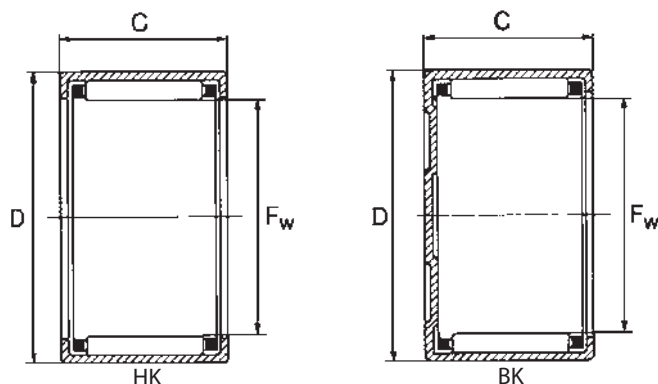


"The Winning Team"



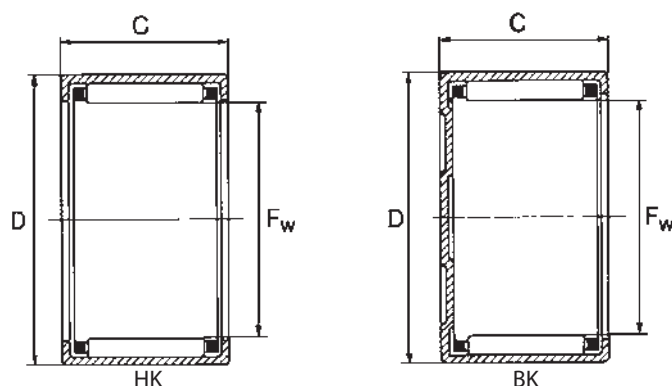
Bearings & Components

DRAWN CUP NEEDLE ROLLER BEARINGS OPEN END (HK) - ASTUCCI A RULLINI APERTI (HK)
DRAWN CUP NEEDLE ROLLER BEARINGS CLOSED END (BK) - ASTUCCI A RULLINI CON FONDELLO (BK)



Diametro albero (mm) Shaft diameter (mm)	Sigla Designation				Dimensioni (mm) Dimensions (mm)			Coefficienti di carico (N) Basic Load Ratings (N)		Velocità limite Limiting Speed
	Astucci a rullini aperti Open end	Peso (g) Weight (g)	Astucci a rullini con fondello Closed end	Peso (g) Weight (g)	Fw	D	C	Dinamico C Dynamic C	Statico Co Static Co	Olio (N. giri max) Oil (max rpm)
3	HK 0306 TN	1	BK 0306 TN	1	3	6.5	6	1 170	800	43 700
4	HK 0408 TN	1.6	BK 0408 TN	1.8	4	8	8	1 690	1 240	39 000
5	HK 0509	2	BK 0509	2.1	5	9	9	2 280	1 890	36 000
6	HK 0606	1.8	-	-	6	10	6	2 100	1 700	34 500
	HK 0608	2.1	BK 0608	2.2	6	10	8	1 900	1 570	33 200
	HK 0609	2.2	BK 0609	2.6	6	10	9	2 700	2 470	33 200
7	HK 0709	2.3	BK 0709	2.9	7	11	9	2 950	2 800	29 400
8	HK 0808	2.7	BK 0808	3	8	12	8	2 600	2 470	26 600
	HK 0810	3	BK 0810	3.4	8	12	10	3 600	3 750	26 600
9	HK 0908	3	BK 0908	3.4	9	13	8	3 370	3 560	23 700
	HK 0910	4	BK 0910	4.3	9	13	10	4 050	4 400	23 700
	HK 0912	4.6	BK 0912	4.9	9	13	12	5 040	6 000	23 700
10	HK 1010	4.1	BK 1010	4.3	10	14	10	4 180	4 850	21 850
	HK 1012	4.8	BK 1012	5	10	14	12	5 200	6 450	21 850
	HK 1015	6	BK 1015	6.2	10	14	15	6 450	8 350	21 850
12	HK 1210	4.6	BK 1210	5.2	12	16	10	4 700	5 900	19 000
	HK 1212	9	BK 1212	10	12	18	12	6 150	6 900	18 000
13	HK 1311	8.5	-	-	13	19	11	6 300	6 300	14 000
	HK 1312	8.9	BK 1312	11.2	13	19	12	6 450	7 500	17 000
14	HK 1412	10.5	BK 1412	12	14	20	12	6 800	8 000	15 200
15	HK 1512	11.1	BK 1512	12.7	15	21	12	7 500	8 950	15 200
	HK 1516	15	BK 1516	16.5	15	21	16	9 950	13 700	15 200
	HK 1522 - ZW	20.4	BK 1522	22	15	21	22	12 700	18 500	15 200
16	HK 1612	11.7	BK 1612	13.8	16	22	12	7 200	9 200	14 200
	HK 1616	15.8	BK 1616	17.6	16	22	16	10 300	14 500	14 200
	HK 1622 - ZW	21.7	BK 1622	23.4	16	22	22	12 450	18 400	14 200
17	HK 1712	12.2	BK 1712	14.5	17	23	12	7 500	9 750	13 300
	HK 1718	19	-	-	17	23	18	9 500	10 600	10 000
18	HK 1812	13.1	BK 1812	14.9	18	24	12	7 700	10 350	12 350
	HK 1816	17.5	BK 1816	19.9	18	24	16	11 000	16 400	12 350
20	HK 2010	11.8	BK 2010	14	20	26	10	6 100	7 800	11 400
	HK 2012	14.1	BK 2012	16.7	20	26	12	8 200	11 500	11 400
	HK 2016	19.3	BK 2016	22.3	20	26	16	12 000	19 100	11 400
	HK 2020	24.1	BK 2020	27.1	20	26	20	14 900	24 700	11 400
	HK 2030 - ZW	34.7	BK 2030	37.4	20	26	30	20 700	38 000	11 400

