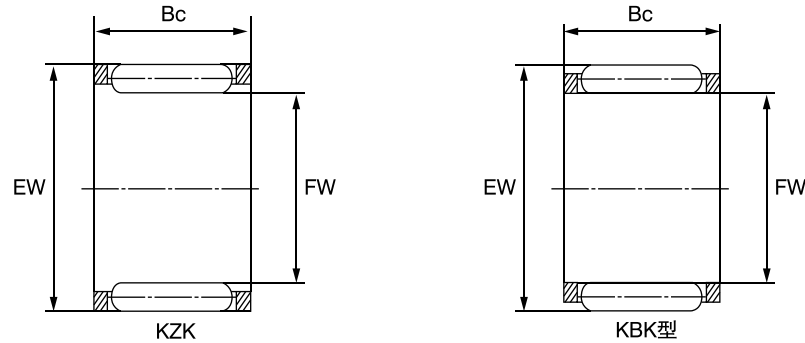


连杆用滚针和保持架组件 Rod-use Needle Roller and Cage Assemblies For

- ⊙ 连杆用滚针和保持架组件主要用于发电机、压缩机和其他曲柄连杆机构。
- ⊙ 连杆用滚针和保持架组件的代号由字母和数字两部分组成，字母KZK表示曲销用组件；KBK表示活塞销用组件。
- ⊙ KZK曲柄销用滚针和保持架组件，采用M型保持架，性能可靠。应特殊要求，保持架表面可进行镀银、镀铜处理。
- ⊙ KBK活塞销用滚针和保持架组件不像曲柄销那样外引，而是在活塞销上内引导，因此就可以加大滚针长度。
- ⊙ The rod-use needle roller and cage assembly is mainly used for engine, compressor and other crankguide.
- ⊙ The designation of the rod-use needle roller and cage assembly is composed of letter and number. The letter KZK represents crank pine assembly and KBK represents piston pin assembly.
- ⊙ The needle roller and cage assembly for KZK crank pin adapts M-type cage with reliable performance. It has special requirement. The surface of cage can be silver-plated or copper-coated.
- ⊙ The needle roller and cage assembly for KBK piston pin is different from KZK (external guide for crank pin). It is internally guided on the piston pin), thus increasing the length of needle.

