

Сферические роlikоподшипники R, RR, RH(R), RZ, RHA, K (K30) Технические характеристики

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Spherical roller bearings

Spherical roller bearings feature a large load rating capacity and self-aligning capability.

This type of bearing is suitable for low-or medium-speed applications which involve heavy or impact loading.

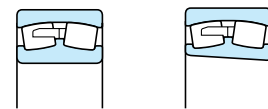
- These bearings are divided into R, RR, RH, RHR and RHA types, which differ in internal structure. (refer to Table 1.)
- Each type can be produced with a cylindrical bore or tapered bore.

Bearing with a tapered bore can be fit and removed easily using an adapter assembly or withdrawal sleeve. The rate of taper is equivalent among all bearing series.

240 and 241 series ...1 : 30 (supplementary code "K30")

Others ...1 : 12 (supplementary code "K")

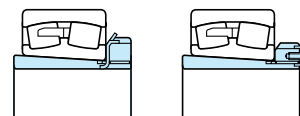
Spherical roller bearings



Cylindrical bore Tapered bore

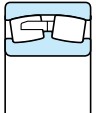
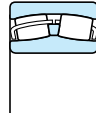
Bore diameter 25 – 300 mm

Adapter assemblies



Bore diameter 20 – 280 mm

Table 1 Spherical roller bearings : types and structures

Structure	 R, RR type*	 RH, RHR type	 RHA type
Roller	Convex asymmetrical roller	Convex symmetrical roller	Convex symmetrical roller
Cage	Copper alloy prong type machined cage *(excl. 240 and 241 series)	Pressed steel cage	Copper alloy integral type machined cage
Inner ring (with or without rib)	With center rib	Without center rib (guide ring)	Without center rib (guide ring)
	With ribs on both sides (to prevent rollers from falling) *(excl. 240 and 241 series)	Without ribs on both sides	With ribs on both sides (to prevent rollers from falling)
Characteristics	Superior to RH and RHA types in high-speed performance.	The load rating capacity is larger than that of R type. (There are some exceptional cases due to different interior specifications.)	

* Some 240 or 241 series R type bearings have a pressed cage. Some of them are provided with an inner ring which does not have ribs.

■ Spherical roller bearings for shaker screens



- These bearings consist of convex asymmetric rollers and a prong type, copper alloy, outer ring guided, machined cage. This cage possesses optimum characteristics for use with shaker screens.
- The bearings most commonly used with shaker screens are 223 series spherical roller bearings. They are identified by the supplementary code "ROVSW502." The outer ring outside diameter tolerance of these bearings is held to a small allowable variation.

Spherical roller bearings

■ Bearings with lubrication holes and a lubrication groove

- Outer rings can be provided with lubrication holes, a lubrication groove and an anti-rotation pin hole. (Specifications are given in Table 4.)
- Inner rings can also be provided with lubrication holes and a lubrication groove.

Table 2 Supplementary codes for identification of bearings with lubrication holes, lubrication groove and anti-rotation pin hole (outer ring)

Supplementary code		Number of lubrication holes	Hole layout
With lubrication holes and lubrication groove	With lubrication holes, lubrication groove and anti-rotation pin hole		
W33	W3N	3	3 equally spaced positions ¹⁾
W33A	W3NA	4	4 equally spaced positions
—	W3NB	5	6 equally spaced positions ²⁾
W33C	W3NC	6	6 equally spaced positions
—	W3ND	7	8 equally spaced positions ²⁾
W33T	—	8	8 equally spaced positions

Notes 1) 4 or 6 holes are provided in smaller size bearings. Consult Koyo.
2) One hole is used for the anti-rotation pin.

Table 3 Supplementary codes for identification of bearings with lubrication holes and / or lubrication groove

Supplementary code	Inner ring		Outer ring	
	Number of lubrication holes	Lubrication groove	Number of lubrication holes	Lubrication groove
W513	3	—	3	○
W518	3	—	3	—
W26	3	—	—	—

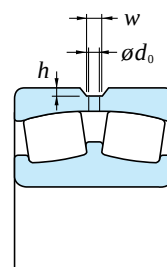


Table 4 Lubrication hole and lubrication groove dimensions

Unit mm

Bore diameter number	Nominal bore diameter d	239			230			240			231			241			222			232			213			223		
		d_0	w	h	d_0	w	h	d_0	w	h	d_0	w	h	d_0	w	h	d_0	w	h	d_0	w	h	d_0	w	h	d_0	w	h
20	100	—	—	—	3.5	5	1	—	—	—	4	6	1.2	—	—	—	5	7	1.5	6	8	1.5	4	6	1.5	6	8	1.5
22	110	—	—	—	5	7	1.2	—	—	—	4	6	1.2	4	6	1.2	5	7	1.5	6	8	1.5	4	6	1.5	8	10	2
24	120	—	—	—	5	7	1.2	4	6	1.2	4	6	1.2	4	6	1.2	5	7	1.5	8	10	2	4	6	1.5	10	12	2.5
26	130	—	—	—	5	7	1.2	4	6	1.2	4	6	1.5	4	6	1.5	6	8	1.5	8	10	2	—	—	—	12	14	3
28	140	—	—	—	5	7	1.2	5	7	1.2	6	8	1.5	6	8	1.5	8	10	2	8	10	2	—	—	—	12	14	3
30	150	5	7	1.2	6	8	1.5	6	8	1.5	8	10	2	8	10	2	10	12	2.5	8	10	2	—	—	—	12	14	3
32	160	5	7	1.2	6	8	1.5	6	8	1.5	10	12	2.5	10	12	2	10	12	2.5	10	12	2.5	—	—	—	12	14	3
34	170	5	7	1.2	8	10	2	8	10	2	10	12	2.5	10	12	2	12	14	3	10	12	2.5	—	—	—	12	14	3
36	180	5	7	1.2	10	12	2.5	10	12	2.5	10	12	2.5	10	12	2	12	14	3	10	12	2.5	—	—	—	14	16.5	4
38	190	5	7	1.2	10	12	2.5	—	—	—	10	12	2.5	10	12	2	12	14	3	12	14	3	—	—	—	14	16.5	4
40	200	6	8	1.5	10	12	2.5	10	12	2.5	12	14	3	12	14	3	12	14	3	12	14	3	—	—	—	14	16.5	4
44	220	6	8	1.5	10	12	2.5	10	12	2.5	12	14	3	12	14	3	12	14	3	12	14	3	—	—	—	14	16.5	4
48	240	6	8	1.5	10	12	2.5	10	12	2.5	12	14	3	12	14	3	14	16.5	4	14	16.5	4	—	—	—	14	16.5	4
52	260	10	12	2.5	12	14	3	12	14	3	12	14	3	12	14	3	14	16.5	4	14	16.5	4	—	—	—	14	16.5	4
56	280	10	12	2.5	12	14	3	12	14	3	12	14	3	12	14	3	14	16.5	4	14	16.5	4	—	—	—	14	16.5	4
60	300	10	12	2.5	12	14	3	12	14	3	12	14	3	12	14	3	14	16.5	4	14	16.5	4	—	—	—	14	16.5	4
64	320	10	12	2.5	12	14	3	12	14	3	14	16.5	4	14	16.5	4	14	16.5	4	14	16.5	4	—	—	—	14	16.5	4
68	340	12	14	3	14	16.5	4	14	16.5	3	14	16.5	4	14	16.5	4	14	16.5	4	14	16.5	4	—	—	—	14	16.5	4
72	360	12	14	3	14	16.5	4	14	16.5	3	14	16.5	4	14	16.5	4	14	16.5	4	14	16.5	4	—	—	—	14	16.5	4
76	380	12	14	3	14	16.5	4	14	16.5	3	14	16.5	4	14	16.5	4	14	16.5	4	14	16.5	4	—	—	—	14	16.5	4
80	400	12	14	3	14	16.5	4	14	16.5	4	14	16.5	4	14	16.5	4	14	16.5	4	14	16.5	4	—	—	—	14	16.5	4
84	420	12	14	3	14	16.5	4	14	16.5	4	14	16.5	4	14	16.5	4	14	16.5	4	14	16.5	4	—	—	—	14	16.5	4
88	440	14	16.5	4	14	16.5	4	14	16.5	4	14	16.5	4	14	16.5	4	14	16.5	4	14	16.5	4	—	—	—	14	16.5	4
92	460	14	16.5	4	14	16.5	4	14	16.5	4	14	16.5	4	14	16.5	4	—	—	—	14	16.5	4	—	—	—	14	16.5	4
96	480	14	16.5	4	14	16.5	4	14	16.5	4	14	16.5	4	14	16.5	4	—	—	—	14	16.5	4	—	—	—	14	16.5	4
/500	500	14	16.5	4	14	16.5	4	14	16.5	4	14	16.5	4	14	16.5	5	—	—	—	14	16.5	4	—	—	—	—	—	—

