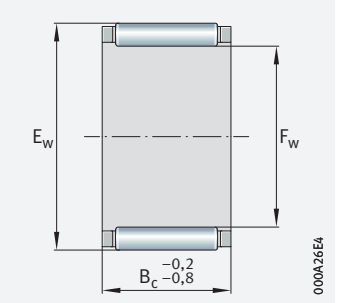
Needle roller and cage assemblies

Single row



Single row

F_w = 100 – 265 mm

Main dimensions			Basic load ratings		Fatigue limit load	Limiting speed	Speed rating	Mass	Designation
F_w	E_w	B_c	dyn. C_r	stat. C_{0r}	C_{ur}	n_G	$n_{\vartheta r}$	m	➤*876*|*1.12* ➤*876*|*1.13*
			N	N	N	min^{-1}	min^{-1}	≈ g	
100	107	21	48 000	127 000	17 900	4 750	3 100	120	**K100×107×21**
	108	27	57 000	143 000	19 200	4 700	3 200	185	**K100×108×27**
	108	30	71 000	188 000	26 500	4 700	3 050	180	**K100×108×30**
105	112	21	47 500	127 000	17 700	4 500	3 000	129	**K105×112×21**
110	117	24	56 000	158 000	20 200	4 300	2 850	172	**K110×117×24**
	118	30	78 000	219 000	30 000	4 300	2 750	217	**K110×118×30**
115	123	27	63 000	170 000	22 000	4 100	2 850	200	**K115×123×27**
120	127	24	59 000	174 000	21 800	3 950	2 650	165	**K120×127×24**
125	133	35	86 000	260 000	35 000	3 800	2 600	275	**K125×133×35**
130	137	24	61 000	186 000	22 700	3 650	2 500	170	**K130×137×24**
135	143	35	91 000	290 000	38 000	3 550	2 390	300	**K135×143×35**
145	153	26	74 000	225 000	27 500	3 300	2 280	262	**K145×153×26**
150	160	46	147 000	470 000	61 000	3 150	2 100	570	**K150×160×46**
155	163	26	75 000	236 000	28 500	3 100	2 180	265	**K155×163×26**
160	170	46	152 000	510 000	64 000	2 950	1 970	550	**K160×170×46**
165	173	26	81 000	265 000	31 000	2 900	2 030	320	**K165×173×26**
175	183	32	99 000	350 000	42 000	2 750	1 930	400	**K175×183×32**
185	195	37	128 000	425 000	49 500	2 600	1 840	607	**K185×195×37**
195	205	37	133 000	450 000	52 000	2 450	1 760	620	**K195×205×37**
210	220	42	154 000	560 000	64 000	2 280	1 590	740	**K210×220×42**
220	230	42	158 000	590 000	67 000	2 180	1 510	790	**K220×230×42**
240	250	42	164 000	630 000	70 000	2 000	1 390	850	**K240×250×42**
265	280	50	255 000	860 000	93 000	1 800	1 160	1 810	**K265×280×50**

medias *https://www.schaeffler.de/std/1F9A*