

**Needle roller bearings with inner ring**  
series **NKI**

NA 48.  
NA 49.  
NA 69.  
NKIS.



NKI (d<9mm)  
NKIS  
NA48  
NA49  
NA69(d<30mm)

Shaft diameter	Dimensions				Load ratings		Speed ratings		Code bearing HMEC	Weight $m_0$		
	d	D	B	$F_w$	$r_1$	$r_2$	dyn. Co	stat. Co			mm <sup>-1</sup>	ng/min
5	5	15	12	8	0.3	1.5	4.4	5.0	19000	32000	<b>NKI 5/12</b>	0.014
	5	15	16	8	0.3	1.5	5.6	6.8	19000	32000	<b>NKI 5/16</b>	0.017
6	6	16	12	8	0.3	1.5	4.63	4.75	18000	30000	<b>NKI 6/12</b>	0.015
	6	16	16	8	0.3	1.5	5.83	7.25	18000	30000	<b>NKI 6/16</b>	0.019
7	7	17	12	10	0.3	1.5	5.2	6.55	17000	28000	<b>NKI 7/12</b>	0.017
	7	17	16	10	0.3	1.5	5.6	7.35	17000	28000	<b>NKI 7/16</b>	0.021
9	9	19	12	12	0.3	1.5	6.4	7.85	16000	26000	<b>NKI 9/12</b>	0.018
	9	19	16	12	0.3	1.5	6.4	8.15	16000	26000	<b>NKI 9/16</b>	0.024
10	10	22	13	14	0.3	1	8.15	9.15	16000	26000	<b>NA4900</b>	0.025
	10	22	16	14	0.3	1.5	11	13.7	16000	26000	<b>NKI 10/16</b>	0.032
	10	22	20	14	0.3	1.5	13.2	17.5	16000	26000	<b>NKI 10/20</b>	0.045
12	12	24	13	15	0.3	1	9	11	15000	24000	<b>NA4901</b>	0.028
	12	24	16	15	0.3	1.5	11.4	15	15000	24000	<b>NKI 12/16</b>	0.038
	12	24	20	15	0.3	1.5	13.7	18	15000	24000	<b>NKI 12/20</b>	0.046
	12	24	22	15	0.3	1	14.3	20	15000	24000	<b>NA4901</b>	0.051