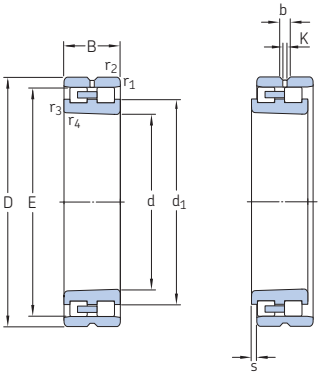
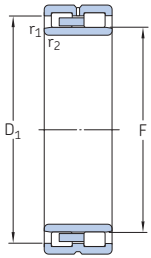
3.2 Double row cylindrical roller bearings

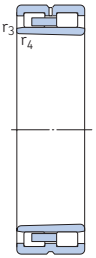
d **260 – 670** mm



NN 30 K/W33

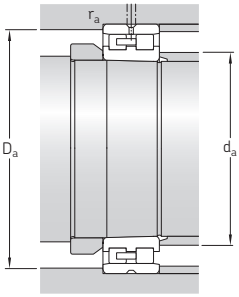


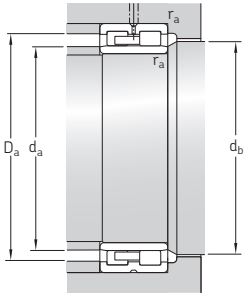
NNU 49 B/W33

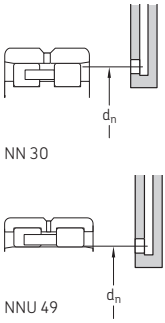


NNU 49 BK/W33

Principal dimensions			Basic load ratings		Fatigue load limit	Attainable speeds		Mass	Designations	
			dynamic	static		Grease lubrication	Oil-air lubrication		Bearing with a tapered bore	cylindrical bore
d	D	B	C	C_0	P_u					
mm			kN		kN	r/min		kg	–	
260	360	100	748	1 700	163	2 000	2 400	30,5	**NNU 4952 BK/SPW33**	**NNU 4952 B/SPW33**
	400	104	1 020	1 930	183	2 000	2 400	44	**NN 3052 K/SPW33**	**–**
280	380	100	765	1 800	170	1 900	2 200	32,5	**NNU 4956 BK/SPW33**	**NNU 4956 B/SPW33**
	420	106	1 080	2 080	196	1 900	2 200	47,5	**NN 3056 K/SPW33**	**–**
300	420	118	1 020	2 360	224	1 800	2 000	50	**NNU 4960 BK/SPW33**	**NNU 4960 B/SPW33**
	460	118	1 250	2 400	228	1 700	1 900	66,5	**NN 3060 K/SPW33**	**–**
320	440	118	1 060	2 500	232	1 700	1 900	50	**NNU 4964 BK/SPW33**	**NNU 4964 B/SPW33**
	480	121	1 320	2 600	240	1 600	1 800	71	**NN 3064 K/SPW33**	**–**
340	460	118	1 100	2 650	245	1 500	1 700	53	**NNU 4968 BK/SPW33**	**NNU 4968 B/SPW33**
	520	133	1 650	3 250	290	1 400	1 600	94,5	**NN 3068 K/SPW33**	**–**
360	480	118	1 120	2 800	250	1 500	1 700	55	**NNU 4972 BK/SPW33**	**NNU 4972 B/SPW33**
	540	134	1 720	3 450	310	1 300	1 500	102	**NN 3072 K/SPW33**	**–**
380	520	140	1 450	3 600	320	1 300	1 500	83,5	**NNU 4976 BK/SPW33**	**NNU 4976 B/SPW33**
	560	135	1 680	3 450	305	1 300	1 500	105	**NN 3076 K/SPW33**	**–**
400	540	140	1 470	3 800	335	1 300	1 500	87,5	**NNU 4980 BK/SPW33**	**NNU 4980 B/SPW33**
	600	148	2 160	4 500	380	1 200	1 400	135	**NN 3080 K/SPW33**	**–**
420	560	140	1 510	4 000	345	1 200	1 400	91	**NNU 4984 BK/SPW33**	**NNU 4984 B/SPW33**
	620	150	2 120	4 500	380	1 100	1 300	140	**NN 3084 K/SPW33**	**–**
460	620	160	2 090	5 500	465	1 000	1 200	130	**NNU 4992 BK/SPW33**	**NNU 4992 B/SPW33**
	680	163	2 600	5 500	440	1 000	1 200	190	**NN 3092 K/SPW33**	
500	670	170	2 330	6 100	490	950	1 100	165	**NNU 49/500 BK/SPW33X**	**NNU 49/500 B/SPW33X**
600	800	200	3 580	10 200	800	800	900	280	**NNU 49/600 BK/SPW33X**	**NNU 49/600 B/SPW33X**
670	900	230	4 950	13 700	930	700	800	410	**NNU 49/670 BK/SPW33X**	**NNU 49/670 B/SPW33X**







Dimensions							Abutment and fillet dimensions							Reference grease quantity[1) 3)]	
d	d_1, D_1	E, F	b	K	$r_{1,2}$ min.	s[2)]	d_a min.	d_a max.	d_b min.	D_a min.	D_a max.	r_a max.	d_n[3)]	G_{ref}	
mm							mm							cm^3	
260	325,6	292	13,9	3	2,1	1,1	4,5	271	288	296	–	349	2	294,5	366
	312,8	364	15,3	7,5	4	1,5	5	275	–	–	367	384	3	355,2	392
280	345,6	312	13,9	3	2,1	1,1	4,5	291	308	316	–	369	2	313,5	384
	332,8	384	15,3	7,5	4	1,5	5	295	–	–	387	404	3	375,3	420
300	379	339	16,7	3	3	1,1	5,5	313	335	343	–	407	2,5	362	420
	359	418	16,7	9	4	2	8,9	315	–	–	421	445	3	–	–
320	399	359	16,7	9	3	2	5,5	333	355	363	–	427	2,5	–	–
	379	438	16,7	9	4	2	8,9	335	–	–	442	465	3	–	–
340	419	379	16,7	9	3	1,5	5,5	353	375	383	–	447	2,5	–	–
	408	473	16,7	9	5	3	10,9	358	–	–	477	502	4	–	–
360	439	399	16,7	9	3	1,5	5,5	373	395	403	–	467	2,5	–	–
	428	493	16,7	9	5	2,5	10,9	378	–	–	497	520	4	–	–
380	470,8	426	16,7	9	4	2,5	5,5	395	421	431	–	505	3	–	–
	448	513	16,7	9	5	2,5	11,9	398	–	–	517	542	4	–	–
400	490,8	446	16,7	9	4	2,5	5,5	415	441	451	–	524	3	–	–
	475	549	16,7	9	5	2,5	12,4	418	–	–	553	582	4	–	–
420	510,5	466	16,7	9	4	2	5,5	435	461	471	–	544	3	–	–
	495	569	16,7	9	5	2	12,4	438	–	–	574	602	4	–	–
460	567	510	16,7	9	4	2	3,2	475	504	515	–	605	3	–	–
	542	624	22,3	12	6	3	14,4	483	–	–	627	657	5	–	–
500	611,6	554	22,3	12	5	3	3,5	548	548	559	–	652	4	–	–
600	733,2	666	22,3	12	5	2,5	5,5	648	662	672	–	782	4	–	–
670	821,2	738	22,3	12	6	3	6	693	732	744	–	877	5	–	–

1) For calculating the initial grease fill → **page 299**
2) Permissible axial displacement from the normal position of one bearing ring relative to the other.
3) For bearings with D > 420 mm, contact the SKF application engineering service.