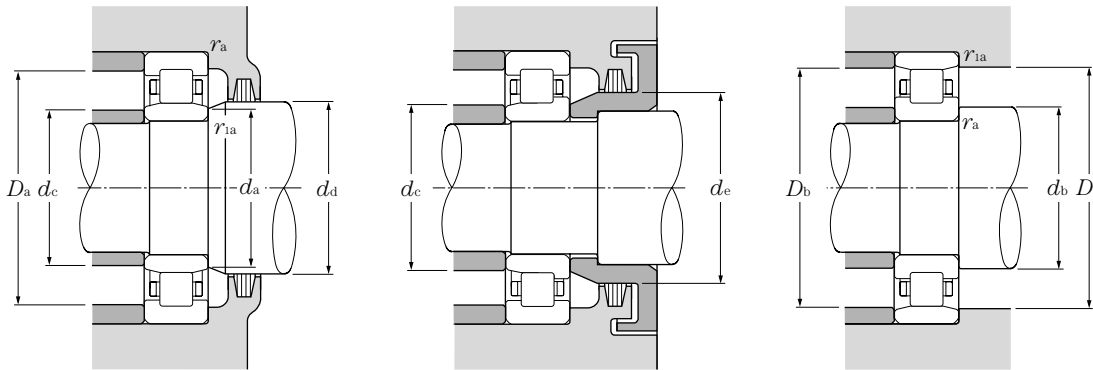


## d 55 ~ 70mm

d	Boundary dimensions					Basic load ratings				Limiting speeds <sup>①</sup>		Bearing numbers			
	mm					dynamic	static	dynamic	static	rpm		type	type	type	type
	D	B	r <sub>s min</sub> <sup>②</sup>	r <sub>1s min</sub> <sup>②</sup>	C <sub>r</sub>	kN	C <sub>or</sub>	kgf	C <sub>r</sub>	C <sub>or</sub>	grease	oil	NU	NJ	NUP
60	110	28	1.5	1.5	131	157	13,400	16,000	5,200	6,100	NU2212E	NJ	NUP		
	130	31	2.1	2.1	124	126	12,600	12,900	5,500	6,500	NU312	NJ	NUP	N	
	130	31	2.1	2.1	150	157	15,200	16,000	4,900	5,800	NU312E	NJ	NUP		
	130	46	2.1	2.1	169	188	17,200	19,200	4,800	5,700	NU2312	NJ	NUP	N	
	130	46	2.1	2.1	222	262	22,700	26,700	4,400	5,200	NU2312E	NJ	NUP		
	150	35	2.1	2.1	167	168	17,100	17,200	3,900	4,600	NU412	NJ	NUP	N	
65	100	18	1.1	1	41.0	51.0	4,200	5,200	7,000	8,200	NU1013	NJ	NUP	N	
	120	23	1.5	1.5	84.0	94.5	8,550	9,650	5,900	7,000	NU213	NJ	NUP	N	
	120	23	1.5	1.5	108	119	11,000	12,100	5,400	6,300	NU213E	NJ	NUP		
	120	31	1.5	1.5	120	149	12,200	15,200	5,400	6,300	NU2213	NJ	NUP	N	
	120	31	1.5	1.5	149	181	15,200	18,400	4,800	5,600	NU2213E	NJ	NUP		
	140	33	2.1	2.1	135	139	13,800	14,200	5,100	6,000	NU313	NJ	NUP	N	
	140	33	2.1	2.1	181	191	18,400	19,500	4,600	5,400	NU313E	NJ	NUP		
	140	48	2.1	2.1	188	212	19,100	21,700	4,400	5,200	NU2313	NJ	NUP	N	
140	48	2.1	2.1	248	287	25,200	29,300	4,100	4,800	NU2313E	NJ	NUP			
160	37	2.1	2.1	182	186	18,600	19,000	3,600	4,300	NU413	NJ	NUP	N		
70	110	20	1.1	1	58.5	70.5	5,950	7,200	6,500	7,600	NU1014	NJ	NUP	N	
	125	24	1.5	1.5	83.5	95.0	8,500	9,700	5,500	6,500	NU214	NJ	NUP	N	
	125	24	1.5	1.5	119	137	12,100	14,000	5,000	5,900	NU214E	NJ	NUP		
	125	31	1.5	1.5	119	151	12,200	15,400	5,000	5,900	NU2214	NJ	NUP	N	
	125	31	1.5	1.5	156	194	15,900	19,800	4,500	5,200	NU2214E	NJ	NUP		
	150	35	2.1	2.1	158	168	16,100	17,200	4,700	5,500	NU314	NJ	NUP	N	
	150	35	2.1	2.1	205	222	20,900	22,600	4,200	5,000	NU314E	NJ	NUP		
	150	51	2.1	2.1	223	262	22,700	26,700	4,100	4,800	NU2314	NJ	NUP	N	
	150	51	2.1	2.1	274	325	27,900	33,000	3,800	4,400	NU2314E	NJ	NUP		
180	42	3	3	228	236	23,200	24,000	3,400	4,000	NU414	NJ	NUP	N		
75	115	20	1.1	1	60.0	74.5	6,100	7,600	6,100	7,100	NU1015	NJ	NUP	N	
	130	25	1.5	1.5	96.5	111	9,850	11,300	5,100	6,000	NU215	NJ	NUP	N	
	130	25	1.5	1.5	130	156	13,300	16,000	4,700	5,500	NU215E	NJ	NUP		
	130	31	1.5	1.5	130	162	13,200	16,500	4,700	5,500	NU2215	NJ	NUP	N	
	130	31	1.5	1.5	162	207	16,500	21,100	4,200	4,900	NU2215E	NJ	NUP		
	160	37	2.1	2.1	190	205	19,400	20,900	4,400	5,200	NU315	NJ	NUP	N	
	160	37	2.1	2.1	240	263	24,500	26,800	4,000	4,700	NU315E	NJ	NUP		
	160	55	2.1	2.1	258	300	26,300	31,000	3,800	4,500	NU2315	NJ	NUP	N	