Boundary dimensions	As specified in JIS B 1512.
Tolerances	As specified in JIS B 1514, class 0.
Radial internal clearance	As specified in JIS B 1520. (refer to Table 2-8 on pp. A 18, 19.)
Standard cages	Refer to Table 5.
Allowable aligning angle	Refer to Table 5. (varies depending on bearing series.)
Equivalent radial load	Dynamic equivalent radial load $\left[\text{when } \frac{F_a}{F_r} \leq e \right] P_r = F_r + Y_1 F_a$ $\left[\text{when } \frac{F_a}{F_r} > e \right] P_r = 0.67 F_r + Y_2 F_a$ Static equivalent radial load $P_{0r} = F_r + Y_0 F_a$

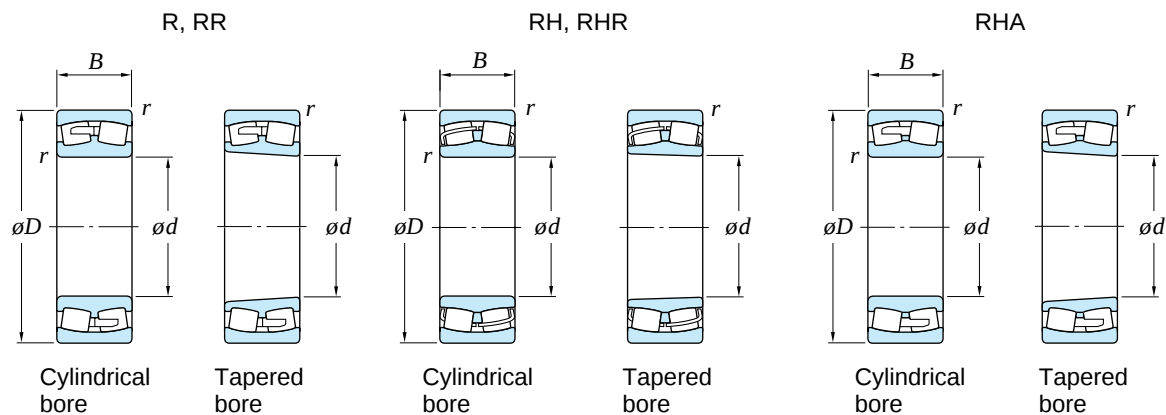
Remark) If the ratio of axial load to radial load exceeds the value e given in the specification table ($F_a / F_r > e$), slippage occurs between rollers in rows that are not axial-loaded and the raceway. This may cause smearing, especially when the bearing is large. Consult Koyo on the use of bearings under such conditions.

Table 5 Application of standard cages and allowable aligning angle

Bearing series	Standard cages		Allowable aligning angle
	Pressed cage	Machined cage	
239 R	—	23930R – 239/500R	0.026 rad (1.5°)
230 R	—	23038R – 230/500R	0.026 rad (1.5°)
RH RHA	23022RH – 23036RH —	— 23038RHA – 23096RHA	
240 R	—	24038R – 240/500R	0.035 rad (2°)
RH RHA	24024RH – 24036RH —	— 24038RHA – 24096RHA	
231 R	—	23136R – 231/500R	0.026 rad (1.5°)
RH RHA	23122RH – 23134RH —	— 23136RHA – 23196RHA	
241 R	—	24136R – 241/500R	0.044 rad (2.5°)
RH RHA	24122RH – 24134RH —	— 24136RHA – 24196RHA	
222 R(RR) RH(RHR) RHA	— 22205RHR – 22230RH —	22232RR – 22272R — 22232RHA – 22260RHA	0.026 rad (1.5°)
232 R	—	23232R – 232/500R	0.044 rad (2.5°)
RH RHA	23218RH – 23230RH —	— 23232RHA – 23296RHA	
213 R	—	21328R – 21322R	0.017 rad (1°)
RH	21311RH – 21322RH —	—	
223 R(RR) RH(RHR) RHA	— 22308RHR – 22326RH —	22328R – 22360R — 22328RHA – 22356RHA	0.035 rad (2°)

Spherical roller bearings

d 25 – 80 mm



Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (min ⁻¹)		Bearing No.		(Refer.) Mass (kg)	
d	D	B	r min.	C _r	C _{0r}	Grease lub.	Oil lub.	Cylindrical bore	Tapered bore	Cylindrical bore	Tapered bore
25	52	18	1	45.4	48.1	7 000	9 300	22205RHR	22205RHRK	0.220	0.215
30	62	20	1	61.2	65.9	5 900	7 900	22206RHR	22206RHRK	0.360	0.350
35	72	23	1.1	80.3	88.7	5 000	6 700	22207RHR	22207RHRK	0.550	0.540
40	80	23	1.1	90.9	102	4 500	6 000	22208RHR	22208RHRK	0.660	0.650
45	90	23	1.5	85.7	95.5	4 100	5 500	21308RH	21308RHK	0.710	0.700
50	90	33	1.5	136	152	4 100	5 500	22308RHR	22308RHRK	1.25	1.23
45	85	23	1.1	95.6	110	4 200	5 600	22209RHR	22209RHRK	0.720	0.710
50	100	25	1.5	108	124	3 600	4 900	21309RH	21309RHK	0.950	0.940
55	100	36	1.5	166	183	3 700	4 900	22309RHR	22309RHRK	1.62	1.59
50	90	23	1.1	103	122	3 900	5 200	22210RHR	22210RHRK	0.780	0.770
55	110	27	2	128	151	3 300	4 400	21310RH	21310RHK	1.20	1.18
60	110	40	2	204	237	3 300	4 500	22310RHR	22310RHRK	2.21	2.18
55	100	25	1.5	124	144	3 400	4 600	22211RHR	22211RHRK	1.05	1.04
60	120	29	2	144	165	3 000	4 100	21311RH	21311RHK	1.60	1.58
65	120	43	2	236	264	3 000	4 000	22311RHR	22311RHRK	2.72	2.67
60	110	28	1.5	153	181	3 100	4 200	22212RHR	22212RHRK	1.45	1.43
65	130	31	2.1	168	193	2 800	3 700	21312RH	21312RHK	1.95	1.92
70	130	46	2.1	283	334	2 800	3 700	22312RHR	22312RHRK	3.43	3.37
65	120	31	1.5	178	211	2 900	3 800	22213RHR	22213RHRK	1.84	1.81
70	140	33	2.1	194	232	2 600	3 400	21313RH	21313RHK	2.45	2.41
75	140	48	2.1	305	360	2 600	3 400	22313RHR	22313RHRK	4.15	4.07
70	125	31	1.5	187	222	2 700	3 600	22214RHR	22214RHRK	1.94	1.91
75	150	35	2.1	215	260	2 400	3 200	21314RH	21314RHK	3.00	2.95
80	150	51	2.1	348	413	2 400	3 200	22314RHR	22314RHRK	5.01	4.92
75	130	31	1.5	193	236	2 600	3 400	22215RHR	22215RHRK	2.05	2.01
80	160	37	2.1	246	298	2 200	3 000	21315RH	21315RHK	3.55	3.50
85	160	55	2.1	393	473	2 200	3 000	22315RHR	22315RHRK	6.13	6.02
80	140	33	2	217	271	2 400	3 200	22216RHR	22216RHRK	2.61	2.57
85	170	39	2.1	275	339	2 100	2 800	21316RH	21316RHK	4.20	4.14
90	170	58	2.1	431	521	2 100	2 800	22316RHR	22316RHRK	7.18	7.04

Remark) Standard cage types used for the above bearings are shown in Table 5 earlier in this section.

