



針狀軸承

Needle Roller Bearings

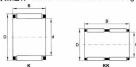
單向軸承

Drawn Cup Roller Clutches



向心滾針和保持架組件 Radial Needle Roller and Cage Assemblies

K, KK 系列



軸徑 Bore Diameter	軸承型號 Bearing Designation	重量 Mass (g)	外徑尺寸 Boundary Dimensions			基本額定負荷 Basic Load Rating		極限轉速 Limiting Speed (油潤滑)(2)
			d	D	B	動態負荷 C ₁₀ (N)	靜態負荷 C ₀ (N)	
5	KK5x5TH	0.7	5	8	8	2100	1800	33000
	KK5x5BTN	0.8	5	8	10	2700	2400	33000
6	KK6x6TH	0.8	6	9	8	2500	2100	32000
	KK6x6BTN	1	6	9	10	3200	2800	32000
7	KK7x7TH	1.3	6	10	13	3500	2800	31000
	KK7x7BTN	0.9	7	10	8	2800	2400	29000
8	KK8x8TH	1.1	7	10	10	3300	3000	29000
	KK8x8BTN	1.3	8	11	10	3800	3700	27000
9	KK9x9TH	1.7	8	11	13	4500	5200	27000
	KK9x9BTN	1.5	8	12	10	4500	4500	27000
10	KK10x10TH	1.5	9	12	10	4100	4500	26000
	KK10x10BTN	1.9	9	12	13	5300	5400	26000
10	K10x13a10TH	1.8	10	13	10	4800	4900	25000
	K10x13a13TH	2.1	10	13	13	5800	5900	23000
	K10x14a10TH	2.2	10	14	10	5500	5500	25000
	K10x14a13TH	2.9	10	14	13	6800	7500	25000
	K10x16a12TH	4.3	10	16	12	7300	8400	24000
12	K12x15a10TH	1.9	12	15	10	4500	5000	23000
	K12x15a13TH	2.4	12	15	13	5800	7700	23000
	K12x16a13TH	3.4	12	16	13	7200	8500	23000
	K12x17a13TH	4.4	12	17	13	8500	9400	23000
	K12x18a13TH	5	12	18	13	9500	8900	23000
14	K14x18a10	4.8	14	18	10	6400	7700	21000
	K14x18a13	6.3	14	18	13	7800	9100	21000
	K14x18a16	7.3	14	18	16	8800	12500	21000
	K14x18a17	8.1	14	18	17	9500	13000	21000
	K14x20a13	8.6	14	20	13	9400	8900	20000
15	K15x19a10	5.1	15	19	10	6800	8000	20000
	K15x19a13	7	15	19	13	7700	8900	20000
	K15x19a17	8.8	15	19	17	10200	14000	20000
	K15x20a13	8.9	15	20	13	8900	12700	20000
	K15x21a16	13	15	21	16	12900	14800	20000
16	K16x21a21	18.2	15	21	21	17500	21000	20000
	K16x20a10	5.8	16	20	10	7600	8900	20000
	K16x20a13	7.2	16	20	13	8900	10800	20000
K16x20a17	9.2	16	20	17	10800	14100	20000	



