



Combined Radial Axial Bearings:

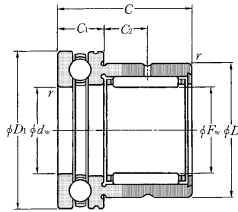
Combined Radial Axial Bearing comprises a radial needle roller bearing for supporting radial load and a thrust bearing for supporting axial load which are assembled integrally, this bearing saves the required installation space and thereby can make the construction of an equipment more compact. Both thrust ball bearing type and thrust axial roller bearing type are available as the bearing intended to support axial load.

Suffix and Corresponding Description for Combined Radial Axial Bearing	
Suffix	Description of Suffix
TV	Polyamide Resin Cage
No Symbol	Steel Cage
Z	With Dust Proof Cover
D1	With Oil Hole and Oil Groove
R	Ribbed Type
P6	JIS Class 6
P5	JIS Class 5
P4	JIS Class 4

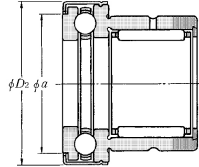
Needle Roller Bearings with Thrust Ball Bearings Without Inner Ring



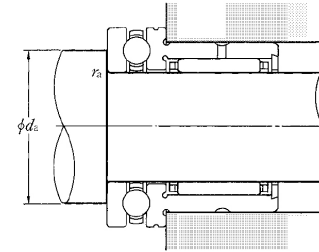
Needle Roller Bearings with Thrust Ball Bearings Without Inner Ring



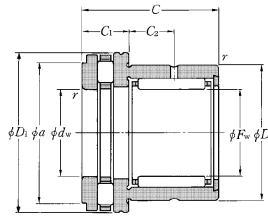
Type NKX
(Open type)



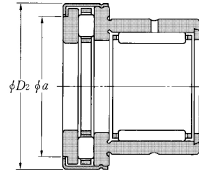
Type NKX-Z
(With cover)



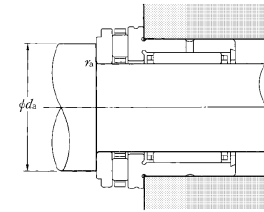
Boundary Dimensions							Basic Load Rating Radial		Basic Load Rating Axial		Limiting speed		Bearing Designation		Recommended Inner Rings Designation	Abutment and Fillet Dimensions (mm)		Mass Approx (kg)	
(mm)							(KN)		(KN)		(rpm)		Type NKX	Type NKX.Z		d _a	r _a	Type NKX	Type NKX.Z
F _w	d _w	D	D ₁	D ₂	C	r (min)	Cr	Cor	Cr	Cor	Grease	Oil				(min)	(max)		
10	10	19	24	25	23	0.3	5.45	6.45	10.00	14.00	6700	9500	NKX10	NKX10Z	IR7X10X16	18	0.3	0.037	0.039
12	12	21	26	27	23	0.3	6.00	7.70	10.30	15.40	6400	9200	NKX12	NKX12Z	IR9X12X16	20	0.3	0.042	0.044
15	15	24	28	29	23	0.3	8.25	10.20	10.50	16.80	6200	8800	NKX15	NKX15Z	IR12X15X16	23	0.3	0.044	0.048
17	17	26	30	31	25	0.3	10.40	14.40	10.80	18.20	6000	8500	NKX17	NKX17Z	IR14X17X17	25	0.3	0.051	0.056
20	20	30	35	36	30	0.3	16.40	27.10	14.20	24.70	5200	7500	NKX20	NKX20Z	IR17X20X20	29	0.3	0.085	0.090
25	25	37	42	43	30	0.6	14.20	24.00	19.60	37.00	4600	6500	NKX25	NKX25Z	IR20X25X20	35	0.6	0.125	0.132
30	30	42	47	48	30	0.6	22.30	39.50	20.40	42.00	4300	6200	NKX30	NKX30Z	IR25X30X20	40	0.6	0.140	0.148
35	35	47	52	53	30	0.6	20.00	36.00	20.40	44.50	3900	5600	NKX35	NKX35Z	IR30X35X20	45	0.6	0.167	0.175
40	40	52	60	61	32	0.6	25.90	52.50	26.90	63.00	3500	5000	NKX40	NKX40Z	IR35X40X20	52	0.6	0.216	0.225
45	45	58	65	66.5	32	0.6	27.60	59.00	27.90	69.00	3200	4600	NKX45	NKX45Z	IR40X45X20	57	0.6	0.252	0.265
50	50	62	70	71.5	35	0.6	27.90	62.00	28.80	75.50	3100	4500	NKX50	NKX50Z	IR45X50X25	62	0.6	0.302	0.318
60	60	72	85	86.5	40	1	29.80	71.50	41.50	113.00	2600	3700	NKX60	NKX60Z	IR50X60X25	75	1	0.465	0.484
70	70	85	95	96.5	40	1	36.50	86.00	43.00	127.00	2400	3400	NKX70	NKX70Z	IR60X70X25	85	1	0.612	0.635