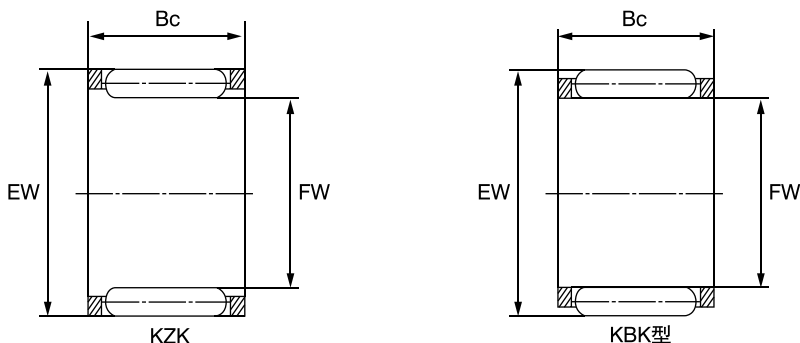


连杆用滚针和保持架组件 Rod-use Needle Roller and Cage Assemblies For



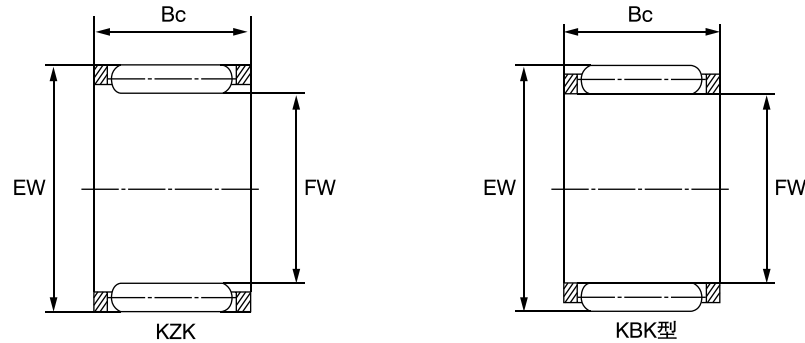
轴径 Shaft Diameter	轴承型号 Bearing Designation		重量 Mass 近似 Approx	外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating	
	现型号 Current Code	原型号 Original Code		Fw	Ew	Bc	动 Dynamic	静 Static
mm			g	mm			N	
8	KZK8×12×8	19242/8	1.9	8	12	8	4700	4580
10	KZK10×14×10	29242/10	3.3	10	14	10	5000	5160
12	KZK12×15×13	49241/12	3.6	12	15	13	5300	7400
	KZK12×16×10	29242/12	3.5	12	16	10	6100	6900
	KZK12×16×11		3.7	12	16	11	6200	7100
	KZK12×17×10	19243/12	5	12	17	10	7020	7020
	KZK12×18×10	19242/12	7.8	12	18	10	7400	7200
14	KZK14×18×10	29241/14	4	14	18	10	7100	8500
	KZK14×19×10	19242/14	5.5	14	19	10	7300	7600
	KZK14×19×10		7.5	14	19	12	7460	7950
	KZK14.4×20.4×10		6.5	14.4	20.4	10	8100	7800
15	KZK15×19×9	29241/15	5	15	19	9	6800	7100
	KZK15×19×10	19242/15	6	15	19	10	7200	8400
	KZK15×20×10		7.5	15	20	10	7800	9100
	KZK15×21×10		8.5	15	21	10	8400	10500
	KZK15×21×11		9.5	15	21	11	8500	10700
	KZK15.2×22.2×12		11.5	15.2	22.2	12	8600	11100
16	KZK16×20×10	29241/16	5.8	16	20	10	8200	9200
	KZK16×20×24	79241/16	6.3	16	20	24	8700	9400
	KZK16×21×10	19242/16	5.8	16	21	10	8800	9800
	KZK16×22×12	19243/16	9.5	16	22	12	11000	11900
	KZK16×22×14		11	16	22	14	13200	13930
17	KZK17×21×10	29241/17	6.7	17	21	10	7600	9000
	KZK17×23×11		9.5	17	23	11	8100	11300
18	KZK18×22×10	29241/18	6.9	18	22	10	7600	9800
	KZK18×22×24		7.2	18	22	24	10100	17200
	KZK18×24×11.6	19243/18	10	18	24	11.6	11600	13100
	KZK18×24×12	19243/18	10	18	24	12	11600	13100
	KZK18×24×13.3		12.4	18	24	13.3	9000	10700
	KZK18×24×13.5		12.4	18	24	13.5	9000	10700
	KZK18×24×15	29243/18	14	18	24	15	13200	15500
19	KZK19×25×16	19244/19K	13.9	19	25	16	12100	15500
	KZK19×28×14		20	19	28	14	12100	15000
20	KZK20×25×16		12	20	25	16	9900	12300
	KZK20×26×12	19243/20	9.6	20	26	12	10100	12500
	KZK20×26×14		12	20	26	14	12600	16700
	KZK20×26×17	9246/20	17	20	26	17	12700	17600
22	KZK22×28×13		15	22	28	13	11900	16500
	KZK22×28×14		16	22	28	14	12600	16800

