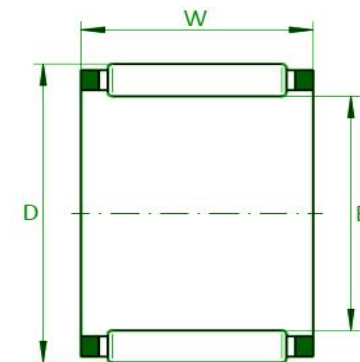




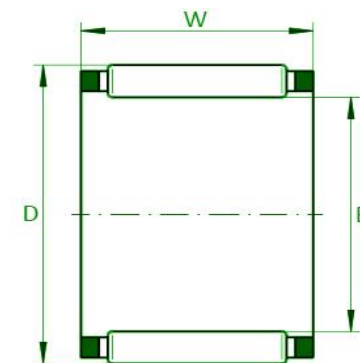
Needle Roller Cage Assemblies



Part Number	Dimensions (mm)			Load Rating (Kn)		Limiting Speed (rpm)		Weight (g)
	Bore (B)	Outer (D)	Width (W)	Dynamic	Static	Grease	Oil	
K3X5X7TV	3	5	7	1.53	1.28	45600	70300	0.0002
K3X5X9TV	3	5	9	1.67	1.46	45600	70300	0.0004
K3X6X7TV	3	6	7	1.41	0.97	44700	71300	0.0004
K4X7X7TV	4	7	7	1.79	1.30	32300	49400	0.0010
K4X7X10TV	4	7	10	2.26	1.80	40400	56100	0.0007
K5X8X8TV	5	8	8	2.12	1.67	29500	44700	0.0005
K5X8X10TV	5	8	10	2.94	2.55	29500	44700	0.0008
K6X9X8TV	6	9	8	2.40	2.02	27600	41800	0.0008
K6X9X10TV	6	9	10	2.97	2.65	27600	41800	0.0010
K6X10X13TV	6	10	13	3.70	3.00	33700	38000	0.0019
K7X9X7TV	7	9	7	1.65	1.67	33700	38500	0.0006
K7X10X8TV	7	10	8	2.65	2.37	26600	39900	0.0010
K7X10X10TV	7	10	10	3.28	3.11	26600	39900	0.0010
K8X11X8TV	8	11	8	2.27	2.00	24700	39000	0.0010
K8X11X10TV	8	11	10	4.39	4.70	24700	39000	0.0020
K8X11X13TV	8	11	13	4.97	5.51	24700	39000	0.0020
K8X12X8TV	8	12	8	3.63	3.04	22000	34000	0.0017
K8X12X10TV	8	12	10	4.92	4.72	21000	30000	0.0020
K9X12X10TV	9	12	10	4.11	4.42	24700	38000	0.0030
K9X12X13	9	12	13	5.34	6.20	24700	38000	0.0020
K10X13X13TV	10	13	13	4.13	4.58	23800	37100	0.0020
K10X13X16	10	13	16	7.11	9.21	23800	37100	0.0030
K10X14X10TV	10	14	10	5.86	6.03	19000	29500	0.0030
K10X14X13TV	10	14	13	7.40	8.45	19000	29500	0.0060



