

Bore Diameter 10 – 22 mm

Dynamic Equivalent Load

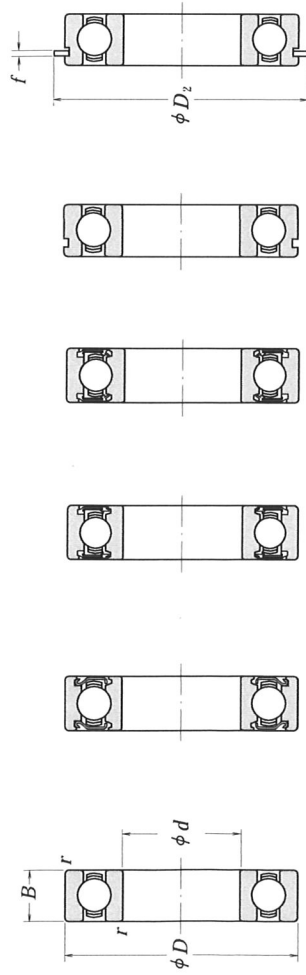
$$P = X F_r + Y F_a$$

$\frac{f_0 F_a}{C_{0r}}$	e	$\frac{F_a}{F_r} \leq e$		$\frac{F_a}{F_r} > e$	
		X	Y	X	Y
0.172	0.19	1	0	0.56	2.30
0.345	0.22	1	0	0.56	1.99
0.689	0.26	1	0	0.56	1.71
1.03	0.28	1	0	0.56	1.55
1.38	0.30	1	0	0.56	1.45
2.07	0.34	1	0	0.56	1.31
3.45	0.38	1	0	0.56	1.15
5.17	0.42	1	0	0.56	1.04
6.89	0.44	1	0	0.56	1.00

Static Equivalent Load

$$F_r > 0.8, P_0 = 0.6 F_r + 0.5 F_a$$

$$F_r \leq 0.8, P_0 = F_r$$



d	Boundary Dimensions (mm)			Basic Load Ratings (N)			Factor	Limiting Speeds (min ⁻¹)				Bearing Numbers		
	D	B	r min.	C _r	C _{0r}	C _r		Grease Open Z, VV	Oil DDU DDU	With Snap Ring Groove N	Contact Sealed Type DD, DDU	Non-Contact Sealed Type VV	Open	Shielded
10	19	5	0.3	1 720	840	175	14.8	34 000	24 000				6800	VV DD
	22	6	0.3	2 700	1 270	275	14.0	32 000	22 000				6900	VV DD
	26	8	0.3	4 550	1 970	465	12.4	30 000	22 000				6000	VV DDU
	30	9	0.6	5 100	2 390	520	13.2	24 000	18 000				6200	VV DDU
	35	11	0.6	8 100	3 450	825	11.2	22 000	17 000				6300	VV DDU
	38	13	0.3	9 700	4 200	990	11.1	20 000	16 000				6301	VV DDU
12	21	5	0.3	1 920	1 040	195	15.3	32 000	20 000				6801	VV DD
	24	6	0.3	2 890	1 460	295	14.5	30 000	20 000				6901	VV DD
	28	7	0.3	5 100	2 370	520	13.0	28 000	—				16001	—
	28	8	0.3	5 100	2 370	520	13.0	28 000	18 000				6001	VV DDU
	32	10	0.6	6 800	3 050	695	12.3	22 000	17 000				6201	VV DDU
	37	12	1	9 700	4 200	990	11.1	20 000	16 000				6301	VV DDU
15	24	5	0.3	2 070	1 260	212	15.8	28 000	17 000				6802	VV DD
	28	7	0.3	4 350	2 260	430	14.3	26 000	17 000				6902	VV DD
	32	8	0.3	5 600	2 830	570	13.9	24 000	—				16002	—
	32	9	0.3	5 600	2 830	570	13.9	24 000	15 000				6002	VV DDU
	35	11	0.6	7 650	3 750	780	13.2	20 000	14 000				6202	VV DDU
	42	13	1	11 400	5 450	1 170	12.3	17 000	13 000				6302	VV DDU
17	26	5	0.3	2 630	1 570	268	15.7	26 000	15 000				6803	VV DD
	30	7	0.3	4 600	2 550	470	14.7	24 000	15 000				6903	VV DD
	35	8	0.3	6 000	3 250	610	14.4	22 000	—				16003	—
	35	10	0.3	6 000	3 250	610	14.4	22 000	13 000				6003	VV DDU
	40	12	0.6	9 550	4 800	975	13.2	17 000	12 000				6203	VV DDU
	47	14	1	13 600	6 650	1 390	12.4	15 000	11 000				6303	VV DDU
20	32	7	0.3	4 000	2 470	410	15.5	22 000	13 000				6804	VV DD
	37	9	0.3	6 400	3 700	650	14.7	19 000	12 000				6904	VV DD
	42	8	0.3	7 900	4 450	810	14.5	18 000	—				16004	—
	42	12	0.6	9 400	5 000	955	13.8	18 000	11 000				6004	VV DDU
	47	14	1	12 800	6 600	1 300	13.1	15 000	11 000				6204	VV DDU
	52	15	1.1	15 900	7 900	1 620	12.4	14 000	10 000				6304	VV DDU
22	44	12	0.6	9 400	5 050	960	14.0	17 000	11 000				60/22	VV DDU
	50	14	1	12 900	6 800	1 320	13.5	14 000	9 500				62/22	VV DDU
	56	16	1.1	18 400	9 250	1 870	12.4	13 000	9 500				63/22	VV DDU

Notes (1) For tolerances for the snap ring grooves and snap ring dimensions, refer to Pages A50 to A53.

(2) When heavy axial loads are applied, increase d_f and decrease D_a from the above values.

(3) Ring types N and NR applicable only to open-type bearings. Please consult NSK about the snap ring groove dimensions of sealed or shielded bearings.

Remarks 1. Diameter Series 7 (extra thin section bearings) are also available, please contact NSK.

2. When using bearings with rotating outer rings, contact NSK if they are sealed, shielded, or have snap rings.