

ZON™

BEARINGS FOR YOUR FUTURE



Nadellager / Needle Roller Bearings





BEARINGS FOR YOUR FUTURE

Zen Ball Bearings are manufactured to the highest quality for standard and non-standard applications. Our technical department can modify any non-standard bearings to your specific requirements, regardless of quantity.

Apart from our extensive miniature ball bearing range of more than 1000 different types, ranging from 1-10 mm bore (Including inch dimensions), our range also includes Thin section, Three part thrust, Popular metric and any kind of non standard bearing. We are able to design bearings according to your requirements using new materials like ceramic or special steels for applications in Industry, Medicine, Chemistry and Food Processing.

Our technical department can modify any non-standard bearings to your specific requirements, even for small quantities.

For any items not listed in our catalogue, please contact our experienced sales team.



Zen Ball Bearings Shanghai has been awarded the German ISO TUV Rheinland certification for inspection of ZEN products.

This certification is the highest standard a business in our industry can achieve. It is internationally recognised as a guarantee of quality, customer focus and continual improvement.

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Nadellager Needle Roller Bearings



Ölschmierung
Oil lubrication



Fettschmierung
Grease lubrication



Geeignet für hohe drehzahlen
Suitable for high speed applications

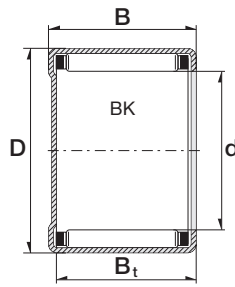
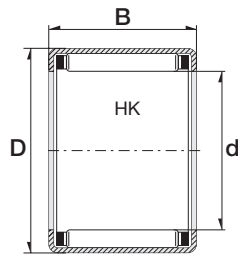


Geeignet für hohe tragzahlen
Suitable for heavy load rating



Gummidichtscheiben verfügbar
Rubber seal option available

Nadellager / Needle Roller Bearings



Needle Roller Bearings
HK series with open ends

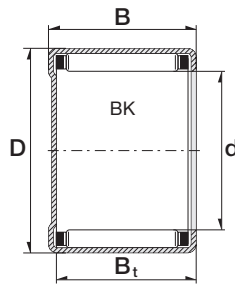
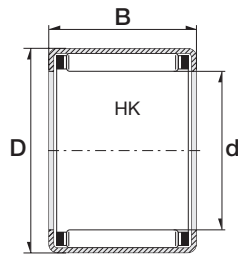
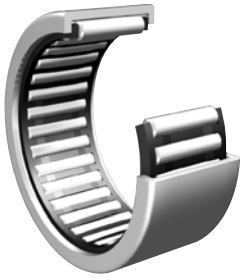
Drawn Cup
Needle Roller Bearings
BK series with closed end



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Designation/Type		Dimension (mm)				* Load Rating		Limiting speed x1000rpm	Mass (g) approx.
with open ends	with closed end	d	D	B Tol.-0.3	B _t min. only BK	C, dyn. N	C, stat. N		
HK 0306-TV	BK 0306	3	6.5	6	0	1230	840	46.0	1 g
HK 0408	-	4	8	8	0	1780	1310	41.0	2 g
HK 0509	BK 0509	5	9	9	0	2400	1990	38.0	2 g
HK 0606	-	6	10	6	0	1610	1220	35.0	2 g
HK 0608	-	6	10	8	-	2030	1650	35.0	2 g
HK 0609	BK 0609	6	10	9	7.4	2850	2600	35.0	3 g
HK 0709	BK 0709	7	11	9	7.4	3100	2950	31.0	3 g
HK 0808	BK 0808	8	12	8	6.4	2750	2600	28.0	3 g
HK 0810	BK 0810	8	12	10	8.4	3800	3950	28.0	3 g
HK0810-RS	-	8	12	10	0	3800	3950	28.0	3 g
HK0810-2RS	-	8	12	10	0	3800	3950	28.0	3 g
HK0812-RS	-	8	12	12	0	3800	3950	28.0	3 g
HK0812-2RS	-	8	12	12	0	3800	3950	28.0	3 g
HK 0908	-	9	13	8	-	3550	3750	25.5	3 g
HK 0910	BK 0910	9	13	10	8.4	4250	4650	25.5	4 g
HK 0912	BK 0912	9	13	12	10.4	5300	6300	25.5	5 g
HK 1010	BK 1010	10	14	10	8.4	4400	5100	23.3	4 g
HK 1012	BK 1012	10	14	12	10.4	5500	6800	23.3	5 g
HK1012-RS	-	10	14	12	0	5500	6800	23.3	4 g
HK1012-2RS	-	10	14	12	0	5500	6800	23.3	4 g
HK1014-2RS	-	10	14	12	0	4400	5100	23.3	4 g
HK 1015	BK 1015	10	14	15	13.4	6800	8800	23.3	6 g
HK 1210	BK 1210	12	16	10	8.4	4950	6200	20.0	5 g
HK 1212	BK 1212	12	18	12	9.3	6500	7300	18.7	9 g
HK1214-2RS	-	12	16	14	0	6500	7300	20.0	8 g
HK1214-RS	-	12	18	14	0	6500	7300	18.7	10 g
HK1216-2RS	-	12	18	14	0	6500	7300	18.7	10 g
HK 1312	BK 1312	13	19	12	9.3	6300	7300	17.5	10 g
HK 1412	BK 1412	14	20	12	9.3	7100	8500	16.5	11 g
HK1414-RS	-	14	20	14	0	7100	8500	16.5	12 g