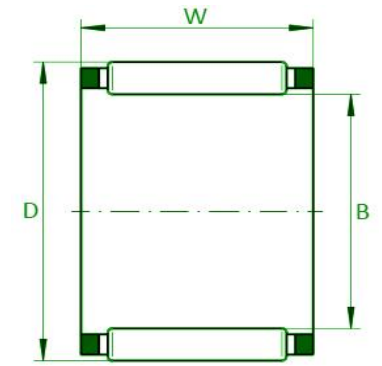
Needle Roller Cage Assemblies



Part Number	Dimensions (mm)			Load Rating (Kn)		Limiting Speed (rpm)		Weight (g)
	Bore (B)	Outer (D)	Width (W)	Dynamic	Static	Grease	Oil	
K10X16X12TV	10	16	12	7.18	6.13	14300	22800	0.0060
K12X15X10TV	12	15	10	5.61	7.18	22800	35200	0.0030
K12X15X13TV	12	15	13	6.49	8.63	22800	35200	0.0040
K12X16X13TV	12	16	13	7.17	8.13	18100	28500	0.0060
K12X17X13TV	12	17	13	8.53	8.88	15200	23800	0.0080
K12X18X12TV	12	18	12	9.32	8.98	13300	20900	0.0090
K14X18X10	14	18	10	6.86	8.04	18100	27600	0.0070
K14X18X13	14	18	13	9.29	11.93	18100	27600	0.0060
K14X18X15	14	18	15	10.03	13.16	18100	27600	0.0070
K14X18X17	14	18	17	11.83	16.30	18100	27600	0.0080
K14X20X12	14	20	12	10.03	10.12	13300	20000	0.0090
K15X18X17TV	15	18	17	7.73	11.55	21900	34200	0.0050
K15X19X10	15	19	10	7.53	9.26	17100	26600	0.0050
K15X19X13	15	19	13	9.23	12.02	17100	26600	0.0070
K15X19X17	15	19	17	11.74	16.39	17100	26600	0.0090
K15X20X13	15	20	13	9.48	10.79	15200	22800	0.0080
K15X21X15	15	21	15	12.80	14.10	13300	20000	0.0130
K15X21X21	15	21	21	17.20	20.70	13300	20000	0.0180
K16X20X10	16	20	10	7.50	9.30	17100	26600	0.0060
K16X20X13	16	20	13	9.60	12.90	17100	26600	0.0070
K16X20X17	16	20	17	12.30	17.60	17100	26600	0.0080
K16X22X12	16	22	12	11.25	12.50	18100	27600	0.0060
K16X22X16	16	22	16	14.20	16.40	18100	27600	0.0140
K16X22X20	16	22	20	17.70	21.80	18100	27600	0.0170



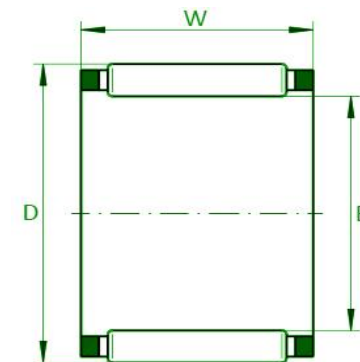
Needle Roller Cage Assemblies



Part Number	Dimensions (mm)			Load Rating (Kn)		Limiting Speed (rpm)		Weight (g)
	Bore (B)	Outer (D)	Width (W)	Dynamic	Static	Grease	Oil	
K16X24X20	16	24	20	19.20	20.40	19000	28500	0.0250
K17X21X10	17	21	10	7.80	9.90	16200	24700	0.0060
K17X21X13	17	21	13	10.00	13.80	16200	24700	0.0080
K17X21X17	17	21	17	12.80	18.90	16200	24700	0.0110
K18X22X10	18	22	10	8.00	10.60	15200	22800	0.0060
K18X22X13	18	22	13	10.30	14.70	15200	22800	0.0080
K18X22X17	18	22	17	12.70	19.00	15200	22800	0.0090
K18X24X12	18	24	12	11.30	12.50	16200	23800	0.0110
K18X24X13	18	24	13	12.50	14.60	16200	23800	0.0130
K18X24X20	18	24	20	18.50	23.70	16200	23800	0.0190
K18X25X22	18	25	22	22.20	27.20	15100	23500	0.0250
K19X23X13	19	23	13	10.30	14.80	14300	21900	0.0080
K19X23X17	19	23	17	12.80	19.60	14300	21900	0.0110
K20X24X10	20	24	10	8.60	11.90	14300	21400	0.0060
K20X24X13	20	24	13	11.40	16.80	14300	21400	0.0090
K20X24X17	20	24	17	14.10	23.10	14300	21400	0.0110
K20X25X20	20	25	20	15.50	25.90	14300	21400	0.0060
K20X26X12	20	26	12	12.40	14.60	14200	21000	0.0120
K20X26X13	20	26	13	12.80	15.20	14200	21000	0.0140
K20X26X17	20	26	17	18.40	24.30	14200	21000	0.0170
K20X28X16	20	28	16	18.90	21.30	14200	21000	0.0200
K20X28X20	20	28	20	23.40	28.50	14200	21000	0.0060
K20X28X25	20	28	25	28.30	35.20	14200	21000	0.0360
K20X30X30	20	30	30	37.00	43.60	14000	20600	0.0550