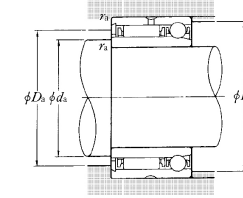
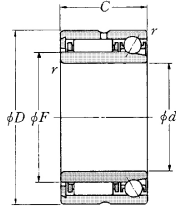
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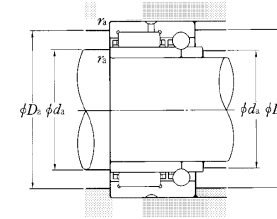
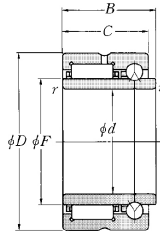
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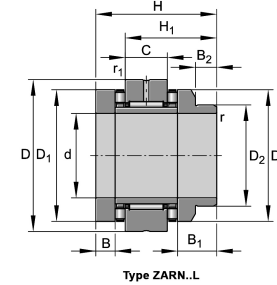
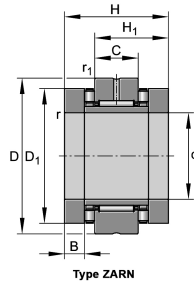
Boundary Dimensions							Basic Load Rating Radial		Basic Load Rating Axial		Limiting speed		Bearing Designation		Recommended Inner Rings Designation	Abutment and Fillet Dimensions (mm)		Mass Approx (kg)	
(mm)							(KN)		(KN)		(rpm)		Type NKXR	Type NKXR..Z		d _a (min)	r _a (max)	Type NKXR	Type NKXR..Z
F _w	d _w	D	D ₁	D ₂	C	r (min)	Cr	Cor	Cr	Cor	Grease	Oil							
15	15	24	28	29	23	0.3	8.25	10.20	12.20	26.80	2800	11000	NKXR15	NKXR15Z	IR12X15X16	25	0.3	0.048	0.052
17	17	26	30	31	25	0.3	10.40	14.40	12.70	29.00	2500	10000	NKXR17	NKXR17Z	IR14X17X17	27	0.3	0.050	0.053
20	20	30	35	36	30	0.3	16.40	27.10	20.20	46.50	2100	8500	NKXR20	NKXR20Z	IR17X20X20	32	0.3	0.090	0.095
25	25	37	42	43	30	0.6	14.20	24.00	27.30	68.00	1800	7000	NKXR25	NKXR25Z	IR20X25X20	39	0.6	0.128	0.135
30	30	42	47	48	30	0.6	22.30	39.50	27.80	72.50	1500	6000	NKXR30	NKXR30Z	IR25X30X20	44	0.6	0.162	0.169
35	35	47	52	53	30	0.6	20.00	36.00	31.00	87.00	1400	5500	NKXR35	NKXR35Z	IR30X35X20	49	0.6	0.184	0.195
40	40	52	60	61	32	0.6	25.90	52.50	43.00	121.00	1200	4800	NKXR40	NKXR40Z	IR35X40X20	56	0.6	0.226	0.237
45	45	58	65	66.5	32	0.6	27.60	59.00	45.50	135.00	1100	4400	NKXR45	NKXR45Z	IR40X45X20	61	0.6	0.267	0.286
50	50	62	70	71.5	35	0.6	27.90	62.00	48.50	150.00	1000	4000	NKXR50	NKXR50Z	IR45X50X25	66	0.6	0.309	0.329