① This value achieved with machined cages; when pressed cages are used, 80% of this value is acceptable.

② Minimal allowable dimension for chamfer dimension r or r<sub>1</sub>.



**Equivalent bearing load**  
**dynamic**  
 $P_r = F_r$   
**static**  
 $P_{or} = F_r$

type	Dimensions			Abutment and fillet dimensions								Mass			
	mm			mm								kg			
NF	$F_w$	$E_w$	$J$	$d_a$ min	$d_b$ min	$d_c$ max	$d_d$ min	$d_e$ min	$D_a$ max	$D_b$ max	$D_b$ min <sup>④</sup>	$r_{as}$ max	$r_{ias}$ max	type NU (approx.)	type N
NF	72		77.6	68		71	75	80	102			1.5	1.5	1.21	
	77	113	84.2	71	71	75	79	86	119	119	116	2	2	1.8	1.76
	77		84.6	71		75	79	86	119			2	2	2.05	
	77	113	84.2	71	71	75	79	86	119	119	116	2	2	2.71	2.66
NF	77		84.6	71		75	79	86	119			2	2	2.96	
	83	127	91.8	71	71	82	85	94	139	139	128	2	2	3	2.93
NF	74.5	90.5	77.7	70	71.5	73	76	78.5	93.5	95	91.5	1	1	0.485	0.477
	79.6	105.6	84.8	73	73	77	81	87	112	112	108	1.5	1.5	1.02	1
	78.5		84.5	73		77	81	87	112			1.5	1.5	1.21	
	79.6	105.6	84.8	73	73	77	81	87	112	112	108	1.5	1.5	1.4	1.37
	78.5		84.5	73		77	81	87	112			1.5	1.5	1.6	
NF	83.5	121.5	91	76	76	81	85	93	129	129	125	2	2	2.23	2.18
	82.5		91	76		81	85	93	129			2	2	2.54	
	83.5	121.5	91	76	76	81	85	93	129	129	125	2	2	3.27	3.2
	82.5		91	76		81	85	93	129			2	2	3.48	
NF	89.3	135.3	98.5	76	76	88	91	100	149	149	137	2	2	3.6	3.5
NF	80	100	84	75	76.5	78	82	85	103.5	105	101	1	1	0.699	0.689
	84.5	110.5	89.6	78	78	82	86	92	117	117	114	1.5	1.5	1.12	1.1
	83.5		89.5	78		82	86	92	117			1.5	1.5	1.3	
	84.5	110.5	89.6	78	78	82	86	92	117	117	114	1.5	1.5	1.47	1.44
	83.5		89.5	78		82	86	92	117			1.5	1.5	1.7	
NF	90	130	98	81	81	87	92	100	139	139	134	2	2	2.71	2.65
	89		98	81		87	92	100	139			2	2	3.1	
	90	130	98	81	81	87	92	100	139	139	134	2	2	3.98	3.9
	89		98	81		87	92	100	139			2	2	4.25	
NF	100	152	110.5	83	83	99	102	112	167	167	153	2.5	2.5	5.24	5.1
NF	85	105	89	80	81.5	83	87	90	108.5	110	106	1	1	0.738	0.727
	88.5	116.5	94	83	83	87	90	96	122	122	120	1.5	1.5	1.23	1.21
	88.5		94.5	83		87	90	96	122			1.5	1.5	1.41	
	88.5	116.5	94	83	83	87	90	96	122	122	120	1.5	1.5	1.55	1.52
	88.5		94.5	83		87	90	96	122			1.5	1.5	1.79	
NF	95.5	139.5	104.2	86	86	93	97	106	149	149	143	2	2	3.28	3.21
	95		104.6	86		93	97	106	149			2	2	3.74	
	95.5	139.5	104.2	86	86	93	97	106	149	149	143	2	2	4.87	4.77

④ Does not apply to side of the outer ring rib of type NF bearings.