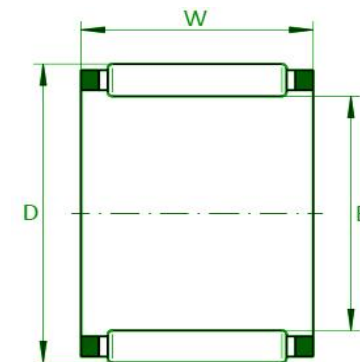
Needle Roller Cage Assemblies



Part Number	Dimensions (mm)			Load Rating (Kn)		Limiting Speed (rpm)		Weight (g)
	Bore (B)	Outer (D)	Width (W)	Dynamic	Static	Grease	Oil	
K21X25X13	21	25	13	9.60	14.40	13900	21000	0.0090
K22X26X10	22	26	10	9.40	13.80	12400	19000	0.0070
K22X26X13	22	26	13	11.30	17.40	12400	19000	0.0120
K22X26X17	22	26	17	13.50	22.70	12400	19000	0.0120
K22X28X17	22	28	17	17.30	23.00	12400	19000	0.0200
K22X29X16	22	29	16	19.10	24.30	10800	18200	0.0160
K22X32X24	22	32	24	31.50	36.10	13300	20900	0.0460
K24X28X10	24	28	10	9.20	13.90	11400	17100	0.0270
K24X28X13	24	28	13	11.90	19.20	11400	17100	0.0100
K24X28X17	24	28	17	14.70	25.10	11400	17100	0.0130
K24X30X17	24	30	17	18.90	26.40	11400	18100	0.0200
K25X29X10	25	29	10	9.20	13.90	10500	16200	0.0080
K25X29X13	25	29	13	12.20	20.10	10500	16200	0.0100
K25X29X17	25	29	17	14.40	24.90	10500	16200	0.0160
K25X30X13	25	30	13	13.90	20.40	10500	16200	0.0120
K25X30X17	25	30	17	17.90	28.40	10500	16200	0.0160
K25X30X20	25	30	20	20.90	34.30	10500	16200	0.0190
K25X31X17	25	31	17	18.80	26.50	11400	17100	0.0200
K25X31X21	25	31	21	23.90	36.20	11400	17100	0.0260
K25X32X16	25	32	16	18.90	24.10	11400	17100	0.0270
K25X33X20	25	33	20	27.40	35.80	11400	17100	0.0350
K25X33X24	25	33	24	30.70	41.30	11400	17100	0.0380
K25X35X30	25	35	30	45.80	62.00	8300	15500	0.0650
K26X30X13	26	30	13	11.70	19.40	9500	15200	0.0110