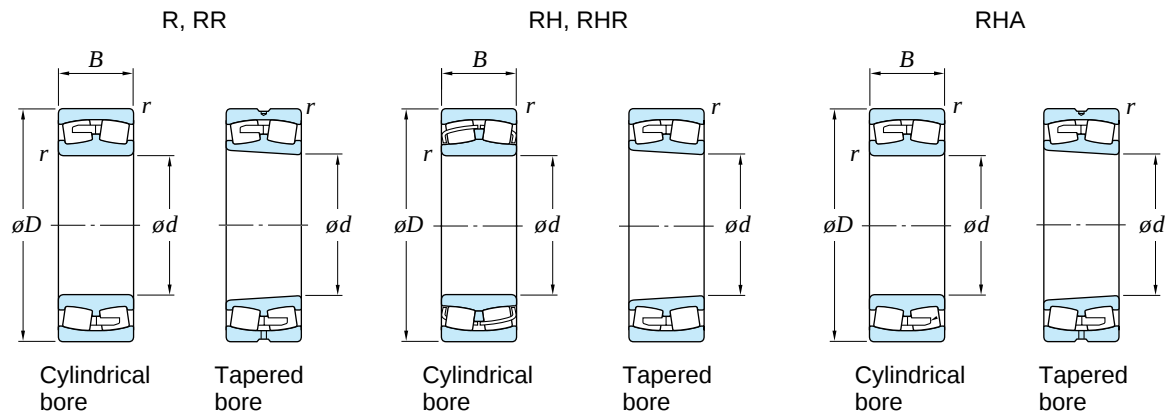
d 85 – (150) mm

Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (min ⁻¹)		Bearing No.		(Refer.) Mass (kg)	
<i>d</i>	<i>D</i>	<i>B</i>	<i>r</i> _{min.}	<i>C_r</i>	<i>C_{0r}</i>	Grease lub.	Oil lub.	Cylindrical bore	Tapered bore	Cylindrical bore	Tapered bore
85	150	36	2	258	324	2 200	3 000	22217RHR	22217RHRK	3.23	3.16
	180	41	3	300	372	2 000	2 600	21317RH	21317RHK	5.00	4.93
	180	60	3	481	586	2 000	2 600	22317RHR	22317RHRK	8.41	8.26
90	160	40	2	298	381	2 100	2 800	22218RHR	22218RHRK	4.01	3.94
	160	52.4	2	336	482	2 100	2 800	23218RH	23218RHK	4.60	4.47
	190	43	3	330	416	1 900	2 500	21318RH	21318RHK	5.80	5.71
	190	64	3	538	662	1 900	2 500	22318RHR	22318RHRK	9.87	9.68
	190	64	3	538	662	1 900	2 500	22318RHR	22318RHRK	9.87	9.68
95	170	43	2.1	334	422	2 000	2 600	22219RHR	22219RHRK	4.90	4.80
	200	45	3	362	461	1 800	2 300	21319RH	21319RHK	7.15	7.05
	200	67	3	586	726	1 800	2 300	22319RHR	22319RHRK	11.6	11.38
100	150	37	1.5	208	332	2 100	2 800	23020RH	—	2.80	—
	180	46	2.1	377	481	1 900	2 500	22220RHR	22220RHRK	5.82	5.72
	180	60.3	2.1	425	629	1 900	2 500	23220RH	23220RHK	6.70	6.51
	215	47	3	416	524	1 600	2 200	21320RH	21320RHK	8.80	8.68
	215	73	3	700	877	1 600	2 200	22320RHR	22320RHRK	14.7	14.4
110	170	45	2	300	486	1 900	2 500	23022RH	23022RHK	4.50	4.38
	180	56	2	385	605	1 800	2 400	23122RH	23122RHK	5.55	5.37
	180	69	2	469	778	1 800	2 400	24122RH	24122RHK30	6.53	6.44
	200	53	2.1	491	642	1 700	2 200	22222RHR	22222RHRK	8.37	8.22
	200	69.8	2.1	537	792	1 700	2 200	23222RH	23222RHK	9.70	9.40
	240	50	3	484	616	1 400	1 900	21322RH	21322RHK	12.0	11.8
	240	80	3	828	1 040	1 400	1 900	22322RHR	22322RHRK	20.2	19.8
	240	80	3	828	1 040	1 400	1 900	22322RHR	22322RHRK	20.2	19.8
120	180	46	2	314	524	1 700	2 300	23024RH	23024RHK	4.90	4.77
	180	60	2	397	709	1 700	2 300	24024RH	24024RHK30	5.04	4.96
	200	62	2	454	714	1 600	2 200	23124RH	23124RHK	7.80	7.56
	200	80	2	605	1 020	1 600	2 200	24124RH	24124RHK30	9.64	9.54
	215	58	2.1	565	764	1 500	2 000	22224RHR	22224RHRK	10.6	10.4
	215	76	2.1	616	956	1 500	2 100	23224RH	23224RHK	12.0	11.6
	260	86	3	896	1 130	1 300	1 800	22324RHR	22324RHRK	24.1	23.6
	260	86	3	896	1 130	1 300	1 800	22324RHR	22324RHRK	24.1	23.6
130	200	52	2	404	674	1 600	2 100	23026RH	23026RHK	7.30	7.12
	200	69	2	512	914	1 600	2 100	24026RH	24026RHK30	7.43	7.33
	210	64	2	494	799	1 500	2 000	23126RH	23126RHK	8.55	8.27
	210	80	2	620	1 080	1 500	2 000	24126RH	24126RHK30	10.3	10.1
	230	64	3	658	914	1 400	1 900	22226RHR	22226RHRK	13.3	13.0
	230	80	3	702	1 090	1 400	1 900	23226RH	23226RHK	14.0	13.5
	280	93	4	1 040	1 340	1 200	1 600	22326RHR	22326RHRK	30.3	29.7
	280	93	4	1 040	1 340	1 200	1 600	22326RHR	22326RHRK	30.3	29.7
140	210	53	2	422	723	1 500	2 000	23028RH	23028RHK	7.80	7.60
	210	69	2	524	957	1 500	2 000	24028RH	24028RHK30	7.88	7.74
	225	68	2.1	565	940	1 400	1 900	23128RH	23128RHK	10.5	10.2
	225	85	2.1	702	1 220	1 400	1 900	24128RH	24128RHK30	12.3	12.1
	250	68	3	759	1 030	1 300	1 700	22228RHR	22228RHRK	16.4	16.1
	250	88	3	811	1 290	1 300	1 700	23228RH	23228RHK	18.5	17.9
	300	102	4	1 100	1 410	1 300	1 700	22328R	22328RK	36.2	35.5
	300	102	4	1 170	1 570	1 100	1 500	22328RH	22328RHK	35.7	34.9
150	210	45	2	334	622	1 600	2 100	23930R	23930RK	4.97	4.81

Remark) Standard cage types used for the above bearings are shown in Table 5 earlier in this section.