连杆用滚针和保持架组件



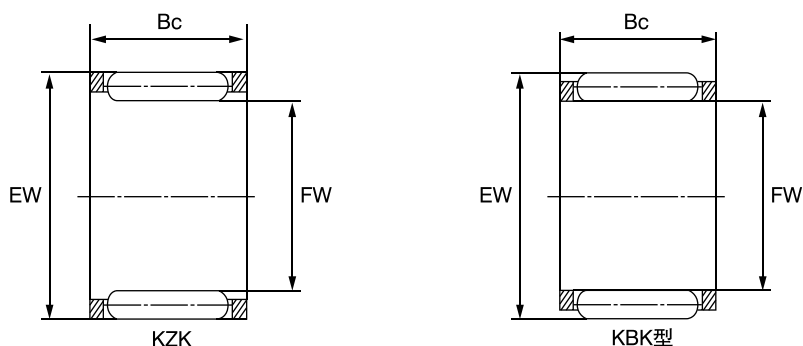
轴径 Shaft Diameter	轴承型号 Bearing Designation		重量 Mass 近似 Approx	外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating	
	现型号 Current Code	原型号 Original Code		Fw	Ew	Bc	动 Dynamic	静 Static
mm			g	mm			N	
22	KZK22×28×15	29242/22	16.7	22	28	15	13500	18500
	KZK22×28×16	29243/22K	18	22	28	16	14400	20100
	KZK22×29×15		15.2	22	29	15	17800	21800
	KZK22×29×16	19244/32	19	22	29	16	17800	21800
	KZK22×30×16	SZ-432	25.7	22	30	16	18700	22300
23	KZK23×29×13		12	23	29	13	10000	11300
	KZK23×30×14		19.4	23	30	14	9350	10100
	KZK23×30×16		22	23	30	16	9780	11800
23.1	KZK23.1×28.1×14	29242/23.1	12.9	23.1	28.1	14	10600	15800
24	KZK24×30×15		17	24	30	15	11200	13700
	KZK24×30×16		18	24	30	16	11200	13700
25	KZK25×30×28	69245/25	24	25	30	28	13300	15200
	KZK25×31×12	19243/25K	16	25	31	12	8700	8800
	KZK25×31×17	39243/25	23	25	31	17	9200	9750
	KZK25×31×20	49243/25	26	25	31	20	9700	10600
	KZK25×32×16	19244/25	22.7	25	32	16	18200	23100
25.1	KZK25.1×30.1×14		14.1	25.1	30.1	14	13700	19000
26	KZK26×34×16	9248/26	25	26	34	16	11700	17500
28	KZK28×33×14		15.7	28	33	14	13200	21900
	KZK28×34×14		20	28	34	14	16500	20700
	KZK28×35×15		25	28	35	15	18000	22000
	KZK28×35×16	19243/28	27	28	35	16	18900	23000
	KZK28×36×16		29.1	28	36	16	19500	27000
	KZK28×38×13.6		40	28	38	13.6	17300	20300
30	KZK30×36×16		28.5	30	36	16	18900	22800
	KZK30×37×16	19243/30	29	30	37	16	21500	30500
	KZK30×38×16		34.4	30	38	16	22700	32600
	KZK30×38×18		38.8	30	38	18	26200	39600
32	KZK32×40×22	19244/32K	50	32	40	22	27800	39300
	KZK32×42×20		54	32	42	20	29000	41000
35	KZK35×42×20	29243/35	10	35	42	20	26000	40200
38	KZK38×46×20	19244/38	50	38	46	20	31100	43000
40	KZK40×48×17		50	40	48	17	29000	39000
	KZK40×48×20	19244/40	54	40	48	20	32500	51000

