	200	33,00	2,0	1,1	148,000	2,0	**NU1026M TM01**	162,0	203,0
	230	40,00	3,0	3,0	153,500	2,5	**NU226EM TM01**	365,0	455,0
	230	40,00	3,0	3,0	153,500	2,5	**NJ226EM TM01**	365,0	455,0
	280	58,00	4,0	4,0	167,000	2,9	**NU326EM TM01**	615,0	735,0
	280	58,00	4,0	4,0	167,000	2,9	**NJ326EM TM01**	615,0	735,0
140	210	33,00	2,0	1,1	158,000	2,0	**NU1028M TM01**	176,0	250,0
	250	42,00	3,0	3,0	169,000	2,5	**NU228EM TM01**	395,0	515,0
	250	42,00	3,0	3,0	169,000	2,5	**NJ228EM TM01**	395,0	515,0
	300	62,00	4,0	4,0	180,000	2,7	**NU328EM TM01**	665,0	795,0
	300	62,00	4,0	4,0	180,000	2,7	**NJ328EM TM01**	665,0	795,0
150	225	35,00	2,1	1,5	169,500	2,0	**NU1030M TM01**	192,0	251,0
	270	45,00	3,0	3,0	182,000	2,4	**NU230EM TM01**	450,0	595,0
	270	45,00	3,0	3,0	182,000	2,4	**NJ230EM TM01**	450,0	595,0
	320	65,00	4,0	4,0	193,000	2,7	**NU330EM TM01**	760,0	920,0
	320	65,00	4,0	4,0	193,000	2,7	**NJ330EM TM01**	760,0	920,0



NJ



NU

Fatique load limit	Limiting speed for lubrication with		Abutment and fillet dimensions							Weight
P_u	grease	oil	d	d_a min	d_a max	d_b min	D_a max	r_a max	r_b max	~
kN	min^{-1}		mm							kg
39,03	3200	3800	110	122	125,0	135,0	188	2,0	2,0	5,40
39,03	3200	3800		122	125,0	135,0	188	2,0	2,0	5,40
54,13	2600	3000		124	135,0	145,0	226	2,5	2,5	11,8
54,13	2600	3000		124	135,0	145,0	226	2,5	2,5	11,8
18,14	3300	4000	120	128	131,0	138,0	171	2,0	1,0	2,45
43,88	3000	3400		132	138,0	146,0	203	2,0	2,0	6,40
43,88	3000	3400		132	138,0	146,0	203	2,0	2,0	6,40
61,36	2200	2800		134	145,0	156,0	246	2,5	2,5	15,0
61,36	2200	2800		134	145,0	156,0	246	2,5	2,5	15,0
21,30	3200	3800	130	138	143,0	151,0	191	2,0	1,0	3,75
46,52	2600	3200		144	150,0	158,0	216	2,5	2,5	8,00
46,52	2600	3200		144	150,0	158,0	216	2,5	2,5	8,00
72,27	2200	2600		148	155,0	169,0	262	3,0	3,0	18,7
72,27	2200	2600		148	155,0	169,0	262	3,0	3,0	18,7
25,78	3000	3600	140	149	153,0	161,0	201	2,0	1,0	3,90
51,40	2400	3000		154	160,0	171,0	236	2,5	2,5	9,40
51,40	2400	3000		154	160,0	171,0	236	2,5	2,5	9,40
76,53	2000	2400		158	166,0	182,0	282	3,0	3,0	23,0
76,53	2000	2400		158	166,0	182,0	282	3,0	3,0	23,0
25,35	2700	3200	150	159	165,0	173,0	213	2,0	1,5	4,85
58,08	2200	2800		164	170,0	184,0	256	2,5	2,5	12,0
58,08	2200	2800		164	170,0	184,0	256	2,5	2,5	12,0
86,83	1800	2200		168	185,0	195,0	302	3,0	3,0	27,0
86,83	1800	2200		168	185,0	195,0	302	3,0	3,0	27,0