Spherical roller bearings

d (150) – (180) mm



Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (min ⁻¹)		Bearing No.		(Refer.) Mass (kg)	
d	D	B	r min.	C _r	C _{0r}	Grease lub.	Oil lub.	Cylindrical bore	Tapered bore	Cylindrical bore	Tapered bore
150	225	56	2.1	461	797	1 400	1 800	23030RH	23030RHK	9.50	9.26
	225	75	2.1	593	1 100	1 400	1 800	24030RH	24030RHK30	9.81	9.64
	250	80	2.1	717	1 230	1 300	1 700	23130RH	23130RHK	16.0	15.5
	250	100	2.1	915	1 590	1 300	1 700	24130RH	24130RHK30	18.4	18.1
	270	73	3	865	1 200	1 200	1 600	22230RHR	22230RHRK	20.6	20.2
	270	96	3	959	1 540	1 200	1 600	23230RH	23230RHK	24.0	23.3
	320	108	4	1 230	1 600	1 200	1 500	22330R	22330RK	43.6	42.7
	320	108	4	1 290	1 740	1 200	1 500	22330RHA	22330RHAK	40.3	39.4
	220	45	2	341	649	1 500	2 000	23932R	23932RK	5.25	5.08
	240	60	2.1	531	924	1 300	1 700	23032RH	23032RHK	11.3	11.0
160	240	80	2.1	679	1 270	1 300	1 700	24032RH	24032RHK30	12.0	11.8
	270	86	2.1	848	1 430	1 200	1 600	23132RH	23132RHK	20.5	19.9
	270	109	2.1	1 070	1 890	1 200	1 600	24132RH	24132RHK30	24.0	23.7
	290	80	3	885	1 270	1 200	1 600	22232R	22232RK	23.4	22.9
	290	80	3	897	1 320	1 200	1 600	22232RHA	22232RHAK	21.9	21.4
	290	104	3	1 030	1 650	1 200	1 600	23232R	23232RK	31.0	30.1
	290	104	3	1 100	1 780	1 200	1 600	23232RHA	23232RHAK	29.4	28.5
	340	114	4	1 380	1 790	1 100	1 400	22332R	22332RK	51.9	51.0
	340	114	4	1 420	1 940	1 100	1 400	22332RHA	22332RHAK	48.0	47.1
	230	45	2	353	691	1 400	1 900	23934R	23934RK	5.53	5.35
170	260	67	2.1	632	1 090	1 200	1 600	23034RH	23034RHK	15.9	15.5
	260	90	2.1	828	1 540	1 200	1 600	24034RH	24034RHK30	16.3	16.0
	280	88	2.1	916	1 550	1 100	1 500	23134RH	23134RHK	21.5	20.8
	280	109	2.1	1 090	1 940	1 100	1 500	24134RH	24134RHK30	25.4	25.0
	310	86	4	952	1 390	1 100	1 500	22234R	22234RK	29.0	28.4
	310	86	4	1 010	1 490	1 100	1 500	22234RHA	22234RHAK	27.1	26.5
	310	110	4	1 150	1 870	1 100	1 500	23234R	23234RK	37.5	36.5
	310	110	4	1 210	1 940	1 100	1 500	23234RHA	23234RHAK	35.6	34.6
	360	120	4	1 460	1 920	1 000	1 300	22334R	22334RK	62.0	60.8
	360	120	4	1 590	2 200	1 000	1 300	22334RHA	22334RHAK	57.3	56.1
180	250	52	2	479	939	1 300	1 700	23936R	23936RK	8.00	7.80
	280	74	2.1	768	1 330	1 100	1 400	23036RH	23036RHK	20.2	19.7
	280	100	2.1	984	1 830	1 100	1 400	24036RH	24036RHK30	21.4	21.0

Remark) Standard cage types used for the above bearings are shown in Table 5 earlier in this section.

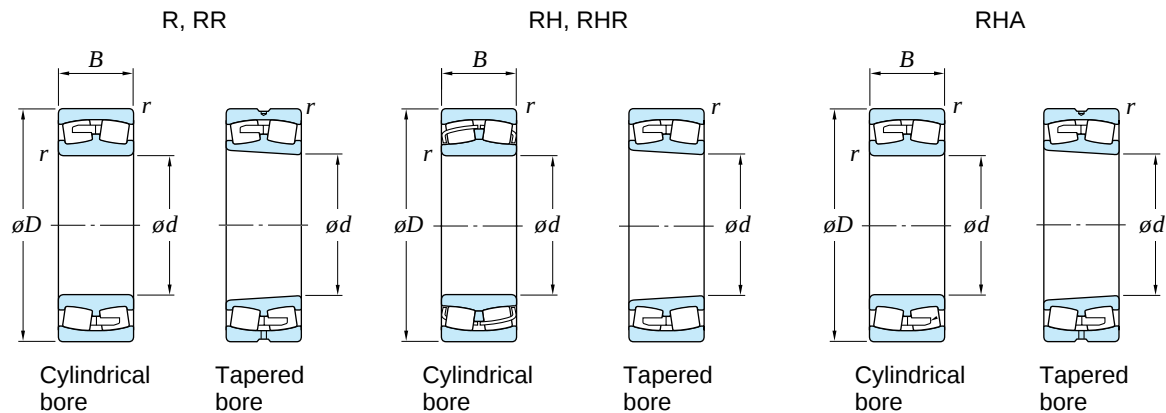
d (180) – (220) mm

Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (min ⁻¹)		Bearing No.		(Refer.) Mass (kg)	
<i>d</i>	<i>D</i>	<i>B</i>	<i>r</i> _{min.}	<i>C_r</i>	<i>C_{0r}</i>	Grease lub.	Oil lub.	Cylindrical bore	Tapered bore	Cylindrical bore	Tapered bore
180	300	96	3	1 000	1 800	1 100	1 500	23136R	23136RK	28.4	27.5
	300	96	3	1 060	1 790	1 100	1 500	23136RHA	23136RHAK	26.5	25.6
	300	118	3	1 160	2 010	1 000	1 400	24136R	24136RK30	33.3	32.7
	300	118	3	1 250	2 240	1 100	1 500	24136RHA	24136RHAK30	31.8	31.2
	320	86	4	978	1 450	1 100	1 400	22236R	22236RK	30.5	29.8
	320	86	4	1 060	1 610	1 100	1 400	22236RHA	22236RHAK	28.5	27.8
	320	112	4	1 190	1 980	1 100	1 400	23236R	23236RK	39.8	38.6
	320	112	4	1 320	2 170	1 100	1 400	23236RHA	23236RHAK	37.7	36.5
	380	126	4	1 740	2 360	920	1 200	22336R	22336RK	71.4	69.9
	380	126	4	1 740	2 410	930	1 200	22336RHA	22336RHAK	66.0	64.5
	260	52	2	486	969	1 200	1 600	23938R	23938RK	8.40	8.10
	290	75	2.1	736	1 370	1 100	1 500	23038R	23038RK	18.8	18.2
190	290	75	2.1	789	1 430	1 100	1 500	23038RHA	23038RHAK	17.2	16.6
	290	100	2.1	906	1 640	1 000	1 400	24038R	24038RK30	24.0	23.6
	290	100	2.1	1 010	1 920	1 100	1 500	24038RHA	24038RHAK30	22.4	22.0
	320	104	3	1 090	2 000	1 000	1 400	23138R	23138RK	35.5	34.4
	320	104	3	1 210	2 080	1 000	1 400	23138RHA	23138RHAK	33.2	32.1
	320	128	3	1 340	2 320	950	1 300	24138R	24138RK30	42.0	41.4
	320	128	3	1 460	2 630	1 000	1 400	24138RHA	24138RHAK30	40.1	39.5
	340	92	4	1 110	1 730	1 000	1 300	22238R	22238RK	37.4	36.6
	340	92	4	1 150	1 770	1 000	1 300	22238RHA	22238RHAK	34.9	34.1
	340	120	4	1 410	2 210	1 000	1 300	23238R	23238RK	47.4	46.0
	340	120	4	1 490	2 470	990	1 300	23238RHA	23238RHAK	44.9	43.5
	400	132	5	1 900	2 610	880	1 200	22338R	22338RK	84.1	82.4
200	400	132	5	1 940	2 810	870	1 200	22338RHA	22338RHAK	77.7	76.0
	280	60	2.1	601	1 190	1 100	1 500	23940R	23940RK	12.0	11.6
	310	82	2.1	890	1 670	1 000	1 400	23040R	23040RK	24.1	23.4
	310	82	2.1	940	1 680	1 100	1 400	23040RHA	23040RHAK	22.0	21.3
	310	109	2.1	1 030	1 900	950	1 300	24040R	24040RK30	30.5	30.0
	310	109	2.1	1 180	2 230	1 100	1 400	24040RHA	24040RHAK30	28.5	28.0
	340	112	3	1 240	2 250	980	1 300	23140R	23140RK	43.7	42.4
	340	112	3	1 380	2 340	970	1 300	23140RHA	23140RHAK	40.8	39.5
	340	140	3	1 450	2 490	890	1 200	24140R	24140RK30	51.9	51.1
	340	140	3	1 660	2 970	990	1 300	24140RHA	24140RHAK30	49.5	48.7
	360	98	4	1 230	1 930	930	1 200	22240R	22240RK	45.0	44.0
	360	98	4	1 310	2 030	940	1 300	22240RHA	22240RHAK	42.0	41.0
220	360	128	4	1 550	2 610	940	1 300	23240R	23240RK	58.1	56.4
	360	128	4	1 660	2 780	930	1 200	23240RHA	23240RHAK	55.1	53.4
	420	138	5	2 010	2 750	830	1 100	22340R	22340RK	95.4	93.5
	420	138	5	2 060	2 920	820	1 100	22340RHA	22340RHAK	88.1	86.2
	300	60	2.1	634	1 300	1 000	1 400	23944R	23944RK	13.0	12.6
	340	90	3	984	1 890	940	1 300	23044R	23044RK	31.5	30.6
	340	90	3	1 090	1 950	940	1 200	23044RHA	23044RHAK	28.8	27.9
	340	118	3	1 240	2 300	850	1 100	24044R	24044RK30	39.6	39.0
	340	118	3	1 380	2 630	950	1 300	24044RHA	24044RHAK30	37.0	36.4
	370	120	4	1 440	2 700	880	1 200	23144R	23144RK	54.8	53.2
	370	120	4	1 590	2 790	870	1 200	23144RHA	23144RHAK	51.2	49.6
	370	150	4	1 680	2 900	800	1 100	24144R	24144RK30	65.0	64.0

