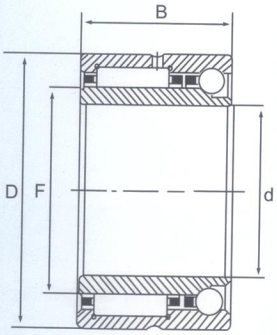
COMBINED RADIAL-THRUST BEARINGS

Products range

Series	Structure description
NKIA	Combination of a needle roller bearing with a single direction angular contact ball bearing
NKIB	Combination of a needle roller bearing with a double direction angular contact ball bearing
NX	Combination of a needle roller bearing with a full complement axial ball bearing, with retaining cap, for oil lubrication
NKX	Combination of a needle roller bearing with an axial ball bearing
NKX...Z	Combination of a needle roller bearing with an axial ball bearing, with retaining cap
NKXR	Combination of a needle roller bearing with an axial cylindrical roller bearing
NKXR...Z	Combination of a needle roller bearing with an axial cylindrical roller bearing, with retaining cap
ZARN	Needle roller/axial cylindrical roller bearing, double direction, axial preload facility, light and heavy series
ZARF	Needle roller/axial cylindrical roller bearing, outer ring suitable for flange mounting, double direction, axial preload facility, light and heavy series
ZARF...L	Needle roller/axial cylindrical roller bearing as ZARF, with stepped, extended shaft washer on one side

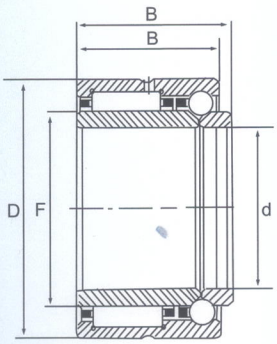


NKIA

Shaft Diameter	Bearing Designation	Mass	Boundary Dimensions				Basic Load Rating				Limiting Speed
			d	F	D	B	Radial		Axial		Oil
							C_r Dynamic	C_{or} Static	C_r Dynamic	C_{or} Static	
mm		g	mm				N				rpm
12	NKIA 5901	40	12	16	24	16	5 047	6 352	2 010	1 620	23 000
15	NKIA 5902	50	15	20	28	18	8 400	9 600	2 140	2 070	21 000
17	NKIA 5903	56	17	22	30	18	8 800	10 600	2 340	2 370	20 000
	F-27991 ①	68.7	17	24	41.9	55.2	16 000	19 300	2 850	3 720	12 000
20	NKIA 5904	103	20	25	37	23	18 000	21 000	3 140	3 900	17 000
22	NKIA 59/22	118	22	28	39	23	19 500	25 500	3 550	4 200	15 000
25	NKIA 5905	130	25	30	42	23	20 500	27 000	3 600	4 800	14 000
30	NKIA 5906	147	30	35	47	23	22 500	31 500	4 050	5 400	13 000
35	NKIA 5907	243	35	42	55	27	28 000	46 000	5 700	7 500	11 000
40	NKIA 5908	315	40	48	62	30	39 000	55 050	6 000	8 900	9 000
45	NKIA 5909	375	45	52	68	30	40 500	68 900	6 300	10 500	8 500
50	NKIA 5910	380	50	58	72	30	42 500	75 000	6 890	11 800	8 000
55	NKIA 5911	550	55	63	80	34	50 800	96 000	8 050	14 500	7 000
60	NKIA 5912	590	60	68	85	34	56 400	98 000	9 500	15 800	6 500
65	NKIA 5913	635	65	72	90	34	57 500	106 000	9 800	17 000	6 500
70	NKIA 5914	980	70	80	100	40	79 050	152 000	11 800	22 500	5 500

1) The ball cages are made of plastic, permissible operating temperature:120°C (Continuous operation).
2) Limiting speed for oil lubrication.
For grease lubrication, 60% of the values given in the table is permissible.