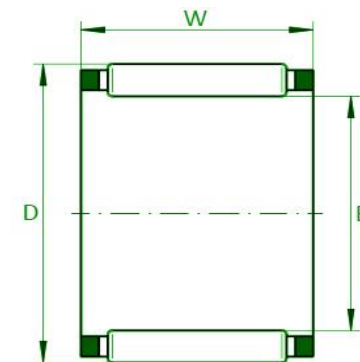
Needle Roller Cage Assemblies



Part Number	Dimensions (mm)			Load Rating (Kn)		Limiting Speed (rpm)		Weight (g)
	Bore (B)	Outer (D)	Width (W)	Dynamic	Static	Grease	Oil	
K26X30X17	26	30	17	14.30	25.00	9500	15200	0.0140
K28X33X13	28	33	13	13.40	20.40	9500	14300	0.0150
K28X33X17	28	33	17	18.90	31.40	9500	14300	0.0180
K28X33X27	28	33	27	27.00	52.00	9500	14300	0.0210
K28X34X17	28	34	17	20.10	30.00	9500	15200	0.0220
K28X35X16	28	35	16	20.50	27.70	9500	15200	0.0260
K28X35X18	28	35	18	22.90	32.40	9500	15200	0.0270
K28X40X25	28	40	25	43.30	51.40	9300	15100	0.0720
K30X34X13	30	34	13	12.90	22.90	8700	13300	0.0110
K30X35X13	30	35	13	15.40	25.50	8800	13300	0.0140
K30X35X17	30	35	17	19.20	32.90	8800	13300	0.0220
K30X35X27	30	35	27	30.50	59.00	8800	13300	0.0300
K30X37X16	30	37	16	22.00	31.90	9100	14300	0.0270
K30X37X18	30	37	18	23.10	33.10	9100	14300	0.0330
K30X40X18	30	40	18	30.50	38.10	8500	13300	0.0480
K30X40X20	30	40	20	32.10	38.90	8500	13300	0.0730
K30X42X30	30	42	30	39.00	48.80	8100	12000	0.0750
K32X37X13	32	37	13	14.50	23.20	8300	12400	0.0180
K32X37X17	32	37	17	19.10	33.10	8300	12400	0.0200
K32X37X27	32	37	27	27.90	54.00	8300	12400	0.0350
K32X38X20	32	38	20	26.00	43.50	8400	13300	0.0300
K32X39X16	32	39	16	21.90	31.40	8500	13300	0.0300
K32X39X18	32	39	18	24.60	36.30	8500	13300	0.0330
K32X40X25	32	40	25	36.10	54.40	8600	13300	0.0520



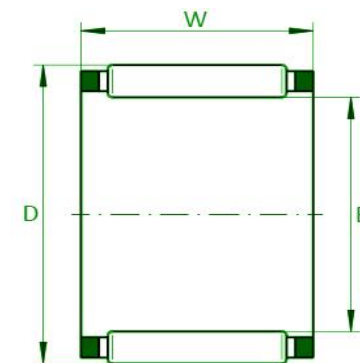
Needle Roller Cage Assemblies



Part Number	Dimensions (mm)			Load Rating (Kn)		Limiting Speed (rpm)		Weight (g)
	Bore (B)	Outer (D)	Width (W)	Dynamic	Static	Grease	Oil	
K35X40X13	35	40	13	15.40	25.90	7500	11400	0.0180
K35X40X17	35	40	17	21.00	38.80	7500	11400	0.0250
K35X40X25	35	40	25	27.00	53.40	7500	11400	0.0350
K35X40X27TV	35	40	27	28.40	56.70	7500	11400	0.0370
K35X42X16	35	42	16	23.90	37.50	7700	11400	0.0340
K35X42X18	35	42	18	26.20	40.50	7700	11400	0.0350
K35X42X20	35	42	20	29.60	49.50	7700	11400	0.0370
K35X42X30	35	42	30	38.50	46.10	7700	11400	0.0370
K35X45X20	35	45	20	38.50	66.60	7700	11400	0.0610
K35X45X30	35	45	30	51.50	79.50	7700	11400	0.0800
K37X42X17	37	42	17	20.90	39.00	7100	10500	0.0250
K38X43X17	38	43	17	20.80	39.00	6900	10500	0.0320
K38X43X27	38	43	27	30.40	63.70	6900	10500	0.0410
K38X46X20	38	46	20	31.70	48.50	7100	11400	0.0550
K38X46X32	38	46	32	52.30	94.10	7100	11400	0.0760
K40X45X13	40	45	13	16.80	30.20	6600	10500	0.0220
K40X45X17	40	45	17	20.40	39.50	6600	10500	0.0310
K40X45X27	40	45	27	31.10	66.70	6600	10500	0.0400
K40X47X18	40	47	18	26.70	43.40	6700	10500	0.0410
K40X47X20	40	47	20	29.60	49.50	6700	10500	0.0420
K40X48X20	40	48	20	33.80	53.50	6700	10500	0.0500
K42X47X13	42	47	13	17.80	33.20	6200	9500	0.0270
K42X47X17	42	47	17	21.70	43.00	6200	9500	0.0280
K42X50X20	42	50	20	34.30	57.00	6000	9400	0.0530