DRAWN CUP NEEDLE ROLLER BEARINGS OPEN END (HK) - ASTUCCI A RULLINI APERTI (HK)
DRAWN CUP NEEDLE ROLLER BEARINGS CLOSED END (BK) - ASTUCCI A RULLINI CON FONDELLO (BK)



Diametro albero (mm) Shaft diameter (mm)	Sigla Designation				Dimensioni (mm) Dimensions (mm)			Coefficienti di carico (N) Basic Load Ratings (N)		Velocità limite Limiting Speed
	Astucci a rullini aperti Open end	Peso (g) Weight (g)	Astucci a rullini con fondello Closed end	Peso (g) Weight (g)	Fw	D	C	Dinamico C Dynamic C	Statico Co Static Co	Olio (N. giri max) Oil (max rpm)
22	HK 2210	12.3	-	-	22	28	10	7 100	9 950	10 450
	HK 2212	15	BK 2212	18.1	22	28	12	8 650	12 700	10 450
	HK 2216	20.9	BK 2216	24.3	22	28	16	12 700	21 000	10 450
	HK 2220	26.2	BK 2220	29.9	22	28	20	15 650	27 550	10 450
	HK 223218	21.9	-	-	22	32	18	19 800	34 000	9 000
25	HK 2512	20	BK 2512	23.2	25	32	12	10 450	14 450	9 500
	HK 2516	27.3	BK 2516	31	25	32	16	14 800	22 800	9 500
	HK 2520	34.1	BK 2520	38.7	25	32	20	18 900	31 350	9 500
	HK 2524	-	-	-	25	32	24	-	-	-
	HK 2526	44.8	BK 2526	49	25	32	26	24 200	42 750	9 500
	HK 2538 - ZW	64.7	BK 2538	69	25	32	38	32 300	62 700	9 500
28	HK 2816	30.1	BK 2816	34.1	28	35	16	15 600	25 200	8 550
	HK 2820	37.6	BK 2820	43	28	35	20	19 850	34 200	8 550
30	HK 3012	24	BK 3012	27.9	30	37	12	11 500	17 300	8 100
	HK 3016	32	BK 3016	37.1	30	37	16	16 350	27 550	8 100
	HK 3020	40.1	BK 3020	46.5	30	37	20	20 900	37 500	8 100
	HK 3022	42	-	-	30	37	22	24 500	45 000	8 100
	HK 3026	52.9	BK 3026	59.4	30	37	26	26 600	51 300	8 100
	HK 3038 - ZW	76.1	BK 3038	82.5	30	37	38	35 600	75 000	8 100
32	HK 3220	40.6	-	-	32	39	20	22 500	42 000	7 300
	HK 3224	50.7	-	-	32	39	24	25 500	52 000	7 300
35	HK 3512	27.7	BK 3512	32.9	35	42	12	12 450	20 250	7 150
	HK 3516	36.9	BK 3516	43.8	35	42	16	17 750	31 850	6 200
	HK 3520	46.1	BK 3520	54.8	35	42	20	22 600	43 700	6 150
40	HK 4012	31.1	BK 4012	38.2	40	47	12	13 300	23 100	6 200
	HK 4016	41.4	BK 4016	51	40	47	16	19 000	36 600	6 200
	HK 4020	51.8	BK 4020	62	40	47	20	24 250	49 400	6 200
45	HK 4512	34.8	BK 4512	45	45	52	12	14 150	26 150	5 700
	HK 4516	46.2	BK 4516	56	45	52	16	20 250	40 850	5 700
	HK 4520	56	BK 4520	72	45	52	20	25 650	56 050	5 700
	HK 4538	135	-	-	45	55	38	27 600	61 000	5 300
50	HK 5012	44.2	-	-	50	58	12	23 600	57 200	5 300
	HK 5020	72	BK 5020	87.3	50	58	20	29 450	59 850	4 750
	HK 5025	90.1	BK 5025	109	50	58	25	36 550	79 800	4 750
	HK 5038	140	-	-	50	60	38	27 770	63 100	4 600
55	HK 5520	78	BK 5520	93.8	55	63	20	29 950	63 650	4 450
	HK 5528	111	BK 5528	132	55	63	28	41 800	97 850	4 080
60	HK 6012	49.2	BK 6012	77	60	68	12	16 550	30 400	4 180
	HK 6020	86	BK 6020	105	60	68	20	31 800	71 250	4 180
	HK 6032	136	BK 6032	164	60	68	32	50 350	128 250	4 180