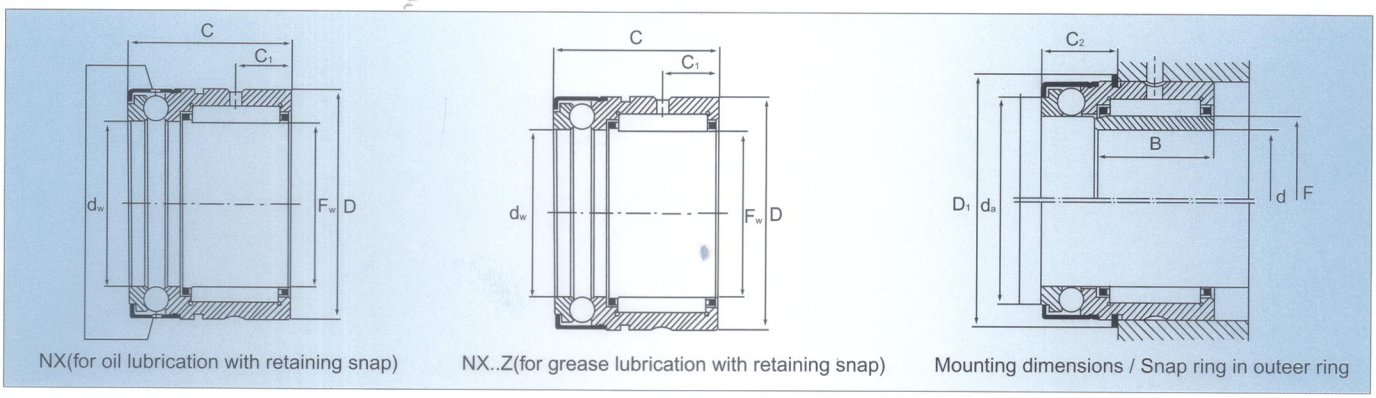
① F-27991:A=6.65mm



NKIB

Shaft Diameter	Bearing Designation	Mass	Boundary Dimensions					Basic Load Rating				Limiting Speed
			d	F	D	B	C	Radial		Axial		Oil
								C_r Dynamic	C_{or} Static	C_r Dynamic	C_{or} Static	
mm		g	mm					N				rpm
12	NKIB 5901	43	12	16	24	17.5	16	7 600	8 300	2 160	1 940	23 000
15	NKIB 5902	52	15	20	28	20	18	10 600	13 600	2 340	2 370	21 000
17	NKIB 5903	58	17	22	30	20	18	11 000	14 600	2 500	2 750	20 000
20	NKIB 5904	107	20	25	37	25	23	21 000	25 500	3 950	4 200	17 000
22	NKIB 59/22	122	22	28	39	25	23	22 800	29 500	4 250	4 850	15 000
25	NKIB 5905	134	25	30	42	25	23	23 600	31 500	4 350	5 200	14 000
30	NKIB 5906	151	30	35	47	25	23	25 000	35 500	4 750	6 300	13 000
35	NKIB 5907	247	35	42	55	30	27	31 500	50 000	6 000	8 400	11 000
40	NKIB 5908	320	40	48	62	34	30	43 000	67 000	7 400	10 900	9 000
45	NKIB 5909	380	45	52	68	34	30	45 000	73 000	7 700	12 000	8 500
50	NKIB 5910	385	50	58	72	34	30	47 000	80 000	8 100	13 700	8 000
55	NKIB 5911	555	55	63	80	38	34	58 000	100 000	9 700	16 600	7 000
60	NKIB 5912	595	60	68	85	38	34	60 000	108 000	10 000	17 900	6 500
65	NKIB 5913	640	65	72	90	38	34	61 000	112 000	10 300	19 300	6 500
70	NKIB 5914	985	70	80	100	45	40	84 000	156 000	13 500	25 000	5 500

1) The ball cages are made of plastic, permissible operating temperature:120°C (Continuous operation).
2) Limiting speed for oil lubrication.
With grease lubrication, 60% of the values given in the table is permissible.



NX(for oil lubrication with retaining snap) NX..Z(for grease lubrication with retaining snap) Mounting dimensions / Snap ring in outeer ring

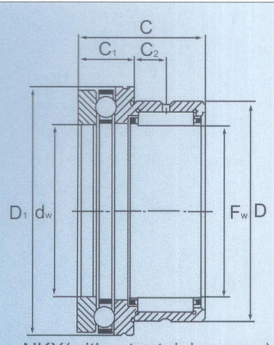
Shaft Diameter	Bearing Designation		Mass Approx	Boundary Dimensions					Basic Load Rating				Limiting Speed	Mounting Dimension		
	for Oil Lublication	for Grease Lublication		F_w	D	C	C_1	d_w	Radial C_r Dynamic	Radial C_{or} Static	Axial C_r Dynamic	Axial C_{or} Static	Oil	C_2	D_1	d_a
mm			g	mm					N				rpm	mm		
7	NX 7 TN	NX 7 Z TN	14	7	14	18	4.7	7	2 400	2 350	3 050	3 800	15 000	10	16.5	9.6
10	NX 10	NX 10 Z	25	10	19	18	4.7	10	3 850	3 350	4 350	5 860	11 000	10	21.9	14.6
12	NX 12	NX 12 Z	28	12	21	18	4.7	12	4 250	3 900	4 500	6 800	9 500	10	23.7	16.6
15	NX 15	NX 15 Z	48	15	24	28	8	15	9 670	9 850	5 650	9 350	8 000	12.2	26.5	19
17	NX 17	NX 17 Z	53	17	26	28	8	17	9 860	13 800	5 900	10 500	7 500	12.2	28.5	21
20	NX 20	NX 20 Z	68	20	30	28	8	20	9 980	14 800	6 800	11 900	6 500	12.2	33.6	25
25	NX 25	NX 25 Z	115	25	37	30	8	25	12 900	20 800	10 900	20 500	4 900	14.2	40.4	31.6
30	NX 30	NX 30 Z	130	30	42	30	10	30	19 600	32 500	11 500	22 400	4 300	14.2	45.1	36.5
35	NX 35	NX 35 Z	160	35	47	30	10	35	20 500	39 600	11 900	28 500	3 700	14.2	50.1	40.5

The axial cages are made of plastic, permissible operating temperature: 120°C (continuous operation)

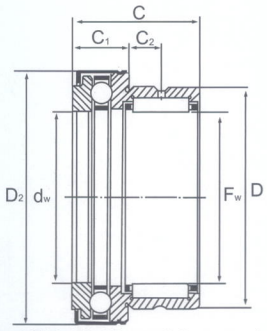
1) Minimun axial load Fa = 1% to 2% of the axial dynamic load rating C_r.