Remark) Standard cage types used for the above bearings are shown in Table 5 earlier in this section.

Spherical roller bearings

d (220) – (260) mm



Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (min ⁻¹)		Bearing No.		(Refer.) Mass (kg)	
d	D	B	r _{min.}	C _r	C _{0r}	Grease lub.	Oil lub.	Cylindrical bore	Tapered bore	Cylindrical bore	Tapered bore
220	370	150	4	1 920	3 550	880	1 200	24144RHA	24144RHAK30	62.0	61.0
	400	108	4	1 560	2 400	820	1 100	22244R	22244RK	63.0	61.7
	400	108	4	1 590	2 440	820	1 100	22244RHA	22244RHAK	58.8	57.5
	400	144	4	1 880	3 200	830	1 100	23244R	23244RK	81.6	79.2
	400	144	4	2 020	3 350	810	1 100	23244RHA	23244RHAK	77.4	75.0
	460	145	5	2 380	3 380	720	960	22344R	22344RK	124	122
	460	145	5	2 370	3 470	730	970	22344RHA	22344RHAK	115	113
	320	60	2.1	651	1 380	940	1 300	23948R	23948RK	14.0	13.5
	360	92	3	1 100	2 170	860	1 100	23048R	23048RK	34.9	33.8
	360	92	3	1 170	2 180	860	1 100	23048RHA	23048RHAK	31.9	30.9
240	360	118	3	1 310	2 530	780	1 000	24048R	24048RK30	42.4	41.8
	360	118	3	1 430	2 840	870	1 200	24048RHA	24048RHAK30	39.6	39.0
	400	128	4	1 630	3 080	790	1 100	23148R	23148RK	67.6	65.6
	400	128	4	1 810	3 200	790	1 000	23148RHA	23148RHAK	63.1	61.1
	400	160	4	1 970	3 500	720	960	24148R	24148RK30	80.3	79.0
	400	160	4	2 200	4 130	800	1 100	24148RHA	24148RHAK30	76.6	75.3
	440	120	4	1 920	2 940	730	970	22248R	22248RK	85.0	83.2
	440	120	4	1 920	2 990	730	970	22248RHA	22248RHAK	79.4	77.6
	440	160	4	2 340	3 990	730	970	23248R	23248RK	110	107
	440	160	4	2 460	4 130	730	970	23248RHA	23248RHAK	104	101
	500	155	5	2 610	4 020	650	870	22348R	22348RK	157	154
	500	155	5	2 720	3 990	650	870	22348RHA	22348RHAK	145	142
	360	75	2.1	914	1 880	820	1 100	23952R	23952RK	24.0	23.3
	400	104	4	1 330	2 570	760	1 000	23052R	23052RK	50.7	49.3
	400	104	4	1 470	2 720	760	1 000	23052RHA	23052RHAK	46.3	44.9
	400	140	4	1 690	3 240	690	920	24052R	24052RK30	64.6	63.7
260	400	140	4	1 860	3 670	770	1 000	24052RHA	24052RHAK30	60.3	59.4
	440	144	4	2 100	3 860	710	940	23152R	23152RK	93.6	90.8
	440	144	4	2 220	4 000	700	930	23152RHA	23152RHAK	87.4	84.6
	440	180	4	2 360	4 170	640	860	24152R	24152RK30	111	110
	440	180	4	2 650	4 950	720	950	24152RHA	24152RHAK30	106	105
	480	130	5	2 240	3 460	650	870	22252R	22252RK	110	108
	480	130	5	2 230	3 430	650	870	22252RHA	22252RHAK	103	101
	480	174	5	2 750	4 640	640	860	23252R	23252RK	144	140

Remark) Standard cage types used for the above bearings are shown in Table 5 earlier in this section.

