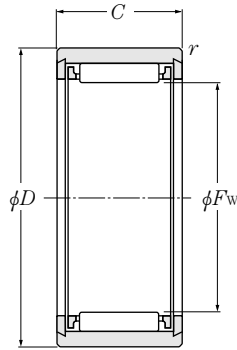
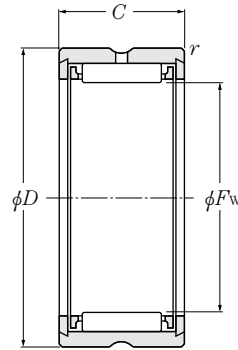


## Without Inner Ring

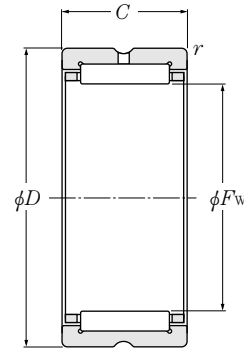
Type RNA49  
Type RNA59  
Type RNA69  
Type NK



**Type NK**  
( $F_w \leq 12\text{mm}$ )



**Type RNA49** ( $F_w \leq 12\text{mm}$ )



**Type RNA49 · R** ( $F_w \geq 14\text{mm}$ )  
**Type RNA59**  
**Type RNA69 · R**  
**Type NK · R** ( $F_w \geq 14\text{mm}$ )

$F_w$  5~16mm

Boundary dimensions				Basic load ratings				Limiting speeds		Bearing numbers	Abutment dimensions		Mass kg (approx.)
mm				dynamic	static	dynamic	static	r/min			$D_a$	$r_{as}$	
$F_w$	$D$	$C$	$r_s$ min <sup>1)</sup>	N	N	kgf	kgf	grease	oil	max	max		
<b>5</b> <sup>+0.018 +0.010</sup>	10	10	0.15	2 640	2 190	269	224	27 000	40 000	<b>NK5/10T2</b>	6.5	0.15	0.0031
	10	12	0.15	2 720	2 250	277	230	27 000	40 000	<b>NK5/12T2</b>	6.5	0.15	0.0037
<b>6</b> <sup>+0.018 +0.010</sup>	12	10	0.15	2 660	2 280	272	233	25 000	37 000	<b>NK6/10T2</b>	7.5	0.15	0.0047
	12	12	0.15	3 400	3 150	345	320	25 000	37 000	<b>NK6/12T2</b>	7.5	0.15	0.0057
<b>7</b> <sup>+0.022 +0.013</sup>	13	10	0.15	2 670	2 350	272	239	23 000	34 000	<b>RNA495T2</b>	8.5	0.15	0.0055
	14	10	0.3	2 670	2 350	272	239	23 000	34 000	<b>NK7/10T2</b>	8.5	0.3	0.0069
	14	12	0.3	3 400	3 200	345	330	23 000	34 000	<b>NK7/12T2</b>	8.5	0.3	0.0082
<b>8</b> <sup>+0.022 +0.013</sup>	15	10	0.15	3 150	3 000	320	305	21 000	32 000	<b>RNA496</b>	9.5	0.15	0.0073
	15	12	0.3	4 000	4 100	410	420	21 000	32 000	<b>NK8/12T2</b>	9.5	0.3	0.0087
	15	16	0.3	4 850	5 200	495	535	21 000	32 000	<b>NK8/16T2</b>	9.5	0.3	0.0120
<b>9</b> <sup>+0.022 +0.013</sup>	16	12	0.3	4 550	5 000	465	510	20 000	30 000	<b>NK9/12T2</b>	10.5	0.3	0.0100
	16	16	0.3	5 500	6 400	560	650	20 000	30 000	<b>NK9/16T2</b>	10.5	0.3	0.0130
	17	10	0.15	3 600	3 650	365	375	20 000	30 000	<b>RNA497</b>	10.5	0.15	0.0095
<b>10</b> <sup>+0.022 +0.013</sup>	17	12	0.3	4 550	5 100	460	520	19 000	28 000	<b>NK10/12T2</b>	11.5	0.3	0.0100
	17	16	0.3	5 450	6 450	555	660	19 000	28 000	<b>NK10/16</b>	11.5	0.3	0.0130
	19	11	0.15	4 300	3 950	435	405	19 000	28 000	<b>RNA498</b>	12	0.15	0.0130
<b>12</b> <sup>+0.027 +0.016</sup>	19	12	0.3	5 000	6 100	510	620	17 000	26 000	<b>NK12/12</b>	13.5	0.3	0.0130
	19	16	0.3	6 000	7 700	615	785	17 000	26 000	<b>NK12/16</b>	13.5	0.3	0.0160
	20	11	0.3	4 850	4 900	495	500	17 000	26 000	<b>RNA499</b>	14	0.3	0.0130
<b>14</b> <sup>+0.027 +0.016</sup>	22	13	0.3	8 600	9 200	875	935	16 000	24 000	<b>RNA4900R</b>	20	0.3	0.0170
	22	16	0.3	10 300	11 500	1 050	1 170	16 000	24 000	<b>NK14/16R</b>	20	0.3	0.0210
	22	20	0.3	13 000	15 600	1 330	1 590	16 000	24 000	<b>NK14/20R</b>	20	0.3	0.0260
<b>15</b> <sup>+0.027 +0.016</sup>	23	16	0.3	10 900	12 700	1 110	1 290	15 000	23 000	<b>NK15/16R</b>	21	0.3	0.0220
	23	20	0.3	13 800	17 200	1 410	1 750	15 000	23 000	<b>NK15/20R</b>	21	0.3	0.0270
<b>16</b> <sup>+0.027 +0.016</sup>	24	13	0.3	9 550	10 900	975	1 110	15 000	23 000	<b>RNA4901R</b>	22	0.3	0.0170
	24	16	0.3	12 200	14 900	1 240	1 520	15 000	23 000	<b>NK16/16R</b>	22	0.3	0.0220
	24	20	0.3	14 600	18 800	1 490	1 920	15 000	23 000	<b>NK16/20R</b>	22	0.3	0.0280
	24	22	0.3	15 400	20 000	1 570	2 040	15 000	23 000	<b>RNA6901R</b>	22	0.3	0.0310

Note 1) Allowable minimum chamfer dimension  $r$ .