2) Limiting speed for oil lubrication. For grease lubrication, 60% of the values given in the table is permissible.

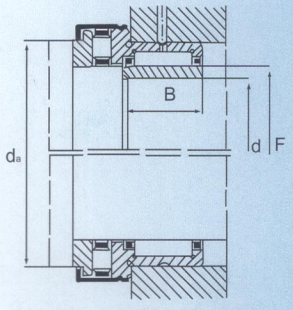
3) Inner rings and snag ring grooves must be orderd sepately.



NKX(without retaining snap)



NKX..Z(with retaining snap)

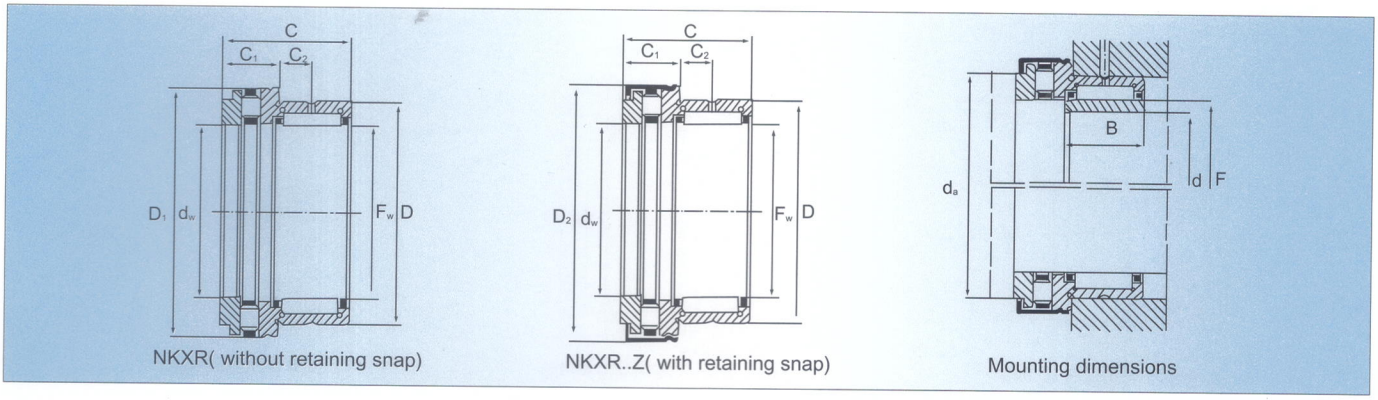


Mounting dimensions

Shaft Diameter	Bearing Designation and Mass Approx				Boundary Dimensions					Basic Load Rating				Limiting Speed	Mounting Dimension
	Without Retaining Cap	Mass	With Retaining Cap	Mass	F_w	D	C	C_1	d_w	Radial		Axial		Oil	d_a
										C_r Dynamic	C_{or} Static	C_r Dynamic	C_{or} Static		
mm		g		g	mm					N				rpm	mm
10	NKX 10 TN	34	NKX 10 Z TN	36	10	19	23	9	10	5 000	6 500	8 600	10 800	12 000	19.7
12	NKX 12	38	NKX 12 Z	40	12	21	23	9	12	7 200	9 060	9 700	11 900	11 000	21.7
15	NKX 15	44	NKX 15 Z	47	15	24	23	9	15	9 670	9 850	10 000	12 300	9 500	23.7
17	NKX 17	53	NKX 17 Z	55	17	26	25	9	17	9 860	13 800	10 300	13 600	8 500	25.7
20	NKX 20	83	NKX 20 Z	90	20	30	30	10	20	12 000	20 500	12 500	19 800	7 500	30.7
25	NKX 25	125	NKX 25 Z	132	25	37	30	11	25	14 500	29 500	16 800	28 000	6 000	37.7
30	NKX 30	141	NKX 30 Z	148	30	42	30	11	30	19 600	32 500	19 000	33 500	5 000	42.7
35	NKX 35	163	NKX 35 Z	168	35	47	30	12	35	20 500	39 600	20 100	39 000	4 600	47.7
40	NKX 40	200	NKX 40 Z	208	40	52	32	13	40	22 300	44 500	24 500	50 500	4 000	55.7
45	NKX 45	252	NKX 45 Z	265	45	58	32	14	45	24 500	50 980	25 800	57 600	3 600	60.5
50	NKX 50	280	NKX 50 Z	300	50	62	35	14	50	34 800	70 800	27 500	63 200	3 300	65.5
60	NKX 60	360	NKX 60 Z	380	60	72	40	17	60	39 600	86 400	39 800	94 900	2 800	80.5
70	NKX 70	500	NKX 70 Z	520	70	85	40	18	70	40 800	90 800	40 980	90 800	2 400	90.5

The axial cages are made of plastic, permissible operating temperature: 120°C (continuous operation)