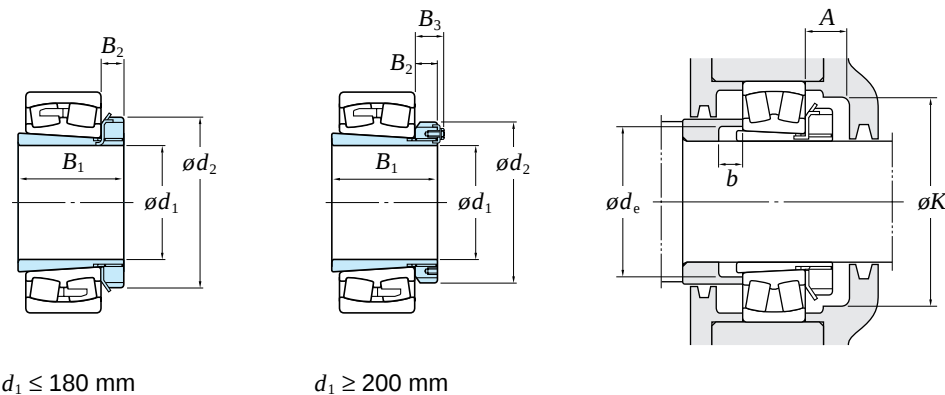
d (260) – 300 mm

Boundary dimensions (mm)				Basic load ratings (kN)		Limiting speeds (min ⁻¹)		Bearing No.		(Refer.) Mass (kg)	
d	D	B	$r_{min.}$	C_r	C_{0r}	Grease lub.	Oil lub.	Cylindrical bore	Tapered bore	Cylindrical bore	Tapered bore
260	480	174	5	2 870	4 900	650	860	23252RHA	23252RHAK	137	133
	540	165	6	2 830	4 380	590	780	22352R	22352RK	196	192
	540	165	6	3 120	4 620	580	780	22352RHA	22352RHAK	181	177
280	380	75	2.1	928	1 960	760	1 000	23956R	23956RK	26.0	25.2
	420	106	4	1 430	2 860	710	950	23056R	23056RK	54.5	52.9
	420	106	4	1 550	2 950	700	940	23056RHA	23056RHAK	49.8	48.2
	420	140	4	1 740	3 420	640	850	24056R	24056RK30	68.5	67.4
	420	140	4	1 960	4 000	710	950	24056RHA	24056RHAK30	64.0	62.9
	460	146	5	2 140	4 280	660	880	23156R	23156RK	100	96.9
	460	146	5	2 340	4 290	650	870	23156RHA	23156RHAK	93.4	90.3
	460	180	5	2 440	4 440	600	790	24156R	24156RK30	118	116
	460	180	5	2 740	5 240	660	880	24156RHA	24156RHAK30	113	112
	500	130	5	2 100	3 380	610	810	22256R	22256RK	114	112
	500	130	5	2 320	3 670	610	810	22256RHA	22256RHAK	106	104
	500	176	5	2 690	4 910	610	820	23256R	23256RK	153	149
	500	176	5	3 010	5 300	600	800	23256RHA	23256RHAK	145	141
	580	175	6	3 150	4 910	530	710	22356R	22356RK	229	225
	580	175	6	3 510	5 260	530	700	22356RHA	22356RHAK	212	208
	420	90	3	1 280	2 610	680	910	23960R	23960RK	40.0	38.8
	460	118	4	1 750	3 480	630	840	23060R	23060RK	75.8	73.7
	460	118	4	1 940	3 700	630	840	23060RHA	23060RHAK	68.9	66.8
300	460	160	4	2 240	4 370	570	760	24060R	24060RK30	97.1	95.5
	460	160	4	2 420	4 910	640	850	24060RHA	24060RHAK30	90.7	89.1
	500	160	5	2 490	4 850	590	790	23160R	23160RK	132	128
	500	160	5	2 730	4 970	580	780	23160RHA	23160RHAK	123	119
	500	200	5	2 990	5 520	530	710	24160R	24160RK30	157	155
	500	200	5	3 320	6 420	590	790	24160RHA	24160RHAK30	150	148
	540	140	5	2 690	4 330	550	740	22260R	22260RK	145	142
	540	140	5	2 650	4 360	550	740	22260RHA	22260RHAK	135	132
	540	192	5	3 430	5 910	540	720	23260R	23260RK	197	192
	540	192	5	3 530	6 280	540	720	23260RHA	23260RHAK	187	182
	620	185	7.5	3 910	5 430	470	630	22360R	22360RK	289	284

Remark) Standard cage types used for the above bearings are shown in Table 5 earlier in this section.

Adapter assemblies for spherical roller bearings

d_1 20 – (80) mm



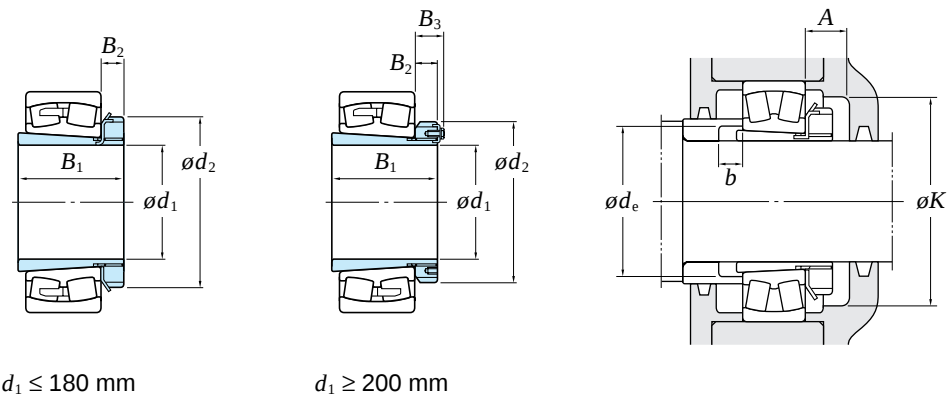
Boundary dimensions (mm)					Brg. bore (mm) d	Designations Bearing + adapter ass'y	Mounting dimensions (mm)				Mass Brg. + adapter ass'y (kg)	(Refer.)	
d_1	B_1	d_2	B_2	B_3			A min.	K min.	d_e min.	b min.		Adapter sleeve No.	Locknut No.
20	29	38	8	—	25	22205RHRK + H305X	15	45	29	5	0.290	A305X	AN05
25	31	45	8	—	30	22206RHRK + H306X	15	50	34	5	0.459	A306X	AN06
	31	45	8	—	30	21306RHK + H306X	15	50	34	6	0.479	A306X	AN06
30	35	52	9	—	35	22207RHRK + H307X	17	58	39	5	0.682	A307X	AN07
	35	52	9	—	35	21307RHK + H307X	17	58	39	7	0.642	A307X	AN07
35	36	58	10	—	40	22208RHRK + H308X	17	65	44	5	0.839	A308X	AN08
	36	58	10	—	40	21308RHK + H308X	17	65	44	5	0.888	A308X	AN08
	46	58	10	—	40	22308RHRK + H2308X	17	65	45	5	1.46	A2308X	AN08
40	39	65	11	—	45	22209RHRK + H309X	17	72	49	8	0.958	A309X	AN09
	39	65	11	—	45	21309RHK + H309X	17	72	49	5	1.19	A309X	AN09
	50	65	11	—	45	22309RHRK + H2309X	17	72	50	5	1.87	A2309X	AN09
45	42	70	12	—	50	22210RHRK + H310X	19	76	54	10	1.07	A310X	AN10
	42	70	12	—	50	21310RHK + H310X	19	76	54	5	1.48	A310X	AN10
	55	70	12	—	50	22310RHRK + H2310X	19	76	56	5	2.54	A2310X	AN10
50	45	75	12	—	55	22211RHRK + H311X	19	85	60	11	1.39	A311X	AN11
	45	75	12	—	55	21311RHK + H311X	19	85	60	6	1.93	A311X	AN11
	59	75	12	—	55	22311RHRK + H2311X	19	85	61	6	3.09	A2311X	AN11
55	47	80	13	—	60	22212RHRK + H312X	20	90	65	9	1.82	A312X	AN12
	47	80	13	—	60	21312RHK + H312X	20	90	65	5	2.31	A312X	AN12
	62	80	13	—	60	22312RHRK + H2312X	20	90	66	5	3.82	A2312X	AN12
60	50	85	14	—	65	22213RHRK + H313X	21	96	70	8	2.27	A313X	AN13
	50	85	14	—	65	21313RHK + H313X	21	96	70	5	2.87	A313X	AN13
	65	85	14	—	65	22313RHRK + H2313X	21	96	72	5	4.63	A2313X	AN13
65	55	98	15	—	75	22215RHRK + H315X	23	110	80	12	2.84	A315X	AN15
	55	98	15	—	75	21315RHK + H315X	23	110	80	5	4.33	A315X	AN15
	73	98	15	—	75	22315RHRK + H2315X	23	110	82	5	7.07	A2315X	AN15
70	59	105	17	—	80	22216RHRK + H316X	25	120	86	12	3.60	A316X	AN16
	59	105	17	—	80	21316RHK + H316X	25	120	86	5	5.17	A316X	AN16
	78	105	17	—	80	22316RHRK + H2316X	25	120	87	5	8.32	A2316X	AN16
75	63	110	18	—	85	22217RHRK + H317X	27	128	91	12	4.34	A317X	AN17
	63	110	18	—	85	21317RHK + H317X	27	128	91	6	6.11	A317X	AN17
	82	110	18	—	85	22317RHRK + H2317X	27	128	94	6	9.71	A2317X	AN17
80	65	120	18	—	90	22218RHRK + H318X	28	139	96	10	5.31	A318X	AN18