軸徑 Bore Diameter	軸承型號 Bearing Designation	重量 Mass	外圈尺寸 Boundary Dimensions			基本額定動負荷 Basic Load Rating		極限轉速 Limiting Speed
			d	D	B	點負荷 C _{10(P)}	線負荷 C _{10(F)}	
16	K16x22x12	10.0	16	22	12	16400	11300	18000
	K16x22x13	12	16	22	13	11700	12500	18000
	K16x22x16	13.0	16	22	16	13400	15500	18000
	K16x22x20	18.0	16	22	20	18500	21000	18000
	K16x22x20	20	16	24	20	18300	21200	18000
17	K17x21x10	8.0	17	21	10	7300	8900	18000
	K17x21x13	7.5	17	21	13	8400	12000	18000
	K17x21x17	9.0	17	21	17	11000	16100	18000
18	K18x22x10	8.1	18	22	10	7100	10200	18000
	K18x22x13	7.7	18	22	13	8300	11400	18000
	K18x22x17	10.0	18	22	17	10900	16200	18000
	K18x22x12	11.8	18	24	12	10900	13300	18000
	K18x24x13	12.0	18	24	13	11000	13800	18000
	K18x24x20	19	18	24	20	18000	20300	18000
	K18x25x22	24.3	18	25	22	20900	25000	18000
19	K19x23x13	8.2	19	23	13	8600	12600	18000
	K19x23x17	11.2	19	23	17	11300	17200	18000
	K19x24x10	8.0	20	24	10	8100	11400	18000
20	K20x24x13	8.9	20	24	13	8900	12900	18000
	K20x24x17	11.2	20	24	17	11600	16400	18000
	K20x25x12	13.2	22	25	12	12100	14600	18000
	K20x25x13	14.3	20	25	13	13000	16100	18000
	K20x25x17	18.2	20	25	17	17600	23400	18000
	K20x26x20	22	20	26	20	19000	26000	18000
	K20x26x26	28.6	20	26	20	21500	29700	17000
	K20x28x23	38.3	20	28	23	27300	35000	17000
	K20x28x30	58	20	30	30	33000	37800	17000
	21	K21x23x13	9	21	23	13	9100	13000
K21x23x17		12	21	23	17	12000	18400	18000
22	K22x26x10	8	22	26	10	8200	12900	18000
	K22x26x13	10	22	26	13	9300	14300	18000
	K22x26x17	12	22	26	17	12000	20500	18000
	K22x28x17	20	22	28	17	17500	25000	18000
	K22x28x16	22	22	29	16	18000	23000	17000
	K22x28x16TM	14.4	22	30	16	18400	21100	17000
24	K24x28x10	8.1	24	28	10	74000	12000	17000



軸徑 Bore Diameter	軸承型號 Bearing Designation	重量 Mass (g)	外形尺寸 Boundary Dimensions			基本額定負荷 Basic Load Rating		極限轉速 Limiting Speed (rpm)
			d	D	B	動負荷 C _r (N)	靜負荷 C _{0r} (N)	
24	K24x28x13	13.1	24	28	13	9800	10200	17000
	K24x28x17	13.2	24	28	17	13700	21200	17000
25	K25x28x18	8.5	25	29	18	5900	12100	15000
	K25x28x13	10.4	25	29	13	10300	15700	15000
	K25x28x17	13.7	25	29	17	15400	23100	15000
	K25x30x20	20.8	25	30	20	19000	34000	15000
	K25x31x17	21.8	25	31	17	17300	24000	15000
	K25x31x21	28.2	25	31	21	22300	35000	15000
	K25x32x18	24.5	25	32	18	19800	34000	14500
	K25x33x20	32	25	33	20	25700	39000	14000
26	K26x32x24	38.7	26	32	24	31900	49000	13000
	K26x33x20	35.6	26	33	20	43800	53000	14000
28	K28x30x18	9	28	30	18	9100	15700	15000
	K28x30x13	11.4	28	30	13	10800	16300	15000
	K28x30x17	15	28	30	17	13700	19800	15000
28	K28x33x13	15.2	28	33	13	13800	20800	14000
	K28x33x17	18.5	28	33	17	17700	26800	14000
	K28x33x27 FN	18	28	33	27	21800	35000	14000
	K28x34x17	24.2	28	34	17	19800	29000	14000
	K28x35x18	29	28	35	18	19400	29100	14000
	K28x35x16	51	28	35	16	20400	29000	14000
30	K30x34x13	14.6	30	34	13	10300	18800	13000
	K30x35x13	16.3	30	35	13	14000	21700	13000
	K30x35x17	21.3	30	35	17	16700	26000	13000
	K30x35x27	33.3	30	35	27	23800	39000	13000
	K30x37x16	26.4	30	37	16	19800	29000	13000
	K30x37x18	34	30	37	18	27100	37700	13000
32	K32x40x20	78	32	40	20	41700	60000	13000
	K32x37x13	18.3	32	37	13	13200	21700	12000
	K32x37x17	22.4	32	37	17	17000	26200	12000
	K32x37x27	36.7	32	37	27	26600	41800	12000
	K32x38x20	51	32	38	20	27800	39000	12000
	K32x38x18	36.7	32	38	18	20300	30200	12000
	K32x40x25	54	32	40	25	31900	49000	12000
	KR.32x40x20	73	32	40	20	51900	69000	13000
KR.32x40x27 FN	77.1	32	40	27	45800	70000	13000	

