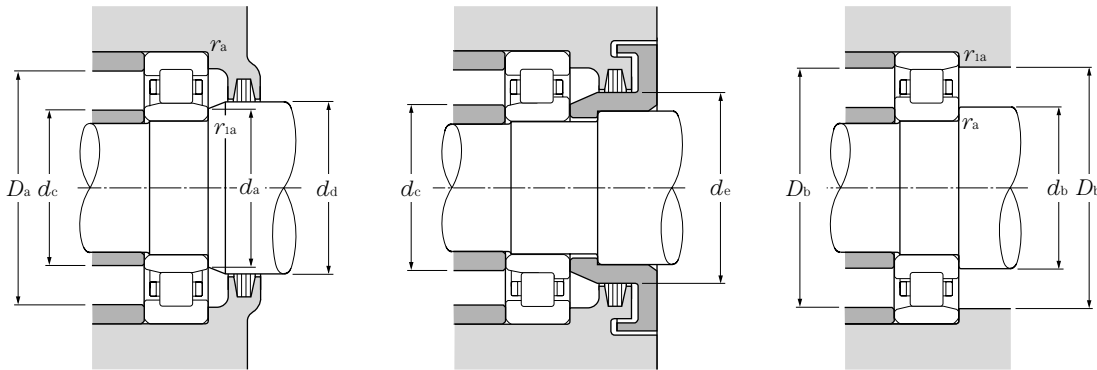


d 20 ~ 35mm

d	Boundary dimensions				Basic load ratings				Limiting speeds ^①		Bearing numbers			
	mm				dynamic	static	dynamic	static	rpm		type	type	type	type
	D	B	r _{s min} ^②	r _{1s min} ^②	C _r	C _{or}	C _r	C _{or}	grease	oil	NU	NJ	NUP	N
20	47	14	1	0.6	25.7	22.6	2,620	2,310	15,000	18,000	NU204E	NJ	NUP	N
	47	18	1	0.6	30.5	28.3	3,100	2,890	14,000	16,000	NU2204E	NJ	NUP	N
	52	15	1.1	0.6	31.5	26.9	3,200	2,740	13,000	15,000	NU304E	NJ	NUP	N
	52	21	1.1	0.6	42.0	39.0	4,300	3,950	12,000	14,000	NU2304E	NJ	NUP	N
25	47	12	0.6	0.3	15.1	14.1	1,540	1,430	16,000	19,000	NU1005	NJ	NUP	N
	52	15	1	0.6	29.3	27.7	2,990	2,830	13,000	15,000	NU205E	NJ	NUP	N
	52	18	1	0.6	35.0	34.5	3,550	3,550	11,000	13,000	NU2205E	NJ	NUP	N
	62	17	1.1	1.1	41.5	37.5	4,250	3,800	11,000	13,000	NU305E	NJ	NUP	N
	62	24	1.1	1.1	57.0	56.0	5,800	5,700	9,700	11,000	NU2305E	NJ	NUP	N
80	21	1.5	1.5	46.5	40.0	4,750	4,050	8,500	10,000	NU405	NJ	NUP	N	
30	55	13	1	0.6	19.7	19.6	2,000	2,000	14,000	16,000	NU1006	NJ	NUP	N
	62	16	1	0.6	39.0	37.5	4,000	3,800	11,000	13,000	NU206E	NJ	NUP	N
	62	20	1	0.6	49.0	50.0	5,000	5,100	9,700	11,000	NU2206E	NJ	NUP	N
	72	19	1.1	1.1	53.0	50.0	5,400	5,100	9,300	11,000	NU306E	NJ	NUP	N
	72	27	1.1	1.1	74.5	77.5	7,600	7,900	8,300	9,700	NU2306E	NJ	NUP	N
90	23	1.5	1.5	62.5	55.0	6,400	5,600	7,300	8,500	NU406	NJ	NUP	N	
35	62	14	1	0.6	22.6	23.2	2,310	2,360	12,000	15,000	NU1007	NJ	NUP	N
	72	17	1.1	0.6	50.5	50.0	5,150	5,100	9,500	11,000	NU207E	NJ	NUP	N
	72	23	1.1	0.6	61.5	65.5	6,300	6,650	8,500	10,000	NU2207E	NJ	NUP	N
	80	21	1.5	1.1	71.0	71.0	7,200	7,200	8,100	9,600	NU307E	NJ	NUP	N
	80	31	1.5	1.1	99.0	109	10,100	11,100	7,200	8,500	NU2307E	NJ	NUP	N
	100	25	1.5	1.5	75.5	69.0	7,700	7,050	6,400	7,500	NU407	NJ	NUP	N
40	68	15	1	0.6	27.3	29.0	2,780	2,950	11,000	13,000	NU1008	NJ	NUP	N
	80	18	1.1	1.1	43.5	43.0	4,450	4,350	9,400	11,000	NU208	NJ	NUP	N
	80	18	1.1	1.1	55.5	55.5	5,700	5,650	8,500	10,000	NU208E	NJ	NUP	N
	80	23	1.1	1.1	58.0	62.0	5,950	6,300	8,500	10,000	NU2208	NJ	NUP	N
	80	23	1.1	1.1	72.5	77.5	7,400	7,900	7,600	8,900	NU2208E	NJ	NUP	N
	90	23	1.5	1.5	58.5	57.0	6,000	5,800	8,000	9,400	NU308	NJ	NUP	N
	90	23	1.5	1.5	83.0	81.5	8,500	8,300	7,200	8,500	NU308E	NJ	NUP	N
	90	33	1.5	1.5	82.5	88.0	8,400	8,950	7,000	8,200	NU2308	NJ	NUP	N
	90	33	1.5	1.5	114	122	11,600	12,500	6,400	7,500	NU2308E	NJ	NUP	N
110	27	2	2	95.5	89.0	9,750	9,100	5,700	6,700	NU408	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 r₁.