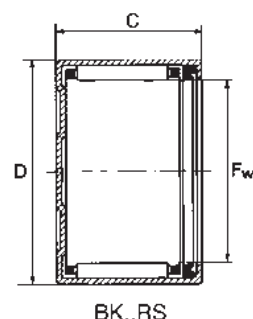
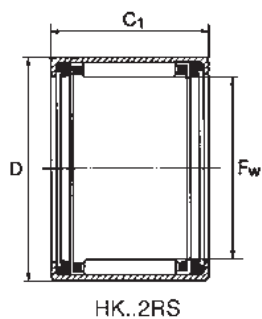
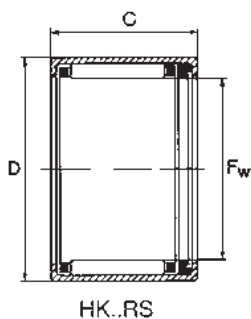
ZW = A due corone, con foro di lubrificazione. / Double rows, with lubrication hole.

In caso di lubrificazione a grasso, è ammesso un n° di giri pari al 60% dei valori riportati in tabella.

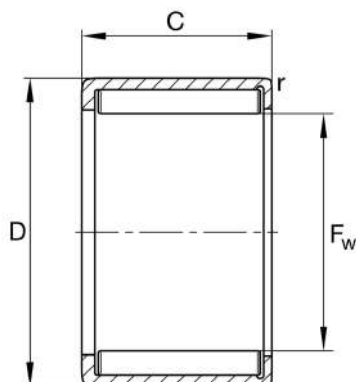
For grease lubrication number of allowed revolution is 60% of value expressed in table (see specifications for different grease)

- SCARICA IL NOSTRO CATALOGO

DRAWN CUP NEEDLE ROLLER BEARINGS OPEN END (HK) - ASTUCCI A RULLINI APERTI (HK)
DRAWN CUP NEEDLE ROLLER BEARINGS CLOSED END (BK) - ASTUCCI A RULLINI CON FONDELLO (BK)



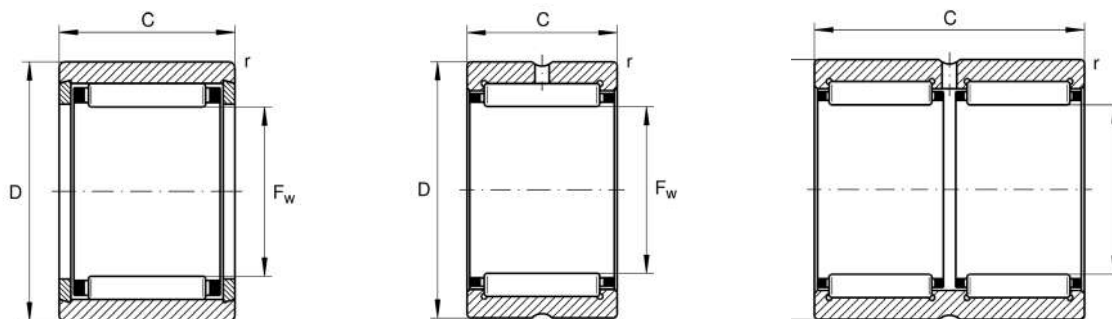
Diametro albero (mm) Shaft Diameter (mm)	Sigla Designation						Dimensioni (mm) Dimensions (mm)				Coefficienti di carico (N) Basic load ratings (N)		Velocità limite Limiting speed
	Astucci a rullini con tenuta ad un lato Open end sealed on one side	Peso Weight (g)	Astucci a rullini con tenuta da entrambi i lati Open end sealed on both side	Peso Weight (g)	Astucci a rullini con fondello e con tenute Closed end sealed on one side	Peso Weight (g)	Fw	D	C	C1	Dinamico C Dynamic C	Statico C ₀ Static C ₀	Grasso (N. giri max) Grease (max rpm)
8	-	-	HK 0810 2RS	-	-	-	8	12	-	10	-	-	-
	HK 0810 RS	2.9	HK 0812 2RS	3.5	-	-	8	12	10	12	2 600	2 470	19 000
	HK 0812 RS	3.1	-	-	-	-	8	12	12	-	3 500	3 400	19 000
10	-	-	HK 1012 2RS	4.3	-	-	10	14	-	12	-	-	-
	HK 1012 RS	4.2	HK 1014 2RS	5.2	-	-	10	14	12	14	4 180	4 850	16 150
12	-	-	HK1214 2RS	8	-	-	12	16	-	14	-	-	-
	HK 1214 RS	10.7	HK 1216 2RS	11.5	-	-	12	18	14	16	6 150	6 900	13 300
14	HK 1414 RS	12	HK 1416 2RS	14	BK 1414 RS	14.1	14	20	14	16	6 750	8 050	11 400
15	HK 1514 RS	12.6	HK 1516 2RS	14.3	BK 1514 RS	14.4	15	21	14	16	7 400	9 300	10 450
	HK 1518 RS	16	HK 1520 2RS	18	-	-	15	21	18	20	9 950	13 680	10 450
16	HK 1614 RS	-	HK 1614 2RS	-	-	-	16	22	14	-	-	-	-
	-	15.1	HK 1616 2RS	15.1	BK 1614 RS	15.3	16	22	14	16	7 200	9 200	10 450
	-	-	HK 1620 2RS	16.8	-	-	16	22	-	20	10 355	14 500	10 450
18	HK 1814 RS	15.1	HK 1816 2RS	17	-	-	18	24	14	16	7 700	10 350	9 000
20	-	-	HK 2016 2RS	18.8	-	-	20	26	-	16	8 150	11 500	8 100
	HK 2018 RS	21.4	HK 2020 2RS	23.5	BK 2018 RS	24.4	20	26	18	20	12 050	19 050	8 100
22	HK 2214 RS	18.3	HK 2216 2RS	20.3	-	-	22	28	14	16	8 650	12 750	7 600
	HK 2218 RS	23.5	HK 2220 2RS	25.5	-	-	22	28	18	20	12 750	21 000	7 600
25	-	-	HK 2516 2RS	27.3	-	-	25	32	-	16	10 450	14 450	6 650
	HK 2518 RS	31	HK 2520 2RS	33.1	BK 2518 RS	35.3	25	32	18	20	14 800	22 800	6 650
	-	-	HK 2524 2RS	39.7	-	-	25	32	-	24	18 900	31 350	6 650
	-	-	HK 2530 2RS	47.3	-	-	25	32	-	30	24 200	42 750	6 650
28	HK 2818 RS	-	HK 2820 2RS	36.9	-	-	28	35	18	20	15 580	25 150	5 700
30	HK 3012 RS	-	HK 3016 2RS	28.5	-	-	30	37	12	16	11 500	17 300	5 700
	HK 3018 RS	36.6	HK 3020 2RS	39.1	-	-	30	37	18	20	16 350	27 550	5 700
	-	-	HK 3024 2RS	49.7	-	-	30	37	-	24	20 900	37 500	5 700
35	-	-	HK 3516 2RS	36.4	-	-	35	42	-	16	12 450	20 200	4 750
	HK 3518 RS	37.4	HK 3520 2RS	41.1	-	-	35	42	18	20	17 750	31 800	4 750
	-	-	HK 4016 2RS	41.2	-	-	40	47	-	16	13 300	23 050	4 250
40	HK 4018 RS	47.3	HK 4020 2RS	50.2	-	-	40	47	18	20	19 000	36 550	4 250
45	HK 4518 RS	54.2	HK 4520 2RS	57.4	-	-	45	52	18	20	20 250	40 850	3 800
50	HK 5022 RS	77.2	HK 5024 2RS	84	-	-	50	58	22	24	29 450	59 850	3 450



Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)				Coefficienti di carico N Basic load rating N		Carico limite di fatica	Velocità di rotazione limite	Velocità di rotazione di riferimento
		F _w	D	C	r min.	Dinamico Dynamic C _r	Statico Static C _{0r}	Limiting fatigue load C _{ur} N	Limiting rotation speed n _g grasso / n _g grease min ⁻¹	Reference rotation speed n _B min ⁻¹
HN1010	4.6	10	14	10	0.4	7 200	11 100	1 540	10 000	13 300
HN1210	5.3	12	16	10	0.4	8 000	13 400	1 850	8 600	11 300
HN1212	10.5	12	18	12	0.8	10 200	15 200	1 950	8 000	10 800
HN1412	12	14	20	12	0.8	11 000	17 500	2 260	7 100	9 500
HN1516	14	15	21	16	0.8	15 400	27 500	3 600	6 700	8 700
HN1612	13	16	22	12	0.8	12 000	20 300	2 600	6 300	8 400
HN1816	20	18	24	16	0.8	17 000	32 500	4 250	5 700	7 500
HN2016	22	20	26	16	0.8	18 100	36 500	4 750	5 200	6 800
HN2020	29.5	20	26	20	0.8	22 400	48 000	6 600	5 200	6 700
HN2520	39.6	25	32	20	0.8	28 000	59 000	7 900	4 200	5 500
HN2820	44	28	35	20	0.8	30 000	67 000	9 000	3 800	4 950
HN3520	54	35	42	20	0.8	33 500	83 000	11 100	3 100	4 100
HN4020	60.5	40	47	20	0.8	36 000	95 000	12 700	2 750	3 650
HN4520	66	45	52	20	0.8	38 500	108 000	14 500	2 470	3 300
HN4525	85	45	52	25	0.8	47 000	139 000	19 500	2 470	3 250
HN5020	85.3	50	58	20	0.8	44 500	119 000	16 200	2 220	3 000
HN5025	107	50	58	25	0.8	54 000	152 000	21 700	2 220	2 950

Gli astucci a rullini a pieno riempimento possono essere disponibili anche in altre misure solo su richiesta specifica.
Drawn cup needle roller bearings full complement can be manufactured in other sizes, but only under specific request

