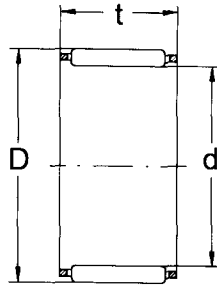


Radial Needle Roller and Cage Assemblies

K Series

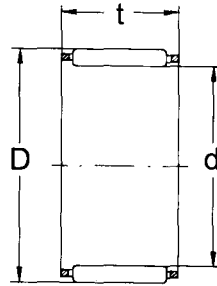


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Ball / Roller Bearing

Shaft Diameter (mm)	Bearing Number	Dimensions(mm)			Basic Load Ratings(N)		Limiting Speeds(rpm)		Weight (g)
		d	D	t	Dynamic	Static	Grease	Oil	
8	K8X11X8	8	11	8	3150	3000	21000	32000	1.1
	K8X11X10	8	11	10	4000	4100	21000	32000	1.3
	K8X11X13	8	11	13	4850	5200	21000	32000	2.6
	K8X12X10	8	12	10	4650	4150	21000	32000	2.0
	K8X12X12	8	12	12	5600	5300	21000	32000	3.4
	K8X12X13	8	12	13	5600	5300	21000	32000	3.6
9	K9X12X10	9	12	10	4550	5000	20000	30000	1.5
	K9X12X13	9	12	13	5500	6400	20000	30000	2.1
10	K10X13X10	10	13	10	4550	5100	19000	28000	1.6
	K10X13X13	10	13	13	5450	6450	19000	28000	3.1
	K10X14X10	10	14	10	5500	5450	19000	28000	3.4
	K10X14X8	10	14	8	4300	3950	19000	28000	2.7
	K10X14X13	10	14	13	6600	6900	19000	28000	4.4
	K10X16X12	10	16	12	7100	5950	19000	28000	6.6
11	K11X14X10	11	14	10	5000	6000	18000	27000	2.8
12	K12X15X9	12	15	9	4450	5250	17000	26000	2.7
	K12X15X10	12	15	10	5000	6100	17000	26000	3.3
	K12X15X12	12	15	12	6000	7700	17000	26000	3.8
	K12X15X20	12	15	20	8500	1200	17000	26000	5.9
	K12X16X13	12	16	13	7500	8500	17000	26000	5.5
	K12X17X13	12	17	13	9000	9400	17000	26000	7.5
14	K12X18X12	12	18	12	8600	8000	17000	26000	8.4
	K14X17X10	14	17	10	5400	7000	16000	24000	K14
	K14X18X13	14	18	13	8300	10000	16000	24000	6.3
	K14X18X15	14	18	15	9600	12000	16000	24000	7.6
	K14X18X17	14	18	17	10900	14400	16000	24000	8.1
	K14X19X13	14	19	13	8950	9650	16000	24000	8
	K14X20X12	14	20	12	9350	9150	16000	24000	9.5
15	K14X20X17	14	20	17	13500	14600	16000	24000	14
	K15X18X14	15	18	14	7850	11600	15000	23000	6
	K15X19X17	15	19	17	10900	14600	15000	23000	9
	K15X20X13	15	20	13	10100	11500	15000	23000	8.8
	K15X21X17	15	21	17	15100	17200	15000	23000	14
16	K15X21X21	15	21	21	16500	19100	15000	23000	17
	K16X20X13	16	20	13	9000	11800	15000	23000	7.1
	K16X20X17	16	20	17	11900	16800	15000	23000	9.2
	K16X22X13	16	22	13	12600	13900	15000	23000	11
	K16X22X16	16	22	16	14200	16000	15000	23000	14
	K16X22X20	16	22	20	16000	18800	15000	23000	17
17	K17X21X13	17	21	13	9400	12600	15000	22000	7.5
	K17X21X17	17	21	17	11800	16900	15000	22000	9.5
	K17X22X20	17	22	20	14700	19200	15000	22000	15
	K17X23X17	17	23	17	14000	16000	15000	22000	16
18	K18X22X13	18	22	13	8900	11900	14000	21000	7.7
	K18X22X17	18	22	17	11700	17000	14000	21000	11
	K18X23X20	18	23	20	14600	19000	14000	21000	15
	K18X24X13	18	24	13	11600	12800	14000	21000	13
	K18X24X20	18	24	20	17000	20900	14000	21000	19
	K18X25X17	18	25	17	18000	20400	14000	21000	19
19	K18X25X20	18	25	20	22000	26600	14000	21000	24
	K19X23X13	19	23	13	9600	13500	14000	21000	8.2
	K19X23X17	19	23	17	12700	19200	14000	21000	11