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

type	Dimensions			Abutment and fillet dimensions										Mass	
	mm			d_a	d_b	d_c	d_d	d_e	D_a	D_b	r_{as}	r_{ias}	type NU	type N	
NF	F_w	E_w	J	min	min	max	min	min	max	max	min ^④	max	max	(approx.)	
NF	26.5		29.5	24		26	29	32	42			1	0.6	0.122	
	26.5		29.5	24		26	29	32	42			1	0.6	0.158	
	27.5		31.1	24		27	30	33	45.5			1	0.6	0.176	
	27.5		31.1	24		27	30	33	45.5			1	0.6	0.242	
NF	30.5	41.5	32.7	27	29	30	32	33	43	45	42.5	0.6	0.3	0.092	0.091
	31.5		34.5	29		31	34	37	47			1	0.6	0.151	
	31.5		34.5	29		31	34	37	47			1	0.6	0.186	
	34		38	31.5		33	37	40	55.5			1	1	0.275	
	34		38	31.5		33	37	40	55.5			1	1	0.386	
	38.8	62.8	43.6	33	33	38	41	46	72	72	64	1.5	1.5	0.55	0.536
NF	36.5	48.5	38.9	34	35	35	38	39.5	50	51	49.5	1	0.6	0.13	0.128
	37.5		41.1	34		37	40	44	57			1	0.6	0.226	
	37.5		41.1	34		37	40	44	57			1	0.6	0.297	
	40.5		44.9	36.5		40	44	48	65.5			1	1	0.398	
	40.5		44.9	36.5		40	44	48	65.5			1	1	0.58	
	45	73	50.5	38	38	44	47	52	82	82	74	1.5	1.5	0.751	0.732
NF	42	55	44.6	39	40	41	44	45	57	58	56	1	0.6	0.179	0.176
	44		48	39		43	46	50	65.5			1	0.6	0.327	
	44		48	39		43	46	50	65.5			1	0.6	0.455	
	46.2		51	41.5		45	48	53	72			1.5	1	0.545	
	46.2		51	41.5		45	48	53	72			1.5	1	0.78	
	53	83	59	43	43	52	55	61	92	92	84	1.5	1.5	0.99	0.965
NF	47	61	49.8	44	45	46	49	50.5	63	64	62	1	0.6	0.22	0.217
	50	70	54.2	46.5	46.5	49	52	56	73.5	73.5	72	1	1	0.378	0.37
	49.5		53.9	46.5		49	52	56	73.5			1	1	0.426	
	50	70	54.2	46.5	46.5	49	52	56	73.5	73.5	72	1	1	0.49	0.48
	49.5		53.9	46.5		49	52	56	73.5			1	1	0.552	
	53.5	77.5	58.4	48	48	51	55	60	82	82	80	1.5	1.5	0.658	0.643
NF	52		57.6	48		51	55	60	82			1.5	1.5	0.754	
	53.5	77.5	58.4	48	48	51	55	60	82	82	80	1.5	1.5	0.951	0.932
	52		57.6	48		51	55	60	82			1.5	1.5	1.06	
	58	92	64.8	49	49	57	60	67	101	101	93	2	2	1.3	1.27

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