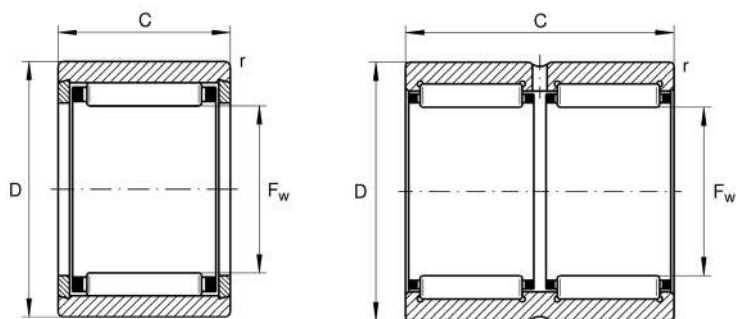
NEEDLE ROLLER BEARING WITHOUT INNER RING (NK • NKS • RNA 49/48 • RNA 69) CUSCINETTI A RULLINI SENZA ANELLO INTERNO (NK • NKS • RNA 49/48 • RNA 69)



Diametro albero (mm) Shaft diameter (mm)	Sigla Designation				Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)			Coefficienti di carico (N) Basic load ratings (N)		Velocità limite Limiting Speed Olio (N. giri max) Oil (max rpm)
	NK	NKS	RNA49/48	RNA69		Fw	D	C	Dinamico C Dynamic C	Statico C _o Static C _o	
5	• NK 5/10 TN	-	-	-	2.9	5	10	10	2 230	1 820	35 150
	• NK 5/12 TN	-	-	-	3.7	5	10	12	2 850	2 520	35 150
6	• NK 6/10 TN	-	-	-	4.7	6	12	10	2 470	2 170	31 350
	• NK 6/12 TN	-	-	-	5.7	6	12	12	3 180	2 990	31 350
7	• NK 7/10 TN	-	-	-	6.9	7	14	10	2 710	2 520	29 450
	• NK 7/12 TN	-	-	-	8.2	7	14	12	3 470	3 420	29 450
8	• NK 8/12 TN	-	-	-	8.3	8	15	12	3 750	3 900	27 550
	• NK 8/16 TN	-	-	-	12	8	15	16	4 850	5 500	27 550
	-	• NKS 8 TN	-	-	11	8	16	13	4 750	4 465	27 000
9	NK 9/12 TN	-	-	-	10.3	9	16	12	4 280	4 750	26 600
	NK 9/16 TN	-	-	-	12.8	9	16	16	5 600	6 750	26 600
10	NK 10/12 TN	-	-	-	10	10	17	12	4 550	5 230	25 650
	NK 10/16 TN	-	-	-	13.3	10	17	16	5 890	7 400	25 650
	-	• NKS 10 TN	-	-	15	10	19	13	5 500	5 700	24 000
12	NK 12/12	-	-	-	11.8	12	19	12	6 080	6 750	23 750
	NK 12/16	-	-	-	16.8	12	19	16	8 550	10 450	23 750
	-	• NKS 12 TN	-	-	23	12	22	16	9 100	9 850	22 000
14	NK 14/16	-	-	-	20.8	14	22	16	9 600	10 900	22 800
	NK 14/20	-	-	-	25.5	14	22	20	12 160	14 820	23 000
	-	NKS 14	-	-	27	14	25	16	13 600	13 000	21 850
	-	-	RNA 4900	-	24.4	14	22	13	8 060	9 000	23 750
	-	-	-	RNA 6900	29.1	14	22	22	8 281	11 612	18 322
15	NK 15/12	-	-	-	18.5	15	23	12	8 600	10 070	21 004
	NK 15/16	-	-	-	21.8	15	23	16	10 200	12 065	21 850
	NK 15/20	-	-	-	26.6	15	23	20	12 820	16 530	21 850
	-	NKS 15	-	-	30	15	26	16	13 800	13 400	21 000
16	NK 16/16	-	-	-	20.8	16	24	16	10 700	13 200	20 900
	NK 16/20	-	-	-	23.9	16	24	20	13 680	17 860	20 900
	-	-	RNA 4901	-	16.6	16	24	13	8 930	10 350	22 800
	-	-	-	RNA 6901	28.7	16	24	22	15 200	20 500	20 900
	-	NKS 16	-	-	30	16	28	16	14 900	15 000	20 000
17	NK 17/16	-	-	-	21.5	17	25	16	11 300	14 250	17 100
	NK 17/20	-	-	-	29.8	17	25	20	14 350	19 380	20 900
18	NK 18/16	-	-	-	24.9	18	26	16	11 850	15 390	19 950
	NK 18/20	-	-	-	30.5	18	26	20	15 000	20 900	19 950
	-	NKS 18	-	-	37.9	18	30	16	16 100	17 000	18 000
19	NK 19/16	-	-	-	26.1	19	27	16	12 350	16 530	19 950
	NK 19/20	-	-	-	32.2	19	27	20	15 700	22 400	19 950
20	NK 20/16	-	-	-	25.7	20	28	16	12 350	16 600	19000
	NK 20/20	-	-	-	29.3	20	28	20	15 600	22 600	19 000
	-	NKS 20	-	-	46.8	20	32	20	21 850	23 750	18 000
	-	-	RNA 4902	-	20.5	20	28	13	10 800	12 800	20 900
	-	-	-	RNA 6902	35.4	20	28	23	16 400	24 200	19 000