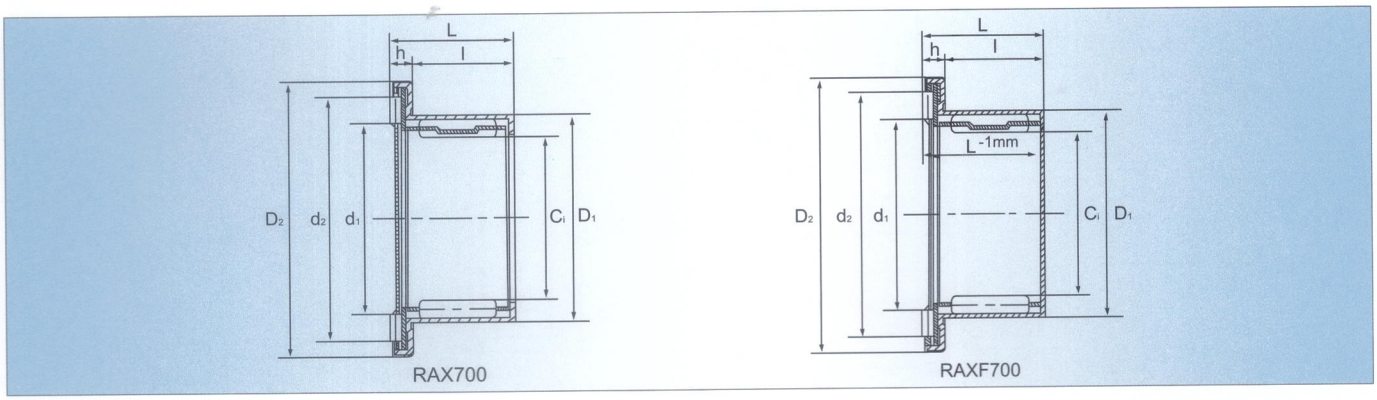
1) Minimun axial load Fa = 1% to 2% of the axial dynamic load rating C_r.
2) Limiting speed for oil lubrication.
   With grease lubrication, 60% of the values given in the table is permissible.
3) Inner rings and snag ring grooves must be orderd sepately.



Shaft Diameter	Bearing Designation and Mass Approx				Boundary Dimensions					Basic Load Rating				Limiting Speed	Mounting Dimension
	Without Retaining Cap	Mass	With Retaining Cap	Mass	F_w	D	C	C_1	d_w	Radial		Axial		Oil	d_a
										C_r Dynamic	C_{or} Static	C_r Dynamic	C_{or} Static		
mm		g		g	mm					N				rpm	mm
15	NKXR 15	42	NKXR 15 Z	45	15	24	23	9	15	9 670	9 850	10 900	24 500	11 000	23.7
17	NKXR 17	50	NKXR 17 Z	53	17	26	25	9	17	9 860	13 800	12 800	32 800	10 000	25.7
20	NKXR 20	80	NKXR 20 Z	84	20	30	30	10	20	12 000	20 500	20 900	50 600	8 500	30.7
25	NKXR 25	120	NKXR 25 Z	125	25	37	30	11	25	14 500	29 500	31 500	73 500	7 000	37.7
30	NKXR 30	135	NKXR 30 Z	141	30	42	30	11	30	19 600	32 500	32 800	82 500	6 000	42.7
35	NKXR 35	157	NKXR 35 Z	165	35	47	30	12	35	20 500	39 600	36 800	96 000	5 500	47.7
40	NKXR 40	204	NKXR 40 Z	214	40	52	32	13	40	22 300	44 500	54 000	139 000	4 800	55.7
45	NKXR 45	244	NKXR 45 Z	260	45	58	32	14	45	24 500	50 980	57 500	148 000	4 400	60.6
50	NKXR 50	268	NKXR 50 Z	288	50	62	35	14	50	34 800	70 800	60 500	169 000	4 000	65.5

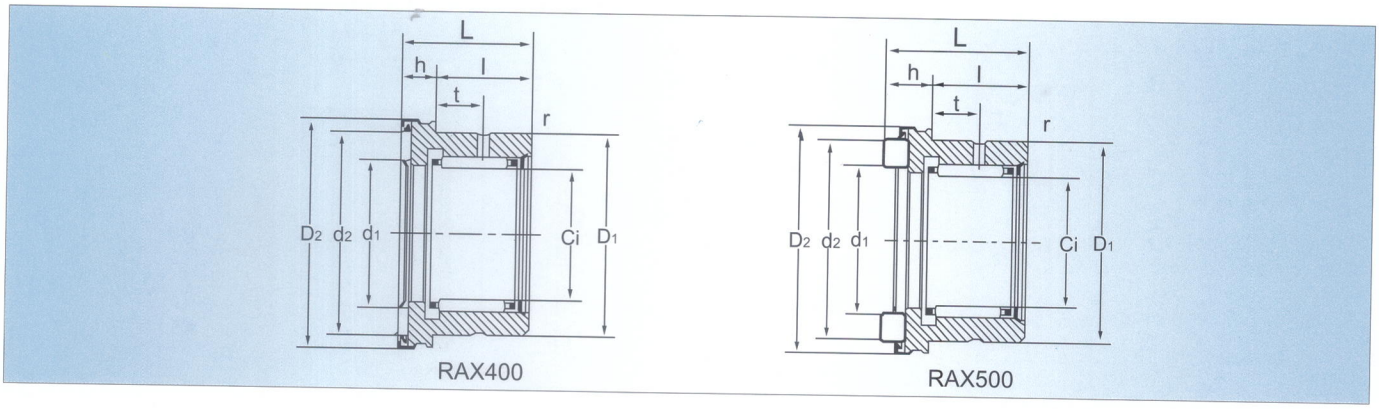
The axial cages are made of plastic, permissible operating temperature: 120°C (continuous operation)

1) Minimun axial load Fa = 1% to 2% of the axial dynamic load rating C_r.
2) Limiting speed for oil lubrication.
   With grease lubrication, 60% of the values given in the table is permissible.
3) Inner rings and snag ring grooves must be orderd sepately.