Boundary Dimensions					Basic Load Rating Radial		Basic Load Rating Axial		Limiting Speed		Bearing Designation	Abutment and Fillet Dimensions (mm)				Mass Approx (kg)
(mm)					(KN)		(KN)		(rpm)			d _a	D _a	D _b	r _a	
d	D	C	F	r (min)	Cr	Cor	Cr	Cor	Grease	Oil		(min)	(max)	(max)	(max)	
15	28	18	20	0.3	9.50	13.40	2.34	3.05	13000	20000	NKIA5902	17.5	22	25.5	0.3	0.050
17	30	18	22	0.3	10.10	14.90	2.53	3.55	12000	18000	NKIA5903	19.5	24	27.5	0.3	0.056
20	37	23	25	0.3	16.50	22.10	4.70	6.15	11000	16000	NKIA5904	22.5	28	34.5	0.3	0.111
22	39	23	28	0.3	17.50	24.80	4.90	6.75	9500	14000	NKIA59/22	24.5	31	36.5	0.3	0.120
25	42	23	30	0.3	18.60	27.40	5.10	7.35	8500	13000	NKIA5905	27.5	33	39.5	0.3	0.130
30	47	23	35	0.3	19.40	30.50	5.40	8.55	7500	11000	NKIA5906	32.5	38	44.5	0.3	0.147
35	55	27	42	0.6	25.70	46.00	7.40	12.30	6500	9500	NKIA5907	40	45	50	0.6	0.243
40	62	30	48	0.6	31.00	61.00	7.75	14.00	5500	8500	NKIA5908	45	51	57	0.6	0.347
45	68	30	55	0.6	33.00	69.50	8.50	17.10	5000	7500	NKIA5909	50	58	63	0.6	0.401
50	72	30	60	0.6	33.50	73.50	8.80	18.70	4300	6500	NKIA5910	55	63	67	0.6	0.410
55	80	34	63	1	44.50	95.50	14.30	33.00	4300	6500	NKIA5911	61	66.5	74	1	0.590
60	85	34	68	1	45.50	101.00	14.80	36.00	4000	6000	NKIA5912	66	71.5	79	1	0.632
65	90	34	75	1	46.00	106.00	15.20	39.00	3700	5500	NKIA5913	71	78.5	84	1	0.708
70	100	40	80	1	62.50	146.00	18.60	47.50	3300	5000	NKIA5914	76	84	94	1	1.05



Boundary Dimensions						Basic Load Rating Radial		Basic Load Rating Axial		Limiting Speed		Bearing Designation	Abutment and Fillet Dimensions (mm)			Mass Approx (kg)
(mm)						(KN)		(KN)		(rpm)			d _a	D _a	r _a	
d	D	B	C	F	r (min)	Cr	Cor	Cr	Cor	Grease	Oil		(min)	(max)	(max)	
15	28	20	18	20	0.3	10.80	13.60	2.75	4.20	13000	20000	NKIB5902	17.5	25.5	0.3	0.052
17	30	20	18	22	0.3	11.20	14.60	2.96	4.90	12000	18000	NKIB5903	19.5	27.5	0.3	0.058
20	37	25	23	25	0.3	21.30	25.50	4.65	7.40	11000	16000	NKIB5904	22.5	34.5	0.3	0.107
22	39	25	23	28	0.3	23.20	29.30	5.00	8.65	9500	14000	NKIB59/22	24.5	36.5	0.3	0.122
25	42	25	23	30	0.3	24.00	31.50	5.15	9.25	8500	13000	NKIB5905	27.5	39.5	0.3	0.134
30	47	25	23	35	0.3	25.50	35.50	5.60	11.20	7500	11000	NKIB5906	32.5	44.5	0.3	0.151
35	55	30	27	42	0.6	32.00	50.00	7.05	14.90	6500	9500	NKIB5907	40	50	0.6	0.247
40	62	34	30	48	0.6	43.50	66.50	8.70	19.40	5500	8500	NKIB5908	45	57	0.6	0.320
45	68	34	30	52	0.6	46.00	73.00	9.10	21.40	5000	7500	NKIB5909	50	63	0.6	0.380
50	72	34	30	58	0.6	48.00	80.00	9.60	24.30	4300	6500	NKIB5910	55	67	0.6	0.385
55	80	38	34	63	1	58.50	99.50	11.40	29.40	4300	6500	NKIB5911	61	74	1	0.555
60	85	38	34	68	1	61.50	108.00	11.80	32.00	4000	6000	NKIB5912	66	79	1	0.595
65	90	38	34	72	1	62.50	112.00	12.10	34.00	3700	5500	NKIB5913	71	84	1	0.640
70	100	45	40	80	1	85.50	156.00	15.90	44.50	3300	5000	NKIB5914	76	94	1	0.985