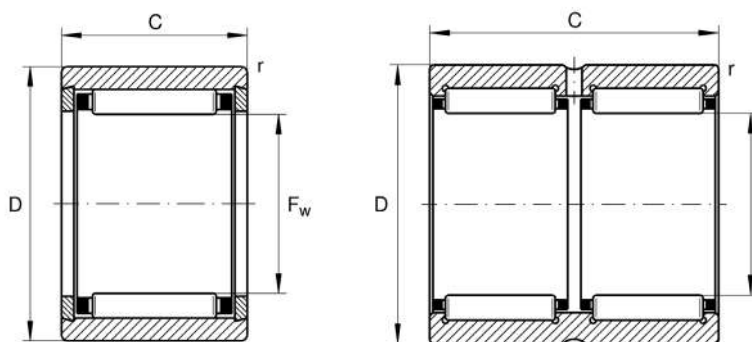
- Con anelli di chiusura senza foro e gola di lubrificazione
- Whit closing rings, without lubrication hole and groove

NEEDLE ROLLER BEARING WITHOUT INNER RING (NK • NKS • RNA 49/48 • RNA 69)
CUSCINETTI A RULLINI SENZA ANELLO INTERNO (NK • NKS • RNA 49/48 • RNA 69)



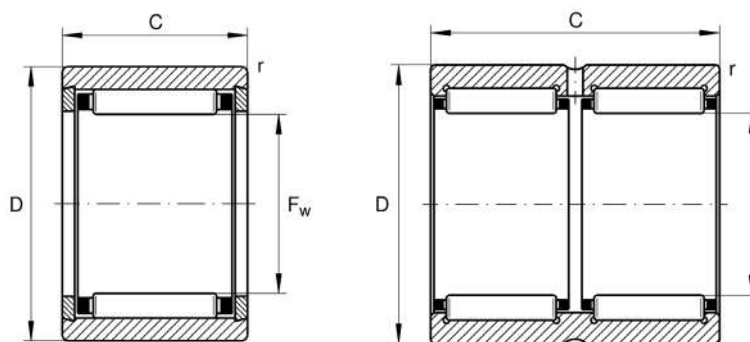
Diametro albero (mm) Shaft diameter (mm)	Sigla Designation				Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)			Coefficienti di carico (N) Basic load ratings (N)		Velocità limite Limiting Speed Olio (N. giri max) Oil (max rpm)
	NK	NKS	RNA49/48	RNA69		Fw	D	C	Dinamico C Dynamic C	Statico C _o Static C _o	
21	NK 21/16	-	-	-	28.1	21	29	16	12 800	17 750	19 000
	NK 21/20	-	-	-	35.2	21	29	20	16 250	24 220	19 000
22	NK 22/16	-	-	-	29.2	22	30	16	13 300	18 900	18 000
	NK 22/20	-	-	-	37	22	30	20	16 800	25 650	18 000
	-	NKS 22	-	-	60.2	22	35	20	23 275	26 600	17 000
	-	-	RNA 4903	-	20.7	22	30	13	10 450	13 870	19 950
	-	-	-	RNA 6903	39.8	22	30	23	17 650	27 550	18 000
24	NK 24/16	-	-	-	31.9	24	32	16	14 250	21 200	17 000
	NK 24/20	-	-	-	40	24	32	20	18 050	29 000	17 000
	-	NKS 24	-	-	65.5	24	37	20	25 500	30 400	15 200
25	NK 25/16	-	-	-	30	25	33	16	14 150	21 280	16 150
	NK 25/20	-	-	-	38.4	25	33	20	17 860	29 000	16 150
	-	-	RNA 4904	-	50.8	25	37	17	19 950	24 200	16 150
	-	-	-	RNA 6904	97.7	25	37	30	34 200	48 450	15 200
	-	NKS 25	-	-	65	25	38	20	26 100	31 800	15 200
26	NK 26/16	-	-	-	30	26	34	16	14 550	22 400	15 200
	NK 26/20	-	-	-	40	26	34	20	18 450	30 400	15 200
28	NK 28/20	-	-	-	52.2	28	37	20	20 900	32 300	14 250
	NK 28/30	-	-	-	82	28	37	30	31 350	54 150	14 250
	-	NKS 28	-	-	80	28	42	20	27 100	34 650	13 300
	-	-	RNA 49/22	-	50.2	28	39	17	21 660	28 000	15 200
	-	-	-	RNA 69/22	98	28	39	30	37 000	54 500	13 000
29	NK 29/20	-	-	-	53.7	29	38	20	20 800	32 300	14 250
	NK 29/30	-	-	-	84.3	29	38	30	30 900	54 150	14 250
30	NK 30/20	-	-	-	57.9	30	40	20	21 470	34 200	13 300
	NK 30/30	-	-	-	95	30	40	30	31 800	57 000	13 300
	-	NKS 30	-	-	104	30	45	22	31 500	39 500	11 000
	-	-	RNA 4905	-	57	30	42	17	22 420	29 900	14 250
	-	-	-	RNA 6905	106.5	30	42	30	37 000	56 000	13 300
32	NK 32/20	-	-	-	75.4	32	42	20	21 950	35 600	12 350
	NK 32/30	-	-	-	102	32	42	30	34 000	62 500	12 350
	-	NKS 32	-	-	100	32	47	22	31 800	41 300	11 400
	-	-	RNA 49/28	-	80	32	45	17	23 180	31 800	12 350
	-	-	-	RNA 69/28	125	32	45	30	39 500	61 300	13 000
35	NK 35/20	-	-	-	70	35	45	20	23 000	39 400	11 400
	NK 35/30	-	-	-	112	35	45	30	36 000	68 500	11 400
	-	NKS 35	-	-	118	35	50	22	34 500	46 500	10 000
	-	-	RNA 4906	-	62.8	35	47	17	23 750	33 700	12 350
	-	-	-	RNA 6906	116	35	47	30	41 300	67 450	11 400
37	NK 37/20	-	-	-	77	37	47	20	24 300	43 000	11 400
	NK 37/30	-	-	-	113	37	47	30	36 300	72 500	11 400
	-	NKS 37	-	-	123	37	52	22	34 700	47 500	10 450