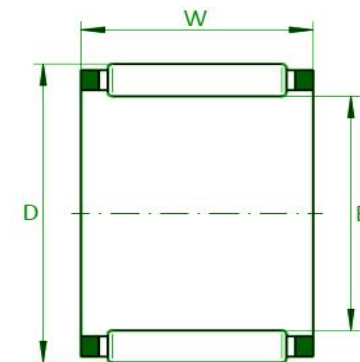
Needle Roller Cage Assemblies



Part Number	Dimensions (mm)			Load Rating (Kn)		Limiting Speed (rpm)		Weight (g)
	Bore (B)	Outer (D)	Width (W)	Dynamic	Static	Grease	Oil	
K43X48X17	43	48	17	21.90	43.60	6100	9300	0.0360
K43X48X27	43	48	27	33.10	74.20	6100	9300	0.0500
K45X50X17	45	50	17	23.70	49.30	5800	8900	0.0300
K45X50X27	45	50	27	32.50	73.60	5800	8900	0.0430
K45X52X18	45	52	18	30.50	54.50	5700	8700	0.0420
K45X53X20	45	53	20	38.90	46.50	5500	8600	0.0550
K45X53X21	45	53	21	42.00	61.00	5500	8600	0.0600
K45X53X28	45	53	28	46.90	90.50	5500	8600	0.0810
K45X59X32	45	59	32	69.40	97.90	5000	8900	0.1480
K47X52X17	47	52	17	23.00	47.90	5500	8500	0.0320
K47X52X27	47	52	27	34.80	81.70	5500	8500	0.0450
K50X55X13.5	50	55	13.5	17.30	34.70	5100	8000	0.0300
K50X55X17	50	55	17	24.30	52.30	5100	8000	0.0320
K50X55X20	50	55	20	28.70	65.10	5100	8000	0.0380
K50X55X30	50	55	30	38.60	94.60	5100	8000	0.0650
K50X57X18	50	57	18	29.80	53.60	5200	8100	0.0500
K50X58X20	50	58	20	37.10	64.90	5300	8200	0.0750
K50X58X25	50	58	25	44.20	81.40	5300	8200	0.0810
K52X57X12	52	57	12	17.50	34.90	4900	7600	0.0350
K55X60X20	55	60	20	29.20	68.80	4700	7200	0.0420
K55X60X27	55	60	27	38.10	97.00	4700	7200	0.0550
K55X60X30	55	60	30	40.80	106.00	4700	7200	0.0710
K55X62X18	55	62	18	31.60	59.70	4800	7300	0.0550
K55X63X20	55	63	20	38.30	69.90	4800	7400	0.0720