尺寸單位: mm



軸徑 Shaft Diameter	軸承型號 Bearing Designation	重量 Mass	外圈尺寸 Boundary Dimensions			基本額定動負荷 Basic Load Rating		極限轉速 Limiting Speed
			d	D	B	點負荷 C _{10(P)}	當量負荷 C _{10(PV)}	
38	K38x48x13	18.8	38	48	13	13800	20100	12000
	K38x48x17	25.3	38	48	17	16700	23800	12000
	K38x48x27FH	33.4	38	48	27	22900	44000	11100
	K38x48x16	34	38	42	16	21800	35000	11100
	K38x48x18	38.2	38	42	18	24000	38000	11100
37	K38x42x20	52.4	38	42	20	36000	63000	11100
	K37x42x17	25.6	37	42	17	17100	26000	12000
36	K36x46x17	26.1	36	46	17	14800	24000	10800
	K36x46x20	48	36	46	20	18000	30000	10800
	K36x46x22	72.7	36	46	22	48000	80000	10800
40	K40x50x17	27.4	40	50	17	16000	26000	10800
	K40x50x27	48	40	48	27	30000	67000	10800
	K40x48x17	30	40	48	17	22000	41000	9800
	K40x47x16	45.2	40	47	16	25000	40000	9800
	K40x48x20	57.7	40	48	20	32000	50000	9800
42	K40x45x28	41	40	45	28	31000	52000	9800
	K42x47x13	20.8	42	47	13	16000	27000	9800
	K42x47x17	31.2	42	47	17	19000	30000	9800
	K42x47x27	48.6	42	47	27	34000	60000	9800
	K42x49x20	54	42	50	20	32000	50000	9800
43	K43x48x17	28.3	43	48	17	20000	34000	9800
	K43x48x27	48.7	43	48	27	31000	60000	9800
	K43x46x18	48.6	43	50	18	28000	48000	9800
	K43x46x17	28.5	43	46	17	21000	37000	9800
46	K46x56x17	28.6	46	56	17	21000	42000	9800
	K46x56x27	50	46	56	27	34000	72000	9800
	K46x52x16	51	46	52	16	30000	51000	9800
	K46x52x20	62.2	46	52	20	35000	60000	9800
47	K46x52x28	78	46	52	28	48000	80000	9800
	K47x52x17	32	47	52	17	21000	40000	9800
50	K47x52x27	50.7	47	52	27	34000	70000	9800
	K50x55x20	58.4	50	55	20	34000	54000	9800
	K50x55x30	58.4	50	55	30	35000	60000	9800
	K50x57x16	58.4	50	57	16	31000	56000	9100
	K50x58x20	66	50	58	20	32000	50000	9100
52	K50x58x28	81	50	58	28	38000	73000	9100
	K52x57x13	24	52	57	13	16000	28000	9100