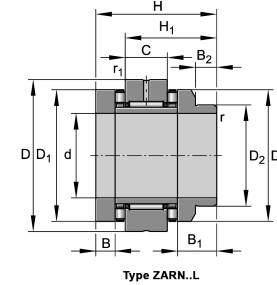
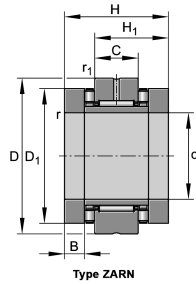


Boundary Dimensions												Basic Load Rating Radial		Basic Load Rating Axial		Limiting speed		Bearing Designation	Abutment and Fillet Dimensions (mm)		Mass Approx (kg)
(mm)												(KN)		(KN)		(rpm)			D _a	d _a	
d	D	H	H ₁	C	D ₁	D ₂	D ₃	B	B ₁	B ₂	r	r ₁	Cr	Cor	Cr	Cor	Grease		Oil	(max)	
15	45	40	28	16	35	-	-	7.5	-	-	0.3	0.6	13.00	17.50	24.90	53.00	2200	8500	36	28	0.34
15	45	53	41	16	35	24	34	7.5	20.5	11	0.3	0.6	13.00	17.50	24.90	53.00	2200	8500	36	22	0.37
17	47	43	29.5	16	38	-	-	9	-	-	0.3	0.6	14.00	19.90	26.00	57.00	2100	7800	39	28	0.37
17	47	57	43.5	16	38	28	38	9	23	11	0.3	0.6	14.00	19.90	26.00	57.00	2100	7800	39	26	0.41
20	52	46	31	16	42	-	-	10	-	-	0.3	0.6	14.90	22.40	33.50	76.00	2000	7000	43	33	0.41
20	52	60	45	16	42	30	40	10	24	12	0.3	0.6	14.90	22.40	33.50	76.00	2000	7000	43	28	0.46
25	57	50	35	20	47	-	-	10	-	-	0.3	0.6	22.60	36.00	35.50	86.00	1900	6000	48	39	0.53
25	57	65	50	20	47	36	45	10	25	12	0.3	0.6	22.60	36.00	35.50	86.00	1900	6000	48	34	0.59
30	62	50	35	20	52	-	-	10	-	-	0.3	0.6	24.30	41.50	39.00	101.00	1800	5500	53	44	0.6
30	62	65	50	20	52	40	50	10	25	13	0.3	0.6	24.30	41.50	39.00	101.00	1800	5500	53	38	0.75
35	70	54	37	20	60	-	-	11	-	-	0.3	0.6	26.00	47.00	56.00	148.00	1700	4800	61	50	0.8
35	70	70	53	20	60	45	58	11	27	13	0.3	0.6	26.00	47.00	56.00	148.00	1700	4800	61	43	0.93
40	75	54	37	20	65	-	-	11	-	-	0.3	0.6	27.50	53.00	59.00	163.00	1600	4400	66	55	0.9
40	75	70	53	20	65	50	63	11	27	14	0.3	0.6	27.50	53.00	59.00	163.00	1600	4400	66	48	1
45	80	60	42.5	25	70	-	-	11.5	-	-	0.3	0.6	38.00	74.00	61.00	177.00	1500	4000	71	60	1.12
45	80	75	57.5	25	70	56	68	11.5	26.5	13	0.3	0.6	38.00	74.00	61.00	177.00	1500	4000	71	54	1.27
50	90	60	42.5	25	78	-	-	11.5	-	-	0.3	0.6	40.00	82.00	90.00	300.00	1200	3600	79	67	1.43
50	90	78	60.5	25	78	60	78	11.5	29.5	14	0.3	0.6	40.00	82.00	90.00	300.00	1200	3600	79	58	1.78

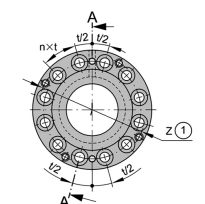
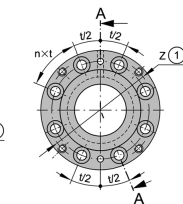
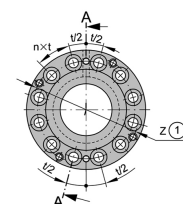
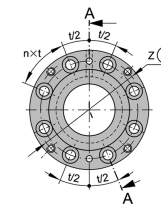
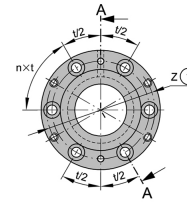
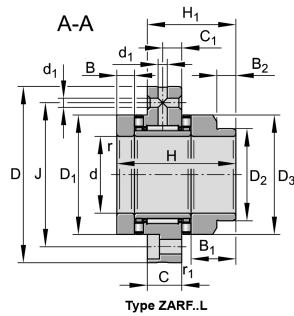
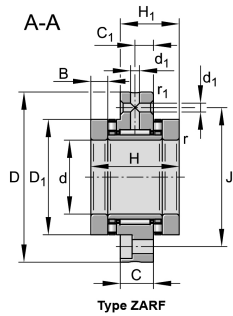
Needle Roller / Axial Cylindrical Roller Bearings
Heavy Series Without Fixing Holes