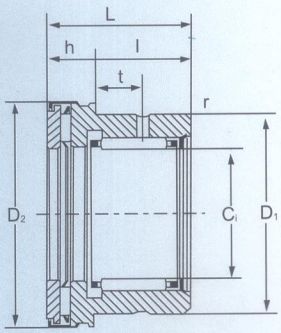


RAX700 RAXF700

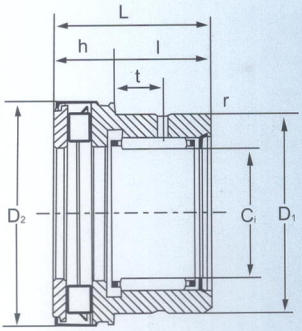
Shaft Diameter	Bearing Designation		Boundary Dimensions								Basic Load Rating				Limiting Speed	Mass	
	RAX700	RAXF700	C_i	D_1	$D_{2\,max}$	l	h	L	d_1	d_2	Radial		Axial				
											C_r Dynamic	C_{or} Static	C_r Dynamic	C_{or} Static			
mm			mm								N				rpm	g	
5	RAX705	-	5	9	15.5	7.7	3.3	11	7.2	11.2	1 720	1 560	2 520	5 080	25 000	4.5	-
12	RAX712	RAXF712	12	18	27.5	10	4.2	14.2	15	22.6	5 040	5 760	5 520	14 100	13 000	16.5	17.5
14	RAX714	RAXF714	14	20	29.5	10	4.2	14.2	17	24.6	5 520	6 800	5 920	16 000	11 500	18	20
15	RAX715	RAXF715	15	21	31.5	10	4.2	14.2	19	26.6	5 920	7 440	6 240	17 600	10 500	20	22
18	RAX718	RAXF718	18	24	33.5	14	4.2	18.2	21	28.6	9 200	14 100	7 200	18 400	10 000	27	30
20	RAX720	RAXF720	20	26	36.5	14	4.2	18.2	22	31.6	9 760	15 600	9 400	31 200	9 000	31	35
25	RAX725	RAXF725	25	33	45.5	18	4.2	22.2	30	39.6	16 400	25 600	10 900	40 600	7 200	55	60
30	RAX730	RAXF730	30	38	50.5	18	4.2	22.2	35	44.7	17 800	30 000	11 900	54 000	6 300	63	70
35	RAX735	RAXF735	35	43	56.5	18	4.2	22.2	39	50.9	19 600	36 000	15 500	70 400	5 500	75	84
40	RAX740	RAXF740	40	48	61.5	18	4.2	22.2	43	54.9	20 900	40 800	16 300	76 800	5 000	86	96
45	RAX745	RAXF745	45	52	66.5	18	4.2	22.2	48	59.9	19 800	44 000	17 400	87 200	4 500	88	99