K Series



Radial Needle Roller and Cage Assemblies

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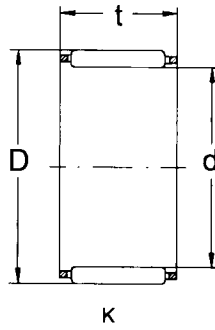
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Ball / Roller Bearing

Shaft Diameter (mm)	Bearing Number	Dimensions(mm)			Basic Load Ratings(N)		Limiting Speeds(rpm)		Weight (g)
		d	D	t	Dynamic	Static	Grease	Oil	
20	K20X24X10	20	24	10	8300	11200	13000	20000	6.5
	K20X24X17	20	24	17	13200	20400	13000	20000	11
	K20X26X13	20	26	13	14000	16700	13000	20000	12
	K20X26X20	20	26	20	20600	27600	13000	20000	19
	K20X28X25	20	28	25	27000	32500	13000	20000	37
21	K21X25X13	21	25	13	10300	15000	13000	19000	9
	K21X25X17	21	25	17	13600	21500	13000	19000	12
22	K22X26X17	22	26	17	13500	21600	12000	18000	12
	K22X28X17	22	28	17	17700	23000	12000	18000	20
	K22X29X16	22	29	16	18700	22700	12000	18000	22
	K22X30X15	22	30	15	19300	21700	12000	18000	22
24	K24X28X13	24	28	13	10800	16800	11000	17000	10
	K24X28X17	24	28	17	14300	23900	11000	17000	13
	K24X29X13	24	29	13	12300	16900	11000	17000	12
	K24X30X17	24	30	17	18400	25000	11000	17000	22
25	K25X29X17	25	29	17	14200	24000	11000	16000	14
	K25X30X13	25	30	13	13200	18800	11000	16000	13
	K25X30X20	25	30	20	19400	31000	11000	16000	21
	K25X31X14	25	31	14	16500	22100	11000	16000	18
	K25X31X21	25	31	21	22500	33000	11000	16000	26
	K25X32X16	25	32	16	19500	24700	11000	16000	25
26	K25X33X24	25	33	24	34500	47000	11000	16000	40
	K26X30X17	26	30	17	15500	27400	10000	15000	15
28	K26X34X22	26	34	22	24200	30000	10000	15000	41
	K28X32X21	28	32	21	18700	35500	9500	14000	20
	K28X33X17	28	33	17	18300	29800	9500	14000	20
	K28X33X27	28	33	27	28300	52000	9500	14000	32
	K28X34X17	28	34	17	18000	25800	9500	14000	24
30	K28X35X18	28	35	18	21500	28900	9500	14000	31
	K30X35X20	30	35	20	21600	37500	8500	13000	25
	K30X35X27	30	35	27	29900	57000	8500	13000	33
	K30X36X14	30	36	14	18600	27400	8500	13000	22
	K30X37X18	30	37	18	23300	33000	8500	13000	34
	K30X37X20	30	37	20	26200	38000	8500	13000	38
32	K30X38X18	30	38	18	25000	33000	8500	13000	36
	K32X36X15	32	36	15	14300	26400	8500	13000	17
	K32X37X17	32	37	17	19200	33000	8500	13000	22
	K32X37X27	32	37	27	29600	57500	8500	13000	37
	K32X38X20	32	38	20	25100	41000	8500	13000	31
	K32X38X26	32	38	26	31500	54000	8500	13000	41
	K32X39X16	32	39	16	22600	32000	8500	13000	34
35	K32X39X20	32	39	20	26800	40000	8500	13000	41
	K35X40X17	35	40	17	20000	36000	7500	11000	25
	K35X41X15	35	41	15	20900	33500	7500	11000	27
	K35X42X20	35	42	20	28500	44500	7500	11000	41
37	K35X42X30	35	42	30	39500	68000	7500	11000	62
	K37X42X27	37	42	27	32500	67500	7500	11000	41
38	K37X44X18	37	44	18	26300	41000	7500	11000	42
	K38X43X27	38	43	27	32000	67500	7500	11000	43
38	K38X46X20	38	46	20	34000	52000	7500	11000	46
	K38X46X32	38	46	32	54000	95500	7500	11000	73