NEEDLE ROLLER BEARING WITHOUT INNER RING (NK • NKS • RNA 49/48 • RNA 69) CUSCINETTI A RULLINI SENZA ANELLO INTERNO (NK • NKS • RNA 49/48 • RNA 69)



Diametro albero (mm) Shaft diameter (mm)	Sigla Designation				Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)			Coefficienti di carico (N) Basic load ratings (N)		Velocità limite Limiting Speed Olio (N. giri max) Oil (max rpm)
	NK	NKS	RNA49/48	RNA69		Fw	D	C	Dinamico C Dynamic C	Statico C _o Static C _o	
38	NK 38/20	-	-	-	79.4	38	48	20	25 000	44 500	10 450
	NK 38/30	-	-	-	116	38	48	30	37 000	75 000	10 450
40	NK 40/20	-	-	-	78.9	40	50	20	24 700	44 650	10 450
	NK 40/30	-	-	-	120	40	50	30	37 000	75 000	10 450
	-	NKS 40	-	-	129	40	55	22	37 200	53 500	8 500
	-	-	RNA 49/32	-	89.1	40	52	20	30 000	46 800	10 500
	-	-	-	RNA 69/32 - ZW	147	40	52	36	44 650	77 900	10 450
	-	-	-	-	-	-	-	-	-	-	-
42	NK 42/20	-	-	-	83	42	52	20	25 200	46 550	9 500
	NK 42/30	-	-	-	125	42	52	30	37 500	77 900	9 500
	-	-	RNA 4907	-	99.3	42	55	20	29 900	47 500	10 450
	-	-	-	RNA 6907 - ZW	193	42	55	36	45 600	81 700	9 500
43	NK 43/20	-	-	-	84	43	53	20	25 700	49 000	9 500
	NK 43/30	-	-	-	126	43	53	30	38 500	80 750	9 500
	-	NKS 43	-	-	139	43	58	22	37 000	54 150	9 000
45	NK 45/20	-	-	-	91	45	55	20	26 100	50 350	9 500
	NK 45/30	-	-	-	139	45	55	30	40 000	87 000	9 500
	-	NKS 45	-	-	145	45	60	22	38 500	57 000	9 000
47	NK 47/20	-	-	-	94.5	47	57	20	28 000	55 000	9 000
	NK 47/30	-	-	-	142	47	57	30	42 500	93 500	9 000
48	-	-	RNA 4908	-	132	48	62	22	40 850	63 650	9 000
	-	-	-	RNA 6908 - ZW	255	48	62	40	64 000	112 000	8 120
50	NK 50/25	-	-	-	167	50	62	25	36 100	70 300	8 550
	NK 50/35	-	-	-	236	50	62	35	47 500	100 700	8 550
	-	NKS 50	-	-	157	50	65	22	41 800	66 500	7 000
52	-	-	RNA 4909	-	182	52	68	22	42 750	69 350	8 100
	-	-	-	RNA 6909 - ZW	338	52	68	40	65 500	120 650	7 600
55	NK 55/25	-	-	-	167	55	68	25	38 000	77 900	7 600
	NK 55/35	-	-	-	250	55	68	35	52 500	117 000	7 600
	-	NKS 55	-	-	221	55	72	22	44 000	73 000	6 000
58	-	-	RNA 4910	-	161	58	72	22	44 650	76 000	7 600
	-	-	-	RNA 6910 - ZW	296	58	72	40	69 400	132 000	7 200
60	NK 60/25	-	-	-	185	60	72	25	39 900	85 500	7 100
	NK 60/35	-	-	-	258	60	72	35	55 000	130 000	7 100
	-	NKS 60	-	-	335	60	80	28	62 500	97 500	6 000
63	-	-	RNA 4911	-	241	63	80	25	55 100	95 000	7 100
	-	-	-	RNA 6911 - ZW	470	63	80	45	85 500	167 200	6 650
65	NK 65/25	-	-	-	221	65	78	25	43 500	97 000	6 650
	NK 65/35	-	-	-	310	65	78	35	58 200	141 300	6 650
	-	NKS 65	-	-	356	65	85	28	65 800	106 700	6 100
68	NK 68/25	-	-	-	241	68	82	25	43 000	88 000	6 100
	NK 68/35	-	-	-	338	68	82	35	61 000	138 000	6 100
	-	-	RNA 4912	-	275	68	85	25	57 000	102 600	6 600
	-	-	-	RNA 6912 - ZW	488	68	85	45	89 300	181 450	6 200
70	NK 70/25	-	-	-	260	70	85	25	44 000	91 000	6 100
	NK 70/35	-	-	-	370	70	85	35	62 000	143 000	6 100
	-	NKS 70	-	-	380	70	90	28	66 500	112 000	4 500