d_1 (80) – (150) mm

Boundary dimensions (mm)					Brg. bore (mm) d	Designations Bearing + adapter ass'y	Mounting dimensions (mm)				Mass Brg. + adapter ass'y (kg)	(Refer.)	
d_1	B_1	d_2	B_2	B_3			A min.	K min.	d_e min.	b min.		Adapter sleeve No.	Locknut No.
80	86	120	18	–	90	23218RHK + H2318X	28	139	99	18	6.16	A2318X	AN18
	65	120	18	–	90	21318RHK + H318X	28	139	96	6	7.08	A318X	AN18
	86	120	18	–	90	22318RHRK + H2318X	28	139	99	6	11.37	A2318X	AN18
85	68	125	19	–	95	22219RHRK + H319X	29	145	102	9	6.36	A319X	AN19
	68	125	19	–	95	21319RHK + H319X	29	145	102	7	8.61	A319X	AN19
	90	125	19	–	95	22319RHRK + H2319X	29	145	105	7	13.3	A2319X	AN19
90	71	130	20	–	100	22220RHRK + H320X	30	150	107	8	7.41	A320X	AN20
	97	130	20	–	100	23220RHK + H2320X	30	150	110	19	8.66	A2320X	AN20
	71	130	20	–	100	21320RHK + H320X	30	150	107	7	10.4	A320X	AN20
	97	130	20	–	100	22320RHRK + H2320X	30	150	110	7	16.6	A2320X	AN20
100	81	145	21	–	110	23122RHK + H3122X	32	170	117	7	7.62	A3122X	AN22
	77	145	21	–	110	22222RHRK + H322X	32	170	117	6	10.4	A322X	AN22
	105	145	21	–	110	23222RHK + H2322X	32	170	121	17	12.1	A2322X	AN22
	77	145	21	–	110	21322RHK + H322X	32	170	117	9	14.0	A322X	AN22
	105	145	21	–	110	22322RHRK + H2322X	32	170	121	7	22.5	A2322X	AN22
110	72	145	22	–	120	23024RHK + H3024	33	180	127	7	6.70	A3024	ANL24
	88	155	22	–	120	23124RHK + H3124	33	180	128	7	10.2	A3124	AN24
	88	155	22	–	120	22224RHRK + H3124	33	180	128	11	13.0	A3124	AN24
	112	155	22	–	120	23224RHK + H2324	33	180	131	17	14.8	A2324	AN24
	112	155	22	–	120	22324RHRK + H2324	33	180	131	7	26.8	A2324	AN24
115	80	155	23	–	130	23026RHK + H3026	34	190	137	8	9.97	A3026	ANL26
	92	165	23	–	130	23126RHK + H3126	34	190	138	8	11.9	A3126	AN26
	92	165	23	–	130	22226RHRK + H3126	34	190	138	8	16.7	A3126	AN26
	121	165	23	–	130	23226RHK + H2326	34	190	142	21	18.1	A2326	AN26
	121	165	23	–	130	22326RHRK + H2326	34	190	142	8	34.3	A2326	AN26
125	82	165	24	–	140	23028RHK + H3028	36	205	147	8	10.76	A3028	ANL28
	97	180	24	–	140	23128RHK + H3128	36	205	149	8	14.5	A3128	AN28
	97	180	24	–	140	22228RHRK + H3128	36	205	149	8	20.4	A3128	AN28
	131	180	24	–	140	23228RHK + H2328	36	205	152	22	23.5	A2328	AN28
	131	180	24	–	140	22328RK + H2328	36	205	152	8	41.1	A2328	AN28
135	87	180	26	–	150	23030RHK + H3030	37	220	158	8	13.15	A3030	ANL30
	111	195	26	–	150	23130RHK + H3130	37	220	160	8	21.0	A3130	AN30
	111	195	26	–	150	22230RHRK + H3130	37	220	160	15	25.7	A3130	AN30
	139	195	26	–	150	23230RHK + H2330	37	220	163	20	29.9	A2330	AN30
	139	195	26	–	150	22330RK + H2330	37	220	163	8	49.3	A2330	AN30
140	93	190	28	–	160	23032RHK + H3032	39	230	168	8	16.2	A3032	ANL32
	119	210	28	–	160	23132RHK + H3132	39	230	170	8	27.6	A3132	AN32
	119	210	28	–	160	22232RK + H3132	39	230	170	14	30.5	A3132	AN32
	119	210	28	–	160	22232RHAK + H3132	39	230	170	14	29.1	A3132	AN32
	147	210	28	–	160	23232RK + H2332	39	230	174	18	39.2	A2332	AN32
150	147	210	28	–	160	23232RHAK + H2332	39	230	174	18	37.6	A2332	AN32
	147	210	28	–	160	22332RK + H2332	39	230	174	8	60.1	A2332	AN32
	147	210	28	–	160	22332RHAK + H2332	39	230	174	8	56.2	A2332	AN32
	101	200	29	–	170	23034RHK + H3034	40	250	179	8	21.5	A3034	ANL34
	122	220	29	–	170	23134RHK + H3134	40	250	180	8	29.2	A3134	AN34
	122	220	29	–	170	22234RK + H3134	40	250	180	10	36.8	A3134	AN34

Adapter assemblies for spherical roller bearings

d_1 (150) – 180 mm



Boundary dimensions (mm)					Brg. bore (mm) d	Designations Bearing + adapter ass'y	Mounting dimensions (mm)				Mass Brg. + adapter ass'y (kg)	(Refer.)	
d_1	B_1	d_2	B_2	B_3			A min.	K min.	d_e min.	b min.		Adapter sleeve No.	Locknut No.
150	122	220	29	—	170	22234RHAK + H3134	40	250	180	10	34.9	A3134	AN34
	154	220	29	—	170	23234RK + H2334	40	250	185	18	46.7	A2334	AN34
	154	220	29	—	170	23234RHAK + H2334	40	250	185	18	44.8	A2334	AN34
	154	220	29	—	170	22234RK + H2334	40	250	185	8	71.0	A2334	AN34
	154	220	29	—	170	22234RHAK + H2334	40	250	185	8	66.3	A2334	AN34
	154	220	29	—	170	22234RHAK + H2334	40	250	185	8	66.3	A2334	AN34
160	109	210	30	—	180	23036RHK + H3036	41	260	189	8	26.5	A3036	ANL36
	131	230	30	—	180	23136RK + H3136	41	260	191	8	37.0	A3136	AN36
	131	230	30	—	180	23136RHAK + H3136	41	260	191	8	35.1	A3136	AN36
	131	230	30	—	180	22236RK + H3136	41	260	191	18	39.3	A3136	AN36
	131	230	30	—	180	22236RHAK + H3136	41	260	191	18	37.3	A3136	AN36
	161	230	30	—	180	23236RK + H2336	41	260	195	22	49.9	A2336	AN36
	161	230	30	—	180	23236RHAK + H2336	41	260	195	22	47.8	A2336	AN36
	161	230	30	—	180	22236RK + H2336	41	260	195	8	81.2	A2336	AN36
	161	230	30	—	180	22236RHAK + H2336	41	260	195	8	75.8	A2336	AN36
	161	230	30	—	180	22236RHAK + H2336	41	260	195	8	75.8	A2336	AN36
	161	230	30	—	180	22236RHAK + H2336	41	260	195	8	75.8	A2336	AN36
	161	230	30	—	180	22236RHAK + H2336	41	260	195	8	75.8	A2336	AN36
170	112	220	31	—	190	23038RK + H3038	43	270	199	9	25.7	A3038	ANL38
	112	220	31	—	190	23038RHAK + H3038	43	270	199	9	24.1	A3038	ANL38
	141	240	31	—	190	23138RK + H3138	43	270	202	9	45.2	A3138	AN38
	141	240	31	—	190	23138RHAK + H3138	43	270	202	9	42.9	A3138	AN38
	141	240	31	—	190	22238RK + H3138	43	270	202	21	47.4	A3138	AN38
	141	240	31	—	190	22238RHAK + H3138	43	270	202	21	44.9	A3138	AN38
	169	240	31	—	190	23238RK + H2338	43	270	206	21	58.6	A2338	AN38
	169	240	31	—	190	23238RHAK + H2338	43	270	206	21	56.1	A2338	AN38
	169	240	31	—	190	22238RK + H2338	43	270	206	9	95.0	A2338	AN38
	169	240	31	—	190	22238RHAK + H2338	43	270	206	9	88.6	A2338	AN38
	169	240	31	—	190	22238RHAK + H2338	43	270	206	9	88.6	A2338	AN38
	169	240	31	—	190	22238RHAK + H2338	43	270	206	9	88.6	A2338	AN38
180	120	240	32	—	200	23040RK + H3040	46	280	210	10	32.6	A3040	ANL40
	120	240	32	—	200	23040RHAK + H3040	46	280	210	10	30.5	A3040	ANL40
	150	250	32	—	200	23140RK + H3140	46	280	212	10	54.5	A3140	AN40
	150	250	32	—	200	23140RHAK + H3140	46	280	212	10	51.6	A3140	AN40
	150	250	32	—	200	22240RK + H3140	46	280	212	24	56.1	A3140	AN40
	150	250	32	—	200	22240RHAK + H3140	46	280	212	24	53.1	A3140	AN40
	176	250	32	—	200	23240RK + H2340	46	280	216	20	70.3	A2340	AN40
	176	250	32	—	200	23240RHAK + H2340	46	280	216	20	67.3	A2340	AN40
	176	250	32	—	200	22240RK + H2340	46	280	216	10	107	A2340	AN40
	176	250	32	—	200	22240RHAK + H2340	46	280	216	10	100	A2340	AN40
	176	250	32	—	200	22240RHAK + H2340	46	280	216	10	100	A2340	AN40
	176	250	32	—	200	22240RHAK + H2340	46	280	216	10	100	A2340	AN40