Needle Roller / Axial Cylindrical Roller Bearings
Heavy Series Without Fixing Holes



Boundary Dimensions												Basic Load Rating Radial		Basic Load Rating Axial		Limiting speed		Bearing Designation	Abutment and Fillet Dimensions (mm)		Mass Approx (kg)	
(mm)												(KN)		(KN)		(rpm)			D _a	d _a		
d	D	H	H ₁	C	D ₁	D ₂	D ₃	B	B ₁	B ₂	r	r ₁	Cr	Cor	Cr	Cor	Grease		Oil	(max)		(min)
20	62	60	40	20	52	-	-	12.5	-	-	0.3	0.6	22.60	36.00	64.00	141.00	1500	6000	ZARN2062-TV	53	38	0.87
20	62	75	55	20	52	40	50	12.5	27.5	13	0.3	0.6	22.60	36.00	64.00	141.00	1500	6000	ZARN2062-L-TV	53	38	0.99
25	72	60	40	20	62	-	-	12.5	-	-	0.3	0.6	24.30	41.50	80.00	199.00	1400	4900	ZARN2572-TV	63	45	1.17
25	72	75	55	20	62	48	60	12.5	27.5	13	0.3	0.6	24.30	41.50	80.00	199.00	1400	4900	ZARN2572-L-TV	63	45	1.32
30	80	66	43	20	68	-	-	14	-	-	0.3	0.6	26.00	47.00	107.00	265.00	1300	4400	ZARN3080-TV	69	52	1.5
30	80	82	59	20	68	52	66	14	30	13	0.3	0.6	26.00	47.00	107.00	265.00	1300	4400	ZARN3080-L-TV	69	50	1.7
35	85	66	43	20	73	-	-	14	-	-	0.3	0.6	27.50	53.00	105.00	265.00	1250	4000	ZARN3585-TV	74	60	1.65
35	85	82	59	20	73	60	73	14	30	13	0.3	0.6	27.50	53.00	105.00	265.00	1250	4000	ZARN3585-L-TV	74	58	1.8
40	90	75	50	25	78	-	-	16	-	-	0.3	0.6	38.00	74.00	117.00	315.00	1200	3700	ZARN4090-TV	79	65	2.09
40	90	93	68	25	78	60	78	16	34	14	0.3	0.6	38.00	74.00	117.00	315.00	1200	3700	ZARN4090-L-TV	79	58	2.39
45	105	82	53.5	25	90	-	-	17.5	-	-	0.3	0.6	40.00	82.00	154.00	405.00	1150	3300	ZARN45105-TV	91	70	3.02
45	105	103	74.5	25	90	70	88	17.5	38.5	18	0.3	0.6	40.00	82.00	154.00	405.00	1150	3300	ZARN45105-L-TV	91	68	3.42
50	110	82	53.5	25	95	-	-	17.5	-	-	0.3	0.6	41.50	88.00	172.00	480.00	1100	3100	ZARN50110-TV	96	75	3.3
50	110	103	74.5	25	95	75	93	17.5	38.5	18	0.3	0.6	41.50	88.00	172.00	480.00	1100	3100	ZARN50110-L-TV	96	73	3.75
55	115	82	53.5	25	100	-	-	17.5	-	-	0.3	0.6	44.00	98.00	177.00	500.00	1000	2900	ZARN55115-TV	101	85	3.5
55	115	103	74.5	25	100	80	98	17.5	38.5	18	0.3	0.6	44.00	98.00	177.00	500.00	1000	2900	ZARN55115-L-TV	101	78	4
60	120	82	53.5	25	105	-	-	17.5	-	-	0.3	0.6	44.50	92.00	187.00	550.00	950	2700	ZARN60120-TV	106	90	3.7
60	120	103	74.5	25	105	90	105	17.5	38.5	18	0.3	0.6	44.50	92.00	187.00	550.00	950	2700	ZARN60120-L-TV	106	88	4.85
65	125	82	53.5	25	110	-	-	17.5	-	-	0.3	0.6	54.00	104.00	172.00	500.00	900	2600	ZARN65125-TV	111	97	4
65	125	103	74.5	25	110	90	108	17.5	38.5	18	0.3	0.6	54.00	104.00	172.00	500.00	900	2600	ZARN65125-L-TV	111	88	4.6
70	130	82	53.5	25	115	-	-	17.5	-	-	0.3	0.6	56.00	119.00	201.00	630.00	800	2400	ZARN70130-TV	116	100	4.1
70	130	103	74.5	25	115	100	115	17.5	38.5	18	0.3	0.6	56.00	119.00	201.00	630.00	800	2400	ZARN70130-L-TV	116	98	4.85
75	155	100	65	30	135	-	-	21	-	-	0.3	1	72.00	132.00	290.00	890.00	700	2100	ZARN75155-TV	136	113	7.9
75	155	125	90	30	135	115	135	21	46	20	0.3	1	72.00	132.00	290.00	890.00	700	2100	ZARN75155-L-TV	136	110	9.1
90	180	110	72.5	35	160	-	-	22.5	-	-	0.3	1	98.00	210.00	325.00	1030.00	700	1800	ZARN90180-TV	161	130	11.8
90	180	135	97.5	35	160	130	158	22.5	47.5	18	0.3	1	98.00	210.00	325.00	1030.00	700	1800	ZARN90180-L-TV	161	125	13.2