NEEDLE ROLLER BEARING WITHOUT INNER RING (NK • NKS • RNA 49/48 • RNA 69)
CUSCINETTI A RULLINI SENZA ANELLO INTERNO (NK • NKS • RNA 49/48 • RNA 69)



Diametro albero (mm) Shaft diameter (mm)	Sigla Designation				Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)			Coefficienti di carico (N) Basic load ratings (N)		Velocità limite Limiting Speed Olio (N. giri max) Oil (max rpm)
	NK	NKS	RNA49/48	RNA69		Fw	D	C	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
72	-	-	RNA 4913	-	300	72	90	25	57 500	110 500	6 100
	-	-	-	RNA 6913 - ZW	571	72	90	45	90 250	188 100	6 000
73	NK 73/25	-	-	-	302	73	90	25	51 500	99 000	5 700
	NK 73/35	-	-	-	428	73	90	35	74 000	155 000	5 700
75	NK 75/25	-	-	-	315	75	92	25	53 500	103 000	5 700
	NK 75/35	-	-	-	445	75	92	35	76 000	161 000	5 700
	-	NKS 75	-	-	402	75	95	28	70 000	122 000	5 700
80	NK 80/25	-	-	-	301	80	95	25	55 500	118 000	5 200
	NK 80/35	-	-	-	425	80	95	35	77 000	183 000	5 200
	-	NKS 80	-	-	413	80	100	28	74 500	132 000	4 000
	-	-	RNA 4914	-	460	80	100	30	79 800	148 200	5 700
	-	-	-	RNA 6914 - ZW	857	80	100	54	121 000	263 000	5 130
85	NK 85/25	-	-	-	425	85	105	25	68 000	122 000	4 750
	NK 85/35	-	-	-	600	85	105	35	97 000	192 000	4 750
	-	-	RNA 4915	-	472	85	105	30	82 000	158 000	5 130
	-	-	-	RNA 6915 - ZW	923	85	105	54	128 000	272 000	5 130
90	NK 90/25	-	-	-	450	90	110	25	70 500	130 000	4 600
	NK 90/35	-	-	-	630	90	110	35	102 000	205 500	4 600
	-	-	RNA 4916	-	516	90	110	30	84 550	170 500	4 927
	-	-	-	RNA 6916 - ZW	978	90	110	54	128 250	285 000	4 650
95	NK 95/26	-	-	-	490	95	115	26	71 000	136 000	4 450
	NK 95/36	-	-	-	680	95	115	36	105 000	221 000	4 450
100	NK 100/26	-	-	-	515	100	120	26	75 000	145 000	4 200
	NK 100/36	-	-	-	715	100	120	36	110 000	236 000	4 200
	-	-	RNA 4917	-	657	100	120	35	105 450	225 150	4 600
	-	-	-	RNA 6917 - ZW	1 200	100	120	63	157 700	380 000	4 300
105	NK 105/26	-	-	-	540	105	125	26	76 500	153 000	4 085
	NK 105/36	-	-	-	713	105	125	36	112 000	248 000	4 085
	-	-	RNA 4918	-	745	105	125	35	108 300	237 500	4 370
	-	-	-	RNA 6918 - ZW	1 330	105	125	63	165 000	403 750	4 100
110	NK 110/30	-	-	-	650	110	130	30	96 000	209 000	3 900
	NK 110/40	-	-	-	830	110	130	40	125 000	287 000	3 900
	-	-	RNA 4919	-	719	110	130	35	112 000	245 000	4 180
	-	-	-	RNA 6919 - ZW	1 460	110	130	63	196 000	418 000	3 900
115	-	NKS 115	-	-	700	115	135	32	90 000	202 000	3 705
	-	-	RNA 4920	-	1 006	115	140	40	120 000	264 000	3 895
120	NK 120/40	-	-	-	910	120	140	40	112 000	274 000	3 600
	-	-	RNA 4822	-	670	120	140	30	93 000	215 000	3 600
125	-	-	RNA 4922	-	1 200	125	150	40	125 400	275 500	3 600
130	-	-	RNA 4824	-	730	130	150	30	91 600	234 000	3 325
135	-	-	RNA 4924	-	1 760	135	165	45	174 000	386 000	3 230
145	-	-	RNA 4826	-	990	145	165	35	117 000	300 000	3 040
150	-	-	RNA 4926	-	2 210	150	180	50	201 000	450 000	3 040
155	NK 155/32	-	-	-	1 200	155	180	32	112 000	250 000	2 755
	-	-	RNA 4828	-	988	155	175	35	119 000	321 000	2 850