Radial Needle Roller and Cage Assemblies

K Series

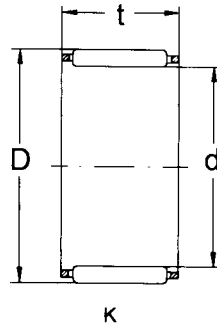


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Ball / Roller Bearing

Shaft Diameter (mm)	Bearing Number	Dimensions(mm)			Basic Load Ratings(N)		Limiting Speeds(rpm)		Weight (g)
		d	D	t	Dynamic	Static	Grease	Oil	
40	K40X45X17	40	45	17	21800	41500	6500	10000	27
	K40X45X21	40	45	21	26700	54000	6500	10000	37
	K40X45X27	40	45	27	33500	72500	6500	10000	44
	K40X46X17	40	46	17	24600	43000	6500	10000	30
	K40X47X20	40	47	20	31000	51500	6500	10000	48
	K40X48X20	40	48	20	33000	51000	6500	10000	52
K40X48X25	40	48	25	42500	71000	6500	10000	65	
42	K42X47X27	42	47	27	34000	75500	6500	9500	47
	K42X48X17	42	48	17	25700	46000	6500	9500	36
	K42X50X20	42	50	20	34000	53500	6500	9500	54
43	K43X48X17	43	48	17	22000	43000	6500	9500	29
	K43X48X27	43	48	27	34000	75500	6500	9500	46
	K43X50X18	43	50	18	29100	49000	6500	9500	49
45	K45X50X27	45	50	27	34500	78000	6000	9000	50
	K45X52X18	45	52	18	29700	51000	6000	9000	51
	K45X52X21	45	52	21	32000	56500	6000	9000	61
	K45X53X20	45	53	20	36000	59000	6000	9000	62
	K45X53X25	45	53	25	46500	82000	6000	9000	77
K45X53X28	45	53	28	49500	90000	6000	9000	78	
47	K47X52X27	47	52	27	35500	83000	5500	8500	51
48	K48X54X19	48	54	19	31000	61000	5500	8500	44
50	K50X55X20	55	55	20	27900	62000	5500	8000	42
	K50X55X27	50	55	27	37000	88500	5500	8000	53
	K50X55X30	50	55	30	39500	97000	5500	8000	59
	K50X57X18	50	57	18	31500	57000	5500	8000	53
	K50X58X20	50	58	20	38500	67500	5500	8000	65
	K50X58X25	50	58	25	48500	90000	5500	8000	81
55	K55X60X20	55	60	20	28800	66500	5000	7500	45
	K55X60X30	55	60	30	42000	108000	5000	7500	69
	K55X61X20	55	61	20	33000	69500	5000	7500	54
	K55X61X30	55	61	30	48000	113000	5000	7500	81
	K55X62X18	55	62	18	33500	63000	5000	7500	54
	K55X63X20	55	63	20	39000	70000	5000	7500	73
	K55X63X25	55	63	25	50500	97500	5000	7500	88
	K55X63X30	55	63	30	61000	125000	5000	7500	117
58	K58X64X19	58	64	19	34000	73500	4700	7000	52
60	K60X65X20	60	65	20	29800	71500	4300	6500	51
	K60X65X30	60	65	30	43500	116000	4300	6500	71
	K60X66X20	60	66	20	33500	73500	4300	6500	56
	K60X66X30	60	66	30	49000	119000	4300	6500	84
	K60X68X20	60	68	20	40000	75000	4300	6500	77
	K60X68X23	60	68	23	44500	85000	4300	6500	92
	K60X68X25	60	68	25	52000	105000	4300	6500	97
61	K61X66X20	61	66	20	29700	71500	4300	6500	54
	K61X66X30	61	66	30	43500	116000	4300	6500	73
65	K65X70X20	65	70	20	30500	75000	4000	6000	55
	K65X70X30	65	70	30	45000	124000	4000	6000	83
	K65X73X23	65	73	23	47000	94000	4000	6000	100
	K65X73X30	65	73	30	61000	132000	4000	6000	126
68	K68X74X20	68	74	20	36000	83500	4000	6000	65
	K68X74X30	68	74	30	51500	133000	4000	6000	97
	K68X75X21	68	75	21	45500	101000	4000	6000	77