连杆用滚针和保持架组件



轴径 Shaft Diameter	轴承型号 Bearing Designation		重量 Mass 近似 Approx	外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating	
	现型号 Current Code	原型号 Original Code		Fw	Ew	Bc	动 Dynamic	静 Static
mm			g	mm			N	
8	KBK8×11×10	39241/8	1.85	8	11	10	3500	4000
	KBK8×12×10	29242/8	2	8	12	10	3700	4100
9	KBK9×12×11.5		2.4	9	12	11.5	4200	4800
	KBK9×12×13	49241/9	2.75	9	12	13	4600	5800
	KBK9×12×14		3.5	9	12	14	4700	5900
	KBK9×13×12	39242/9	4.1	9	13	12	5300	5700
	KBK9×13×12.5		4.9	9	13	12.5	5300	5700
	KBK9×13×13	39242/9	5.1	9	13	13	5350	5600
10	KBK10×13×8	29241/10	2	10	13	8	4000	5000
	KBK10×13×10	39241/10	2.4	10	13	10	4200	5200
	KBK10×13×14.5	59241/10	5.1	10	13	14.5	5400	6600
	KBK10×13×16		5.7	10	13	16	6800	7700
	KBK10×14×10	29242/10	3.4	10	14	10	4400	4600
	KBK10×14×11		4	10	14	11	5200	5700
	KBK10×14×12		4.5	10	14	12	5400	6000
	KBK10×14×12.5		4.85	10	14	12.5	5600	6200
	KBK10×14×13	39242/10	5.4	10	14	13	5600	6200
11	KBK11×15×17		5	11	15	17	5200	7000
12	KBK12×15×13	49241/12	4.6	12	15	13	5500	7300
	KBK12×15×14.3		5.4	12	15	14.3	5800	7700
	KBK12×15×15	59241/12	5.6	12	15	15	5900	7800
	KBK12×15×16.5		6.2	12	15	16.6	6800	9900
	KBK12×15×17	69241/12	6.3	12	15	17	7000	10000
	KBK12×15×17.5		6.5	12	15	17.5	7000	10000
	KBK12×16×13	39242/12	6.7	12	16	13	6300	7600
	KBK12×16×15	149242/12KY	7.9	12	16	15	7500	9000
	KBK12×16×15.5		8.3	12	16	15.5	7600	10000
	KBK12×16×16	59241/12	8.5	12	16	16	7800	9300
	KBK12×16×17	59242/12	9.2	12	16	17	7900	9400
	KBK12×17×14		8	12	17	14	8000	9500
	KBK12×17×14.3		8.4	12	17	14.3	8000	9500
	KBK19×17×14.8		8.8	12	17	14.8	8300	9800
13	KBK13×17×14.5		7.1	13	17	14.5	8300	10200
	KBK13×17×17.5		8.6	13	17	17.5	9500	12100
14	KBK14×18×10	29241/14	4.6	14	18	10	6260	7400
	KBK14×18×12		6.6	14	18	12	6380	7570
	KBK14×18×13	39241/14	7.6	14	18	13	7300	8700
	KBK14×18×14		6.33	14	18	14	7400	8800
	KBK14×18×14.5		8	14	18	14.5	7400	8800

连杆用滚针和保持架组件 Rod-use Needle Roller and Cage Assemblies For



轴径 Shaft Diameter	轴承型号 Bearing Designation		重量 Mass 近似 Approx	外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating	
	现型号 Current Code	原型号 Original Code		Fw	Ew	Bc	动 Dynamic	静 Static
	mm			mm			N	
14	KBK14×18×15	49241/14	8.3	14	18	15	7600	8990
	KBK14×18×16.5		9.6	14	18	16.5	8800	9700
	KBK14×18×17	59241/14	10.1	14	18	17	8900	9800
	KBK14×18×20	69241/14	12	14	18	20	9000	10100
	KBK14×18×21		13	14	18	21	10500	12400
	KBK14×19×22		14	14	18	22	11100	13100
	KBK14×18×17	49242/14K	10.3	14	19	17	11100	13100
15	KBK15×19×10	29241/15Y	5	15	19	10	6500	8600
	KBK15×19×18		11	15	19	18	9900	11300
	KBK15×19×19		12	15	19	19	10100	12800
	KBK15×19×20	69241/15	12.9	15	19	20	11300	15500
	KBK15×20×24		18.6	15	20	24	14100	20000
16	KBK16×20×19	SZ-433	12	16	20	19	11700	16800
	KBK16×20×20	69241/16Y	13.4	16	20	20	12900	17600
	KBK16×20×21		14	16	20	21	12900	17600
	KBK16×20×22		15	16	20	22	13000	18700
	KBK16×21×19	59242/16	16	16	21	19	13000	18700
17.5	KBK17.5×22×16		9.3	17.5	22	16	11000	16300
18	KBK18×22×22		16.9	18	22	22	11500	17700
	KBK18×22×23.5		18	18	22	23.5	11900	19000
	KBK18×22×24		18.4	18	22	24	12000	20000
	KBK18×22×25		19.1	18	22	25	12700	20100
	KBK18×23×21		18	18	23	21	9900	10100
	KBK18×23×23	69242/18	20	18	23	23	10500	12000
	KBK18×24×20	49243/18	20	18	24	20	20000	25000
20	KBK20×24×30		22.1	20	24	30	14900	25500
	KBK20×25×22		19.5	20	25	22	15200	22300
	KBK20×25×25		23	20	25	25	17100	24000