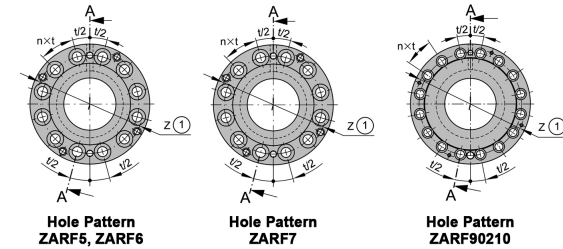
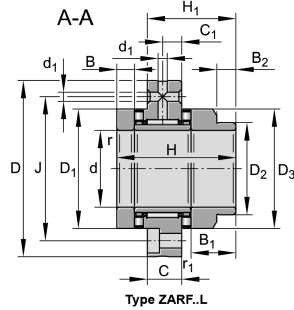
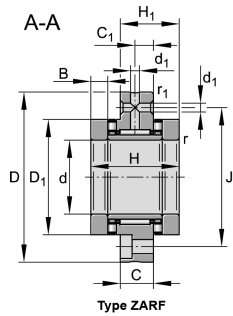


Boundary Dimensions															Pitch		Basic Load Rating Radial (KN)	Basic Load Rating Axial (KN)	Limiting Speed		Bearing Designation	Abutment and Fillet Dimensions (mm)			Mass Approx (kg)		
(mm)																			rpm			D _a	d _a	t ₁			
d	D	H	H ₁	C	C ₁	D ₁	D ₂	D ₃	B	B ₁	B ₂	d ₁	J	r (min)	r ₁ (min)	n	t	Cr	Cor	Cr	Cor	Grease	Oil	D _a (max)	d _a (min)	t ₁	
15	60	40	26	14	8	35	-	-	7.5	-	-	3.2	46	0.3	0.6	6	60	13.00	17.50	24.90	53.00	2200	8500	36	28	0.1	0.42
15	60	53	39	14	8	35	24	34	7.5	20.5	11	3.2	46	0.3	0.6	6	60	13.00	17.50	24.90	53.00	2200	8500	36	22	0.1	0.45
17	62	43	27.5	14	8	38	-	-	9	-	-	3.2	48	0.3	0.6	6	60	14.00	19.90	26.00	57.00	2100	7800	39	28	0.1	0.49
17	62	57	41.5	14	8	38	28	38	9	23	11	3.2	48	0.3	0.6	6	60	14.00	19.90	26.00	57.00	2100	7800	39	26	0.1	0.52
20	68	46	29	14	8	42	-	-	10	-	-	3.2	53	0.3	0.6	8	45	14.90	22.40	33.50	76.00	2000	7000	43	33	0.1	0.56
20	68	60	43	14	8	42	30	40	10	24	12	3.2	53	0.3	0.6	8	45	14.90	22.40	33.50	76.00	2000	7000	43	28	0.1	0.61
25	75	50	33	18	10	47	-	-	10	-	-	3.2	58	0.3	0.6	8	45	22.60	36.00	35.50	86.00	1900	6000	48	39	0.1	0.78
25	75	65	48	18	10	47	36	45	10	25	12	3.2	58	0.3	0.6	8	45	22.60	36.00	35.50	86.00	1900	6000	48	34	0.1	0.84
30	80	50	33	18	10	52	-	-	10	-	-	3.2	63	0.3	0.6	12	30	24.30	41.50	39.00	101.00	1800	5500	53	44	0.1	0.85
30	80	65	48	18	10	52	40	50	10	25	13	3.2	63	0.3	0.6	12	30	24.30	41.50	39.00	101.00	1800	5500	53	38	0.1	0.9
35	90	54	35	18	10	60	-	-	11	-	-	3.2	73	0.3	0.6	12	30	26.00	47.00	56.00	148.00	1700	4800	61	50	0.1	1.12
35	90	70	51	18	10	60	45	58	11	27	13	3.2	73	0.3	0.6	12	30	26.00	47.00	56.00	148.00	1700	4800	61	43	0.1	1.25
40	100	54	35	18	10	65	-	-	11	-	-	3.2	80	0.3	0.6	8	45	27.50	53.00	59.00	163.00	1600	4400	66	55	0.2	1.35
40	100	70	51	18	10	65	50	63	11	27	14	3.2	80	0.3	0.6	8	45	27.50	53.00	59.00	163.00	1600	4400	66	48	0.2	1.45
45	105	60	40	22.5	12.5	70	-	-	11.5	-	-	6	85	0.3	0.6	8	45	38.00	74.00	61.00	177.00	1500	4000	71	60	0.2	1.7
45	105	75	55	22.5	12.5	70	56	68	11.5	26.5	13	6	85	0.3	0.6	8	45	38.00	74.00	61.00	177.00	1500	4000	71	54	0.2	1.85
50	115	60	40	22.5	12.5	78	-	-	11.5	-	-	6	94	0.3	0.6	12	30	40.00	82.00	90.00	300.00	1200	3600	79	67	0.2	2.1
50	115	78	58	22.5	12.5	78	60	78	11.5	29.5	14	6	94	0.3	0.6	12	30	40.00	82.00	90.00	300.00	1200	3600	79	58	0.2	2.45