Shaft Diameter	Bearing Designation		Boundary Dimensions										Basic Load Rating				Limiting Speed	Mass
													Radial		Axial			
	RAX400	RAX500	C_i	D_1	$D_{2\,max}$	l	h	L	t	r_{mini}	d_1	d_2	C_r Dynamic	C_{or} Static	C_r Dynamic	C_{or} Static		
mm			mm										N				rpm	g
10	RAX410		10	19	22	14	5	19	6	0.35	12	18.6	4 800	5 700	4 000	9 800	15 500	25
	-	RAX510	10	19	22	14	5.5	19.5	6	0.35	12.2	18.5	4 800	5 700	6 500	14 300	15 500	26
12	RAX412	-	12	21	26	14	5	19	6	0.35	15	22.6	5 200	6 700	5 600	14 800	13 000	32
	-	RAX512	12	21	26	14	6	20	6	0.35	14.8	22.9	5 200	6 700	10 100	23 600	13 000	33
15	RAX415	-	15	24	28	14	5	19	6	0.35	17	24.6	7 500	9 300	6 000	16 600	11 500	34
	-	RAX515	15	24	28	14	6	20	6	0.35	16.8	24.9	7 500	9 300	11 200	27 200	11 500	36
17	RAX417	-	17	26	30	16	5	21	8	0.65	19	26.6	9 400	13 000	6 400	18 400	10 500	41
	-	RAX517	17	26	30	16	6	22	8	0.65	18.8	26.9	9 400	13 000	12 000	31 200	10 500	44
20	RAX420	-	20	30	35	18	6	24	9	0.85	22	31.6	11 700	18 200	9 400	31 200	9 000	66
	-	RAX520	20	30	35	18	8	26	9	0.85	22	31.6	11 700	18 200	17 600	43 200	9 000	70
25	RAX425	-	25	37	42	18	6	24	9	0.85	27.7	37.4	12 800	22 000	10 600	39 200	7 500	99
		RAX525	25	37	42	18	8	26	9	0.85	27.7	37.4	12 800	22 000	20 400	63 000	7 500	105
30	RAX430		30	42	47	18	6	24	9	0.85	32.7	42.4	16 400	27 200	11 600	45 600	6 500	111
	-	RAX530	30	42	47	18	8	26	9	0.85	32.7	42.3	16 400	27 200	21 200	61 600	6 500	118
35	RAX435	-	35	47	53	18	6	24	9	0.85	37.2	49	17 600	31 600	15 100	67 200	5 500	130
	-	RAX535	35	47	53.4	18	9	27	9	0.85	37.8	47.8	17 600	31 600	27 000	75 200	5 500	146
40	RAX440	-	40	52	60	18	6	24	9	0.85	43	54.9	19 000	36 000	16 300	76 800	5 000	150
	-	RAX540	40	52	60.4	18	10	28	9	0.85	42.8	54.8	19 000	36 000	36 800	103 200	5 000	174
45	RAX445	-	45	58	65	18	6	24	9	0.85	48	59.9	20 200	40 800	17 400	87 200	4 500	179
	-	RAX545	45	58	65.4	18	10	28	9	0.85	47.8	59.8	20 200	40 800	39 200	114 400	4 500	206
50	RAX450	-	50	62	70	21	6	27	11	1.3	53.3	65.7	22 600	48 800	18 000	94 400	4 000	205
	-	RAX550	50	62	70.4	21	10	31	11	1.3	52.8	64.8	22 600	48 800	40 800	125 600	4 000	232
60	RAX460	-	60	72	85	21	7	28	11	1.3	63.5	79.2	24 800	57 600	25 200	154 400	3 500	282
	-	RAX560	60	72	85.4	21	11	32	11	1.3	63.5	79.5	24 800	57 600	56 800	204 000	3 500	327
70	RAX470	-	70	85	95	21	7	28	11	1.3	75.5	89.2	30 000	68 800	27 600	178 400	3 000	386
	-	RAX570	70	85	95.4	21	11	32	11	1.3	75.5	89.5	30 000	68 800	61 600	236 000	3 000	435

