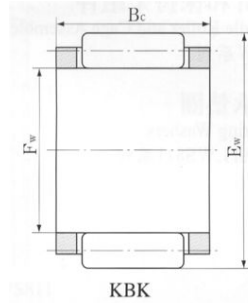


Needle Roller and Cage Assemblies
 For Piston Pin of Engine Connecting Rod
 KBK Series



Shaft Diameter	Bearing Designation	Mass (g)	Boundary Dimensions			Basic Load Rating	
						Dynamic	Static
	KBK	(g)	Fw	Ew	Bc	Cr(N)	Cor(N)
9	KBK9×13×12.5	4.9	9	13	12.5	5100	5500
10	KBK10×13×14.5	5.1	10	13	14.5	4600	6000
	KBK10×14×13	5.9	10	14	13	5100	5800
12	KBK12×15×13	4.6	12	15	13	4800	7000
	KBK12×15×15	5.6	12	15	15	5100	7100
	KBK12×15×17.5	6.5	12	15	17.5	6500	9900
	KBK12×16×13	6.7	12	16	13	6100	7000
	KBK12×16×16	8.5	12	16	16	6800	8900
13	KBK13×17×14.5	7.1	13	17	14.5	7100	9500
	KBK13×17×17.5	8.6	13	17	17.5	8600	11100
14	KBK14×18×13	7.6	14	18	13	6200	8400
	KBK14×18×14.5	8	14	18	14.5	6200	8400
	KBK14×18×17	10.1	14	18	17	8500	11100
	KBK14×18×21	10.8	14	18	21	11000	15000
15	KBK15×19×20	12.9	15	19	20	10000	13500
16	KBK16×20×20	13.5	16	20	20	10500	14000
18	KBK18×22×22	17	18	22	22	12000	18500
	KBK18×22×24	18.5	18	22	24	12500	21000
	KBK18×22×25	19.2	18	22	25	12000	20000
20	KBK20×24×30	22.1	20	24	30	13000	24000
	KBK20×25×22	19.5	20	25	22	13600	21000