Needle Roller / Axial Cylindrical Roller Bearings
Heavy Series With Fixing Holes



Needle Roller / Axial Cylindrical Roller Bearings
Heavy Series With Fixing Holes



Boundary Dimensions																Pitch	Basic Load Rating Radial	Basic Load Rating Axial	Limiting speed		Bearing Designation	Abutment and Fillet Dimensions (mm)			Mass Approx (kg)			
(mm)																			(KN)			(rpm)		D _a		d _a	t ₁	
d	D	H	H ₁	C	C ₁	D ₁	D ₂	D ₃	B	B ₁	B ₂	d ₁	J	r (min)	r ₁ (min)	n	t	Cr	Cor	Cr	Cor	Grease	Oil	(max)	(min)	t ₁		
20	80	60	38	18	10	52	-	-	12.5	-	-	3.2	63	0.3	0.6	12	30	22.60	36.00	64.00	141.00	1500	6000	ZARF2080-TV	53	38	0.1	1.1
20	80	75	53	18	10	52	40	50	12.5	27.5	13	3.2	63	0.3	0.6	12	30	22.60	36.00	64.00	141.00	1500	6000	ZARF2080-L-TV	53	38	0.1	1.22
25	90	60	38	18	10	62	-	-	12.5	-	-	3.2	73	0.3	0.6	12	30	24.30	41.50	80.00	199.00	1400	4900	ZARF2590-TV	63	45	0.1	1.6
25	90	75	53	18	10	62	48	60	12.5	27.5	13	3.2	73	0.3	0.6	12	30	24.30	41.50	80.00	199.00	1400	4900	ZARF2590-L-TV	63	45	0.1	1.75
30	105	66	41	18	10	68	-	-	14	-	-	3.2	85	0.3	0.6	12	30	26.00	47.00	107.00	265.00	1300	4400	ZARF30105-TV	69	52	0.2	1.95
30	105	82	57	18	10	68	52	66	14	30	13	3.2	85	0.3	0.6	12	30	26.00	47.00	107.00	265.00	1300	4400	ZARF30105-L-TV	69	50	0.2	2.15
35	110	66	41	18	10	73	-	-	14	-	-	3.2	88	0.3	0.6	12	30	27.50	53.00	105.00	265.00	1250	4000	ZARF35110-TV	74	60	0.2	1.6
35	110	82	57	18	10	73	60	73	14	30	13	3.2	88	0.3	0.6	12	30	27.50	53.00	105.00	265.00	1250	4000	ZARF35110-L-TV	74	58	0.2	1.85
40	115	75	47.5	22.5	12.5	78	-	-	16	-	-	6	94	0.3	0.6	12	30	38.00	74.00	117.00	315.00	1200	3700	ZARF40115-TV	79	65	0.2	2.7
40	115	93	65.5	22.5	12.5	78	60	78	16	34	14	6	94	0.3	0.6	12	30	38.00	74.00	117.00	315.00	1200	3700	ZARF40115-L-TV	79	58	0.2	3
45	130	82	51	22.5	12.5	90	-	-	17.5	-	-	6	105	0.3	0.6	12	30	40.00	82.00	154.00	405.00	1150	3300	ZARF45130-TV	91	70	0.2	3.9