Nadellager / Needle Roller Bearings



Needle Roller Bearings
HK series with open ends

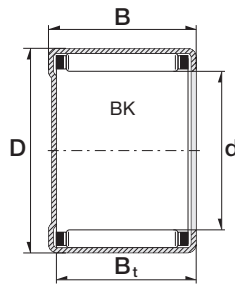
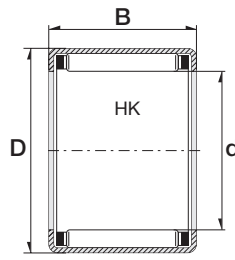
Drawn Cup
Needle Roller Bearings
BK series with closed end



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Designation/Type		Dimension (mm)				* Load Rating		Limiting speed x1000rpm	Mass (g) approx.
with open ends	with closed end	d	D	B Tol.-0.3	B _t min. only BK	C, dyn. N	C, stat. N		
HK1416-2RS	-	14	20	14	0	7100	8500	16.5	12 g
HK 1512	BK 1512	15	21	12	9.3	7900	9400	15.6	11 g
HK1514-RS	-	15	21	14	0	7800	9800	15.6	12 g
HK 1516	BK 1516	15	21	16	13.3	10500	14400	15.6	15 g
HK1516-2RS	-	15	21	14	0	10500	14400	15.6	12 g
HK1518-RS	-	15	21	18	0	10500	14400	15.6	16 g
HK1520-2RS	-	15	21	18	0	10500	14400	15.6	18 g
HK1522-ZW	-	15	21	22	0	13400	19500	15.6	20 g
HK 1612	BK 1612	16	22	12	9.3	7600	9700	14.7	12 g
HK 1614-RS	-	16	22	14	0	7600	9700	14.7	13 g
HK 1616	BK 1616	16	22	16	13.3	10900	15300	14.7	16 g
HK1616-2RS	-	16	22	14	0	10900	15300	14.7	13 g
HK1620-2RS	-	16	22	20	0	10900	15300	14.7	18 g
HK 1622-ZW	BK 1622-ZW	16	22	22	0	13100	19400	14.7	22 g
HK 1712	-	17	23	12	-	7900	10300	14.0	12 g
HK 1812	BK 1812	18	24	12	9.3	8100	10900	13.3	13 g
HK1814-RS	-	18	24	14	0	8100	10900	13.3	14 g
HK 1816	BK 1816	18	24	16	13.3	11600	17300	13.3	18 g
HK1816-2RS	-	18	24	14	0	11600	17300	13.3	15 g
HK 2010	-	20	26	10	-	6400	8200	12.2	12 g
HK 2012	-	20	26	12	-	8600	12100	12.2	14 g
HK 2016	BK 2016	20	26	16	13.3	12700	20100	12.2	19 g
HK2016-2RS	-	20	26	16	0	12700	20100	12.2	18 g
HK2018-RS	-	20	26	18	0	12700	20100	12.2	21 g
HK 2020	BK 2020	20	26	20	17.3	15700	26000	12.2	24 g
HK2020-2RS	-	20	26	18	0	15700	26000	12.2	23 g
HK2030-ZW	-	20	26	30	0	21800	40000	12.2	35 g
HK 2210	-	22	28	10	-	7500	10500	11.2	13 g
HK 2212	BK 2212	22	28	12	9.3	9100	13400	11.2	15 g
HK2214-RS	-	22	28	14	0	9100	13400	11.2	16 g

Nadellager / Needle Roller Bearings



Needle Roller Bearings
HK series with open ends

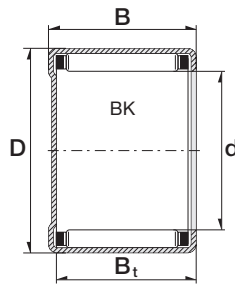
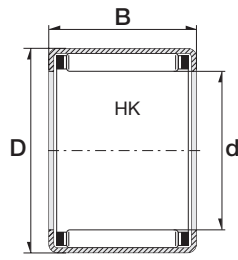
Drawn Cup
Needle Roller Bearings
BK series with closed end