K Series



Radial Needle Roller and Cage Assemblies

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Ball / Roller Bearing

Shaft Diameter (mm)	Bearing Number	Dimensions(mm)			Basic Load Ratings(N)		Limiting Speeds(rpm)		Weight (g)
		d	D	t	Dynamic	Static	Grease	Oil	
70	K70X76X20	70	76	20	36500	86000	3700	5500	70
	K70X76X30	70	76	30	53000	139000	3700	5500	100
	K70X77X21	70	77	21	45000	101000	3700	5500	80
	K70X78X23	70	78	23	49500	103000	3700	5500	107
	K70X78X30	70	78	30	65500	149000	3700	5500	136
75	K75X81X20	75	81	20	40500	100000	3700	5500	64
	K75X81X30	75	81	30	56000	152000	3700	5500	108
	K75X82X21	75	82	21	46000	106000	3700	5500	88
	K75X83X23	75	83	23	50500	109000	3700	5500	113
	K75X83X30	75	83	30	67500	157000	3700	5500	147
80	K80X86X20	80	86	20	39000	98000	3300	5000	77
	K80X86X30	80	86	30	57000	159000	3300	5000	110
	K80X88X20	80	88	20	53000	118000	3300	5000	125
	K80X88X26	80	88	26	61000	142000	3300	5000	131
	K80X88X30	80	88	30	69000	166000	3300	5000	151
82	K82X89X20	82	89	20	55000	12000	3300	5000	130
85	K85X92X20	85	92	20	47500	115000	3100	4700	83
	K85X92X30	85	92	30	66000	176000	3100	4700	142
	K85X93X27	85	93	27	64000	153000	3100	4700	145
	K85X93X30	85	93	30	71000	175000	3100	4700	160
84	K84X92X20	84	92	20	55000	12000	3300	5000	126
90	K90X97X20	90	97	20	46000	113000	2900	4400	103
	K90X97X30	90	97	30	67800	184000	2900	4400	151
	K90X98X26	90	98	26	64000	157000	2900	4400	148
	K90X98X27	90	98	27	64000	157000	2900	4400	150
	K90X98X30	90	98	30	72500	184000	2900	4400	172
95	K95X102X20	95	102	20	48000	122000	2800	4200	115
	K95X102X30	95	102	30	70500	199000	2800	4200	172
	K95X103X27	95	103	27	65500	165000	2800	4200	159
	K95X103X30	95	103	30	74000	193000	2800	4200	165
99	K99X107X20	99	107	20	74000	20000	2700	4000	112
100	K100X107X21	100	107	21	49000	127000	2700	4000	120
	K100X107X31	100	107	31	71500	207000	2700	4000	173
	K100X108X27	100	108	27	6100	153000	2700	4000	176
	K100X108X30	100	108	30	7600	201000	2700	4000	198
101	K101X109X20	101	109	20	77000	22000	2700	4000	182