45	130	103	72	22.5	12.5	90	70	88	17.5	38.5	18	6	105	0.3	0.6	12	30	40.00	82.00	154.00	405.00	1150	3300	ZARF45130-L-TV	91	68	0.2	4.3
50	140	82	51	22.5	12.5	95	-	-	17.5	-	-	6	113	0.3	0.6	12	30	41.50	88.00	172.00	480.00	1100	3100	ZARF50140-TV	96	75	0.2	4.2
50	140	103	72	22.5	12.5	95	75	93	17.5	38.5	18	6	113	0.3	0.6	12	30	41.50	88.00	172.00	480.00	1100	3100	ZARF50140-L-TV	96	73	0.2	4.65
55	145	82	51	22.5	12.5	100	-	-	17.5	-	-	6	118	0.3	0.6	12	30	44.00	98.00	177.00	500.00	1000	2900	ZARF55145-TV	101	85	0.2	4.5
55	145	103	72	22.5	12.5	100	80	98	17.5	38.5	18	6	118	0.3	0.6	12	30	44.00	98.00	177.00	500.00	1000	2900	ZARF55145-L-TV	101	78	0.2	5
60	150	82	51	22.5	12.5	105	-	-	17.5	-	-	6	123	0.3	0.6	12	30	44.50	92.00	187.00	550.00	950	2700	ZARF60150-TV	106	90	0.2	4.7
60	150	103	72	22.5	12.5	105	90	105	17.5	38.5	18	6	123	0.3	0.6	12	30	44.50	92.00	187.00	550.00	950	2700	ZARF60150-L-TV	106	88	0.2	5.35
65	155	82	51	22.5	12.5	110	-	-	17.5	-	-	6	128	0.3	0.6	12	30	54.00	104.00	172.00	500.00	900	2600	ZARF65155-TV	111	97	0.2	5.1
65	155	103	72	22.5	12.5	110	90	108	17.5	38.5	18	6	128	0.3	0.6	12	30	54.00	104.00	172.00	500.00	900	2600	ZARF65155-L-TV	111	88	0.2	5.7
70	160	82	51	22.5	12.5	115	-	-	17.5	-	-	6	133	0.3	0.6	12	30	56.00	119.00	201.00	630.00	800	2400	ZARF70160-TV	116	100	0.2	5.2
70	160	103	72	22.5	12.5	115	100	115	17.5	38.5	18	6	133	0.3	0.6	12	30	56.00	119.00	201.00	630.00	800	2400	ZARF70160-L-TV	116	98	0.2	5.95
75	185	100	62	27	15	135	-	-	21	-	-	6	155	0.3	1	12	30	72.00	132.00	290.00	890.00	700	2100	ZARF75185-TV	136	113	0.4	9.4
75	185	125	87	27	15	135	115	135	21	46	20	6	155	0.3	1	12	30	72.00	132.00	290.00	890.00	700	2100	ZARF75185-L-TV	136	110	0.4	10.6
90	210	110	69.5	32	17.5	160	-	-	22.5	-	-	8	180	0.3	1	16	22.5	98.00	210.00	325.00	1030.00	700	1800	ZARF90210-TV	161	130	0.4	13.7
90	210	135	94.5	32	17.5	160	130	158	22.5	47.5	18	8	180	0.3	1	16	22.5	98.00	210.00	325.00	1030.00	700	1800	ZARF90210-L-TV	161	125	0.4	15.1