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Designation/Type		Dimension (mm)				* Load Rating		Limiting speed x1000rpm	Mass (g) approx.
with open ends	with closed end	d	D	B Tol.-0.3	B _t min. only BK	C, dyn. N	C, stat. N		
HK 2216	BK 2216	22	28	16	13.3	13400	22100	11.2	21 g
HK2216-2RS	-	22	28	14	0	13400	22100	11.2	16 g
HK2218-RS	-	22	28	18	0	13400	22100	11.2	24 g
HK 2220	-	22	28	20	-	16500	29000	11.2	26 g
HK2220-2RS	-	22	28	18	0	16500	29000	11.2	24 g
HK 2512	-	25	32	12	-	11000	15200	9.8	20 g
HK 2516	BK2516	25	32	16	-	15600	24000	9.8	27 g
HK2516-2RS	-	25	32	16	0	15600	24000	9.8	27 g
HK2518-RS	-	25	32	18	0	15600	24000	9.8	29 g
HK 2520	BK 2520	25	32	20	17.3	19900	33000	9.8	33 g
HK2520-2RS	-	25	32	18	0	19900	33000	9.8	29 g
HK2524-2RS	-	25	32	24	0	19900	33000	9.8	40 g
HK 2526	BK 2526	25	32	26	23.3	25500	45000	9.8	44 g
HK2530-2RS	-	25	32	30	0	25500	45000	9.8	47 g
HK2538.ZW	BK2538-ZW	25	32	38	0	34000	66000	9.8	64 g
HK 2816	-	28	35	16	-	16400	26500	8.9	29 g
HK2818-RS	-	28	35	18	0	16400	26500	8.9	31 g
HK 2820	-	28	35	20	-	20900	36000	8.9	36 g
HK2820-2RS	-	28	35	18	0	20900	26500	8.9	34 g
HK 3012	BK 3012	30	37	12	9.3	12100	18200	8.4	23 g
HK 3016	BK 3016	30	37	16	13.3	17200	29000	8.4	31 g
HK3016-2RS	-	30	37	16	0	17200	29000	8.4	31 g
HK3018-RS	-	30	37	18	0	17200	29000	8.4	37 g
HK 3020	BK 3020	30	37	20	17.3	22000	39500	8.4	39 g
HK3020-2RS	-	30	37	18	0	22000	39500	8.4	37 g
HK3022	-	30	37	22	0	24800	46000	8.4	42 g
HK3024-2RS	-	30	37	24	0	22000	39500	8.4	44 g
HK 3026	BK 3026	30	37	26	23.3	28000	54000	8.4	51 g
HK3038-ZW	BK3038-ZW	30	37	38	0	37500	79000	8.4	76 g
HK3220	-	32	39	20	0	23000	42500	7.9	41 g

Nadellager / Needle Roller Bearings



Needle Roller Bearings
HK series with open ends

Drawn Cup
Needle Roller Bearings
BK series with closed end



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Designation/Type		Dimension (mm)				* Load Rating		Limiting speed x1000rpm	Mass (g) approx.
with open ends	with closed end	d	D	B Tol.-0.3	B _t min. only BK	C, dyn. N	C, stat. N		
HK3224	-	32	39	24	0	27500	54000	7.9	49 g
HK 3512	-	35	42	12	-	13100	21300	7.3	27 g
HK 3516	-	35	42	16	-	18700	33500	7.3	36 g
HK3516-2RS	-	35	42	16	0	18700	33500	7.3	32 g
HK3518-RS	-	35	42	18	0	18700	33500	7.3	39 g
HK 3520	BK 3520	35	42	20	17.3	23800	46000	7.3	44 g
HK3520-2RS	-	35	42	18	0	18700	46000	7.3	41 g
HK 4012	-	40	47	12	-	14000	24300	6.4	30 g
HK 4016	-	40	47	16	-	20000	38500	6.4	39 g
HK4016-2RS	-	40	47	16	0	20000	38500	6.4	37 g
HK4018-RS	-	40	47	18	0	20000	38500	6.4	45 g
HK 4020	BK 4020	40	47	20	17.3	25500	52000	6.4	54 g
HK4020-2RS	-	40	47	18	0	25500	52000	6.4	48 g
HK 4512	-	45	52	12	-	14900	27500	5.8	33 g
HK 4516	-	45	52	16	-	21300	43000	5.8	46 g
HK4518-RS	-	45	52	18	0	21300	43000	5.8	50 g
HK 4520	BK 4520	45	52	20	17.3	27000	59000	5.8	56 g
HK4520-2RS	-	45	52	18	0	27000	59000	5.8	50 g
HK 5020	-	50	58	20	-	31000	63000	5.2	70 g
HK5022-RS	-	50	58	22	0	31000	63000	5.2	76 g
HK5024-2RS	-	50	58	22	0	31000	63000	5.2	76 g
HK 5025	-	50	58	25	-	38500	84000	5.2	90 g
HK 5520	-	55	63	20	-	31500	67000	4.8	74 g
HK 5528	-	55	63	28	-	44000	103000	4.8	105 g
HK 6012	-	60	68	12	-	17400	32000	4.4	49 g
HK 6020	-	60	68	20	-	33500	75000	4.4	81 g
HK 6032	-	60	68	32	-	53000	135000	4.4	136 g

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