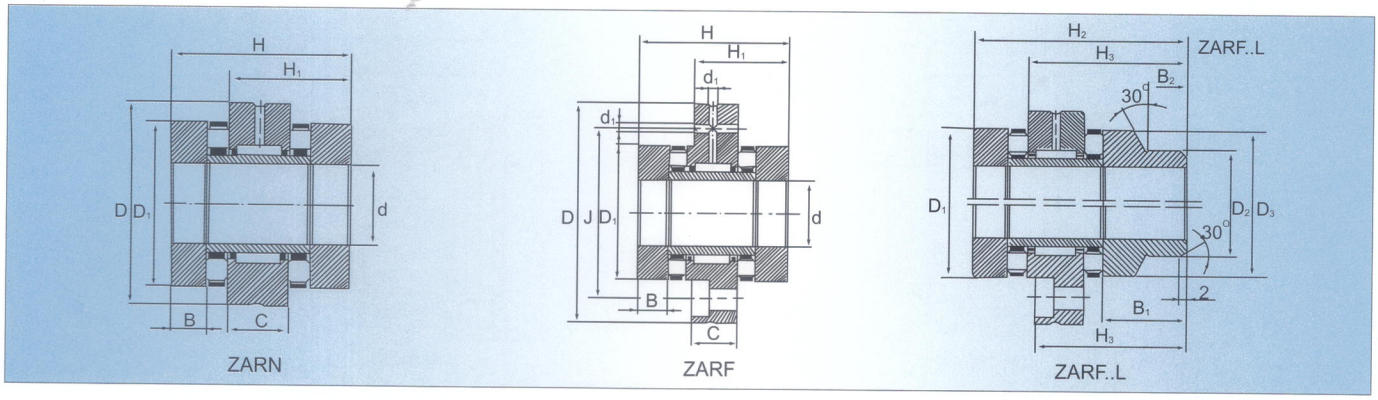


RAXPZ400

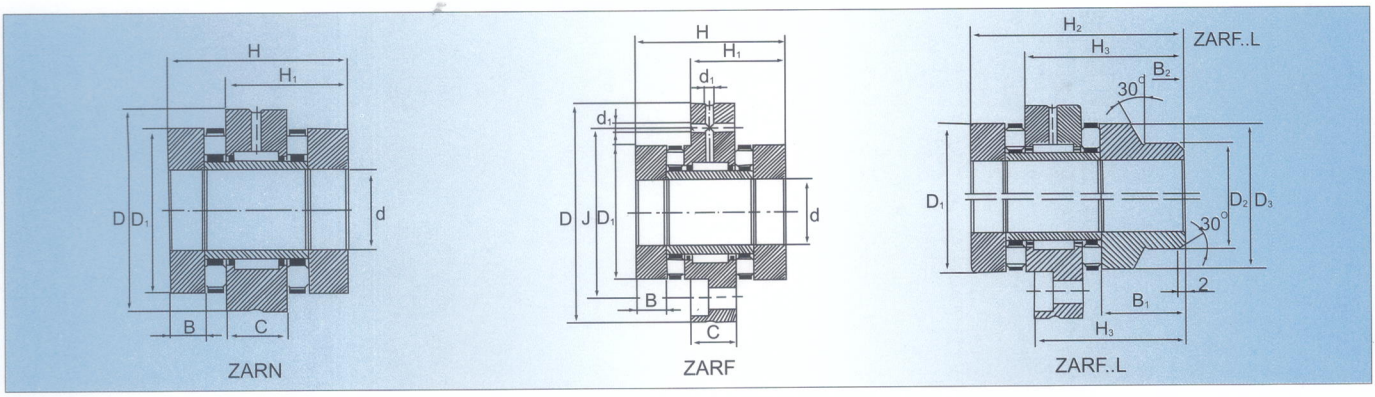


RAXZ500

Shaft Diameter	Bearing Designation		Boundary Dimensions								Basic Load Rating				Limiting Speed	Mass
											Radial		Axial			
	RAX400	RAX500	C_i	D_1	$D_{2\,max}$	l	h	L	t	r_{mini}	C_r Dynamic	C_{or} Static	C_r Dynamic	C_{or} Static		
mm			mm								N				rpm	g
10	RAXPZ410		10	19	22.4	14	7	21	6	0.35	4 800	5 700	4 000	9 800	15 500	29
	-	RAXZ510	10	19	22.4	14	7.5	21.5	6	0.35	4 800	5 700	6 500	14 300	15 500	31
12	RAXPZ412	-	12	21	26.4	14	7	21	6	0.35	5 200	6 700	5 600	14 800	13 000	38
	-	RAXZ512	12	21	26.4	14	8	22	6	0.35	5 200	6 700	10 100	23 600	13 000	39
15	RAXPZ415	-	15	24	28.4	14	7	21	6	0.35	7 500	9 300	6 000	16 600	11 500	40
	-	RAXZ515	15	24	28.4	14	8	22	6	0.35	7 500	9 300	11 200	27 200	11 500	44
17	RAXPZ417	-	17	26	30.4	16	7	23	8	0.65	9 400	13 000	6 400	18 400	10 500	48
	-	RAXZ517	17	26	30.4	16	8	24	8	0.65	9 400	13 000	12 000	31 200	10 500	53
20	RAXPZ420	-	20	30	35.4	18	9	27	9	0.85	11 700	18 200	9 400	31 200	9 000	79
	-	RAXZ520	20	30	35.4	18	11	29	9	0.85	11 700	18 200	17 600	43 200	9 000	86
25	RAXPZ425	-	25	37	43	18	9	27	9	0.85	12 800	22 000	10 600	39 200	7 500	118
		RAXZ525	25	37	43	18	11	29	9	0.85	12 800	22 000	20 400	63 000	7 500	131
30	RAXPZ430		30	42	48	18	9	27	9	0.85	16 400	27 200	11 600	45 600	6 500	133
	-	RAXZ530	30	42	48	18	11	29	9	0.85	16 400	27 200	21 200	61 600	6 500	147
35	RAXPZ435	-	35	47	54	18	9	27	9	0.85	17 600	31 600	15 100	67 200	5 500	157
	-	RAXZ535	35	47	54	18	12	30	9	0.85	17 600	31 600	27 000	75 200	5 500	181
40	RAXPZ440	-	40	52	61	18	9	27	9	0.85	19 000	36 000	16 300	76 800	5 000	184
	-	RAXZ540	40	52	61	18	13	31	9	0.85	19 000	36 000	36 800	103 200	5 000	218
45	RAXPZ445	-	45	58	66	18	9	27	9	0.85	20 200	40 800	17 400	87 200	4 500	216
	-	RAXZ545	45	58	66	18	13	31	9	0.85	20 200	40 800	39 200	114 400	4 500	255
50	RAXPZ450	-	50	62	71	21	9	30	11	1.3	22 600	48 800	18 000	94 400	4 000	245
	-	RAXZ550	50	62	71	21	13	34	11	1.3	22 600	48 800	40 800	125 600	4 000	287
60	RAXPZ460	-	60	72	86	21	11	32	11	1.3	24 800	57 600	25 200	154 400	3 500	365
	-	RAXZ560	60	72	86	21	15	36	11	1.3	24 800	57 600	56 800	204 000	3 500	423
70	RAXPZ470	-	70	85	96	21	11	32	11	1.3	30 000	68 800	27 600	178 400	3 000	479
	-	RAXZ570	70	85	96	21	15	36	11	1.3	30 000	68 800	61 600	236 000	3 000	545