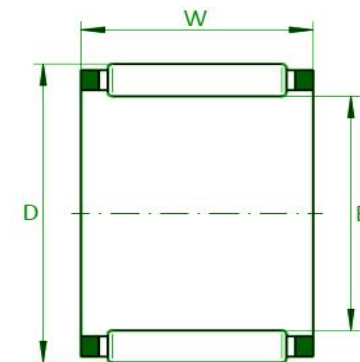
Needle Roller Cage Assemblies



Part Number	Dimensions (mm)			Load Rating (Kn)		Limiting Speed (rpm)		Weight (g)
	Bore (B)	Outer (D)	Width (W)	Dynamic	Static	Grease	Oil	
K55X63X25	55	63	25	47.40	91.70	4800	7400	0.0800
K55X63X32	55	63	32	59.20	122.60	4800	7400	0.1080
K58X65X18	58	65	18	32.60	63.80	4500	6900	0.0580
K60X65X20	60	65	20	30.40	74.20	4300	6600	0.0460
K60X65X30	60	65	30	40.80	108.40	4300	6600	0.0700
K60X68X20	60	68	20	39.80	75.30	4400	6700	0.0660
K60X68X23	60	68	23	46.60	92.40	4400	6700	0.0890
K60X68X25	60	68	25	49.10	98.90	4400	6700	0.0910
K65X70X20	65	70	20	27.20	65.80	3900	6100	0.0500
K65X70X30	65	70	30	42.20	116.90	3900	6100	0.0750
K65X73X23	65	73	23	45.80	92.90	4000	6200	0.0910
K65X73X30	65	73	30	57.10	122.60	4000	6200	0.1160
K68X74X20	68	74	20	35.70	83.70	3800	5800	0.0620
K68X74X30	68	74	30	45.30	113.10	3800	5800	0.0980
K70X76X20	70	76	20	34.30	80.50	3700	5600	0.0650
K70X76X30	70	76	30	49.10	127.40	3700	5600	0.0970
K70X78X30	70	78	30	59.10	132.10	3700	4800	0.1400
K72X80X20	72	80	20	42.20	86.20	3600	5500	0.0840
K73X79X20	73	79	20	35.20	84.30	3500	5400	0.0680
K75X81X20	75	81	20	35.60	86.20	3400	5200	0.0750
K75X81X30	75	81	30	49.50	135.90	3400	5200	0.1140
K75X83X23	75	83	23	47.60	103.60	3400	5300	0.1240
K75X83X30	75	83	30	57.90	131.20	3400	5300	0.1410
K80X86X20	80	86	20	36.70	91.90	3400	4900	0.0720



Needle Roller Cage Assemblies



Part Number	Dimensions (mm)			Load Rating (Kn)		Limiting Speed (rpm)		Weight (g)
	Bore (B)	Outer (D)	Width (W)	Dynamic	Static	Grease	Oil	
K80X88X30	80	88	30	64.20	153.00	3200	4900	0.1340
K85X92X20	85	92	20	38.00	87.20	3000	4700	0.0850
K90X97X20	90	97	20	44.00	108.40	2900	4400	0.0950
K90X98X27	90	98	27	58.00	142.60	2900	4400	0.1500
K90X98X30	90	98	30	60.50	147.30	2900	4400	0.1680
K95X103X30	95	103	30	67.50	173.90	2700	4200	0.1800
K100X107X21	100	107	21	45.70	120.70	2900	4500	0.1200
K100X108X27	100	108	27	54.20	135.90	3000	4500	0.1850
K100X108X30	100	108	30	68.80	181.50	2600	4000	0.2100
K105X112X21	105	112	21	45.20	120.70	2900	4300	0.1290
K110X117X24	110	117	24	53.30	150.20	2700	4100	0.1720
K110X118X30	110	118	30	71.60	196.70	2300	3600	0.2000
K115X123X27	115	123	27	59.90	161.60	2700	3900	0.2000
K120X127X24	120	127	24	56.10	165.40	2500	3800	0.1650
K125X133X35	125	133	35	81.80	247.10	2500	3600	0.2750
K130X137X24	130	137	24	58.00	176.80	2400	3500	0.1700
SUFFIX GUIDE - TV = Polyamide Cage								