單位: mm



軸徑 D(mm)	軸承型號 Bearing Designation	質量 Mass (g)	外形尺寸 Boundary Dimensions			基本額定負荷 Basic Load Rating		極限轉速 Limiting Speed (rpm)
			d	D	B	動態負荷 C _r (N)	靜態負荷 C _{0r} (N)	
55	K55x55x20	43.4	55	55	20	28000	59000	7700
	K55x55x30	66.6	55	55	30	38000	81000	7700
	K55x55x18	36.5	55	55	18	52000	63000	7700
	K55x55x48	96.5	55	55	48	45000	11000	7700
58	K58x58x20	109	58	58	20	45000	98000	7300
	K58x58x30	161.5	58	58	30	58000	130000	7300
	K58x58x25	129	58	58	25	47000	100000	7300
	K58x58x35	174	58	58	35	45000	110000	7300
60	K60x60x20	71.2	60	60	20	48000	100000	7300
	K60x60x30	109	60	60	30	62000	140000	7300
	K60x60x25	84	60	60	25	55000	120000	7300
	K60x60x35	129	60	60	35	50000	110000	7300
65	K65x65x20	89	65	65	20	58000	130000	6700
	K65x65x30	134	65	65	30	75000	170000	6700
	K65x65x25	100	65	65	25	68000	150000	6700
	K65x65x35	146	65	65	35	62000	140000	6700
68	K68x68x20	95	68	68	20	62000	140000	6300
	K68x68x30	142	68	68	30	80000	180000	6300
	K68x68x25	107	68	68	25	70000	160000	6300
	K68x68x35	154	68	68	35	65000	150000	6300
70	K70x70x20	107	70	70	20	68000	150000	5800
	K70x70x30	156	70	70	30	88000	200000	5800
	K70x70x25	115	70	70	25	78000	180000	5800
	K70x70x35	166	70	70	35	72000	170000	5800
72	K72x72x20	114	72	72	20	72000	160000	5400
	K72x72x30	165	72	72	30	95000	220000	5400
	K72x72x25	124	72	72	25	80000	190000	5400
	K72x72x35	177	72	72	35	75000	180000	5400
75	K75x75x20	123	75	75	20	78000	170000	5000
	K75x75x30	176	75	75	30	105000	240000	5000
	K75x75x25	136	75	75	25	88000	210000	5000
	K75x75x35	190	75	75	35	80000	200000	5000
80	K80x80x20	147	80	80	20	88000	190000	4600
	K80x80x30	203	80	80	30	120000	280000	4600
	K80x80x25	150	80	80	25	100000	230000	4600
	K80x80x35	207	80	80	35	92000	220000	4600
90	K90x90x20	177	90	90	20	100000	230000	4200
	K90x90x30	236	90	90	30	135000	310000	4200
	K90x90x25	186	90	90	25	115000	260000	4200
	K90x90x35	243	90	90	35	105000	250000	4200
100	K100x100x20	209	100	100	20	115000	260000	3800
	K100x100x30	271	100	100	30	155000	360000	3800
	K100x100x25	224	100	100	25	130000	300000	3800
	K100x100x35	283	100	100	35	120000	290000	3800

軸承型號



軸徑 Shaft Diameter	軸承型號 Bearing Designation	重量 Mass	外圈尺寸 Boundary Dimensions			基本額定動負荷 Basic Load Rating		極限轉速 Limiting Speed
			d	D	B	Grease C _g (N)	Oil C _o (N)	
100	K100x100x30	180	100	108	30	90000	100000	4200
105	K105x112x27	123	105	112	27	48000	110000	4800
	K105x112x30	168	105	112	30	60000	170000	4800
110	K110x117x24	148	110	117	24	50000	120000	5800
	K110x118x30	217	110	118	30	62000	160000	5800
115	K115x122x27	208	115	122	27	52000	160000	3700
120	K120x127x24	168	120	127	24	48000	160000	3800
125	K125x132x28	270	125	132	28	70000	230000	3600
130	K130x137x24	178	130	137	24	50000	150000	3400
135	K135x142x28	308	135	142	28	72000	250000	3200
140	K140x152x28	380	140	152	28	80000	210000	3800
	K140x152x30	380	140	152	30	80000	200000	3800
150	K150x160x40	570	150	160	40	120000	420000	2800
155	K155x165x30	280	155	165	30	64000	210000	2800
	K155x165x36	358	155	165	36	80000	210000	2800
160	K160x170x40	580	160	170	40	130000	460000	2700
165	K165x175x28	384	165	175	28	88000	230000	2800
170	K170x180x40	620	170	180	40	130000	520000	2500
175	K175x185x32	560	175	185	32	80000	320000	2500
180	K180x195x37	697	180	195	37	110000	360000	2300
185	K185x205x37	620	185	205	37	110000	360000	2300
210	K210x230x42	740	210	230	42	120000	600000	2000
220	K220x230x42	780	220	230	42	130000	580000	1800
240	K240x250x42	850	240	250	42	140000	580000	1800
260	K260x280x50	1610	260	280	50	200000	750000	1700

註：(1) Grease潤滑油潤滑，允許工作溫度：110°C 連續用 - 150°C 間歇用 - 180°C 短時間。

Note: (1) Grease lubrication: temperature for plastic usage: 110°C (continuous), 150°C (intermittent), 180°C (for a short time).

(2) 對於高轉速，允許值為表內數值的60%。

Allowable rotational speed applies to oil lubrication. For grease lubrication, a maximum of 60% of the value is allowable.