Outside Diameter	Bearing Designation and Mass Approx				Boundary Dimensions														
	Designation	Mass	Designation	Mass	d	D	H	H_1	H_2	H_3	C	D_1	D_2	D_3	B	B_1	B_2	d_1	J
mm		kg		kg	mm														
15	ZARN 1545 TN	0.34	ZARN 1545 L TN	0.37	15	45	40	28	53	41	16	35	24	34	7.5	20.5	11	-	-
	ZARF 1560 TN	0.42	ZARF 1560 L TN	0.45	15	60	40	26	53	39	14	35	24	34	7.5	20.5	11	3.2	46
17	ZARN 1747 TN	0.34	ZARN 1747 L TN	0.41	17	47	43	29.5	57	43.5	16	38	28	38	9	23	11	-	-
	ZARF 1762 TN	0.49	ZARF 1762 L TN	0.52	17	62	43	27.5	57	41.5	14	38	28	38	9	23	11	3.2	48
20	ZARN 2052 TN	0.41	ZARN 2052 L TN	0.46	20	52	46	31	60	45	16	42	30	40	10	24	11	-	-
	ZARF 2068 TN	0.56	ZARF 2068 L TN	0.61	20	68	46	29	60	43	14	42	30	40	10	24	11	3.2	53
25	ZARN 2557 TN	0.53	ZARN 2557 L TN	0.59	25	57	50	35	65	50	20	47	36	45	10	25	11	-	-
	ZARF 2575 TN	0.78	ZARF 2575 L TN	0.84	25	75	50	33	65	48	18	47	36	45	10	25	11	3.2	58
30	ZARN 3062 TN	0.60	ZARN 3062 L TN	0.75	30	62	50	35	65	50	20	52	40	50	10	25	11	-	-
	ZARF 3080 TN	0.85	ZARF 3080 L TN	0.90	30	80	50	33	65	48	18	52	40	50	10	25	11	3.2	63
35	ZARN 3570 TN	0.80	ZARN 3570 L TN	0.93	35	70	54	37	70	53	20	60	45	58	11	27	12	-	-
	ZARF 3590 TN	1.12	ZARF 3590 L TN	1.25	35	90	54	35	70	51	18	60	45	58	11	27	12	3.2	73
40	ZARN 4075 TN	0.90	ZARN 4075 L TN	1.00	40	75	54	37	70	53	20	65	50	63	11	27	12	-	-
	ZARF 40100 TN	1.35	ZARF 40100 L TN	1.45	40	100	54	35	70	51	18	65	50	63	11	27	12	3.2	80
45	ZARN 4580 TN	1.12	ZARN 4580 L TN	1.27	45	80	60	42.5	75	57.5	25	70	56	68	11.5	26.5	12	-	-
	ZARF 45105 TN	1.70	ZARF 45105 L TN	1.85	45	105	60	40	75	55	22.5	70	56	68	11.5	26.5	12	6	85
50	ZARN 5090 TN	1.43	ZARN 5090 L TN	1.78	50	90	60	42.5	78	60.5	25	78	60	78	11.5	29.5	12	-	-
	ZARF 50115 TN	2.10	ZARF 50115 L TN	2.45	50	115	60	40	78	58	22.5	78	60	78	11.5	29.5	12	6	94



Fixing Screws		Basic Load Rating				Limiting Speed		Bearing Torque	Axial Rigidity	tilting rigidity	Locknut	
Thread	Qty	Radial		Axial		Oil	Grease	M_{RL}	C_{aL}	C_{kL}	Thread	M_A
		C_r Dynamic	C_{or} Static	C_r Dynamic	C_{or} Static							
		N				rpm		Nm	N/um	Nm/mrad		Nm
-	-	22 900	42 000	10 000	15 500	6 500	1 800	0.32	1 260	100	M15×1	9.6
M6	6	22 900	42 000	10 000	15 500	6 500	1 800	0.32	1 260	100	M15×1	9.6
-	-	23 000	54 000	11 000	16 100	6 200	1 700	0.38	1 400	130	M17×1	10
M6	6	23 000	54 000	11 000	16 100	6 200	1 700	0.38	1 400	130	M17×1	10
-	-	30 500	61 000	11 000	18 400	5 300	1 590	0.41	1 600	190	M20×1.5	16.8
M6	8	30 500	61 000	11 000	18 400	5 300	1 590	0.41	1 600	190	M20×1.5	16.8
-	-	32 400	69 000	19 600	2 600	4 000	1 300	0.50	1 700	300	M25×1.5	23
M6	8	32 400	69 000	19 600	2 600	4 000	1 300	0.50	1 700	300	M25×1.5	23
-	-	33 800	89 000	20 300	28 500	3 500	1 100	0.55	2 000	420	M30×1.5	29
M6	12	33 800	89 000	20 300	28 500	3 500	1 100	0.55	2 000	420	M30×1.5	29
-	-	46 000	108 000	22 000	37 000	3 100	1 000	0.79	2 300	640	M35×1.5	32
M6	12	46 000	108 000	22 000	37 000	3 100	1 000	0.79	2 300	640	M35×1.5	32
-	-	49 000	123 000	23 500	43 000	3 300	1 900	0.88	2 500	1 000	M40×1.5	45
M8	8	49 000	123 000	23 500	43 000	3 300	1 900	0.88	2 500	1 000	M40×1.5	45
-	-	51 600	148 000	35 000	64 000	2 700	890	1.0	2 800	1 240	M45×1.5	55
M8	8	51 600	148 000	35 000	64 000	2 700	890	1.0	2 800	1 240	M45×1.5	55
-	-	70 000	209 000	38 000	72 000	2 500	860	1.9	3 700	2 370	M50×1.5	75
M8	12	70 000	209 000	48 000	72 000	2 500	860	1.9	3 700	2 370	M50×1.5	75