d_1 200 – 280 mm

Boundary dimensions (mm)					Brg. bore (mm) d	Designations Bearing + adapter ass'y	Mounting dimensions (mm)				Mass Brg. + adapter ass'y (kg)	(Refer.)	
d_1	B_1	d_2	B_2	B_3			A min.	K min.	d_e min.	b min.		Adapter sleeve No.	Locknut No.
200	128	260	30	41	220	23044RK + H3044	—	—	231	12	40.9	A3044	ANL44
	128	260	30	41	220	23044RHAK + H3044	—	—	231	12	38.2	A3044	ANL44
	158	280	32	44	220	23144RK + H3144	—	—	233	10	67.9	A3144	AN44
	158	280	32	44	220	23144RHAK + H3144	—	—	233	10	64.3	A3144	AN44
	158	280	32	44	220	22244RK + H3144	—	—	233	22	76.4	A3144	AN44
	158	280	32	44	220	22244RHAK + H3144	—	—	233	22	72.2	A3144	AN44
	183	280	32	44	220	23244RK + H2344	—	—	236	11	95.9	A2344	AN44
	183	280	32	44	220	23244RHAK + H2344	—	—	236	11	91.7	A2344	AN44
	183	280	32	44	220	22344RK + H2344	—	—	236	10	139	A2344	AN44
	183	280	32	44	220	22344RHAK + H2344	—	—	236	10	130	A2344	AN44
	133	290	34	46	240	23048RK + H3048	—	—	251	11	47.0	A3048	ANL48
	133	290	34	46	240	23048RHAK + H3048	—	—	251	11	44.1	A3048	ANL48
	169	300	34	46	240	23148RK + H3148	—	—	254	11	82.9	A3148	AN48
	169	300	34	46	240	23148RHAK + H3148	—	—	254	11	78.4	A3148	AN48
	169	300	34	46	240	22248RK + H3148	—	—	254	19	101	A3148	AN48
220	169	300	34	46	240	22248RHAK + H3148	—	—	254	19	94.9	A3148	AN48
	196	300	34	46	240	23248RK + H2348	—	—	257	6	127	A2348	AN48
	196	300	34	46	240	23248RHAK + H2348	—	—	257	6	121	A2348	AN48
	196	300	34	46	240	22348RK + H2348	—	—	257	11	174	A2348	AN48
	196	300	34	46	240	22348RHAK + H2348	—	—	257	11	162	A2348	AN48
	147	310	34	46	260	23052RK + H3052	—	—	272	13	64.6	A3052	ANL52
	147	310	34	46	260	23052RHAK + H3052	—	—	272	13	60.2	A3052	ANL52
	187	330	36	49	260	23152RK + H3152	—	—	276	11	113	A3152	AN52
	187	330	36	49	260	23152RHAK + H3152	—	—	276	11	107	A3152	AN52
	187	330	36	49	260	22252RK + H3152	—	—	276	25	130	A3152	AN52
	187	330	36	49	260	22252RHAK + H3152	—	—	276	25	123	A3152	AN52
	208	330	36	49	260	23252RK + H2352	—	—	278	2	164	A2352	AN52
	208	330	36	49	260	23252RHAK + H2352	—	—	278	2	157	A2352	AN52
	208	330	36	49	260	22352RK + H2352	—	—	278	11	216	A2352	AN52
	208	330	36	49	260	22352RHAK + H2352	—	—	278	11	201	A2352	AN52
240	152	330	38	50	280	23056RK + H3056	—	—	292	12	70.6	A3056	ANL56
	152	330	38	50	280	23056RHAK + H3056	—	—	292	12	65.9	A3056	ANL56
	192	350	38	51	280	23156RK + H3156	—	—	296	12	121	A3156	AN56
	192	350	38	51	280	23156RHAK + H3156	—	—	296	12	115	A3156	AN56
	192	350	38	51	280	22256RK + H3156	—	—	296	28	137	A3156	AN56
	192	350	38	51	280	22256RHAK + H3156	—	—	296	28	129	A3156	AN56
	221	350	38	51	280	23256RK + H2356	—	—	299	11	177	A2356	AN56
	221	350	38	51	280	23256RHAK + H2356	—	—	299	11	169	A2356	AN56
	221	350	38	51	280	22356RK + H2356	—	—	299	12	253	A2356	AN56
	221	350	38	51	280	22356RHAK + H2356	—	—	299	12	236	A2356	AN56
	168	360	42	54	300	23060RK + H3060	—	—	313	12	96.5	A3060	ANL60
	168	360	42	54	300	23060RHAK + H3060	—	—	313	12	89.6	A3060	ANL60
	208	380	40	53	300	23160RK + H3160	—	—	317	12	158	A3160	AN60
	208	380	40	53	300	23160RHAK + H3160	—	—	317	12	149	A3160	AN60
	208	380	40	53	300	22260RK + H3160	—	—	317	32	172	A3160	AN60
260	208	380	40	53	300	22260RHAK + H3160	—	—	317	32	162	A3160	AN60
	240	380	40	53	300	23260RK + H3260	—	—	321	12	226	A3260	AN60
	240	380	40	53	300	23260RHAK + H3260	—	—	321	12	216	A3260	AN60



***Ultrahigh-functionality bearings
for revolutionizing industrial
machinery and equipment.
This is the JHS Series.***

Aiming to ensure extremely high performance, we utilize advanced designs and processing technologies in the development of new materials.

Improved roller fatigue life. Superior toughness and corrosion resistance. Moreover, compared to other bearings, the JTEKT Hyper Strong (JHS) Series is a new-generation bearing providing unparalleled high capacity, abrasion resistance and high-speed performance.

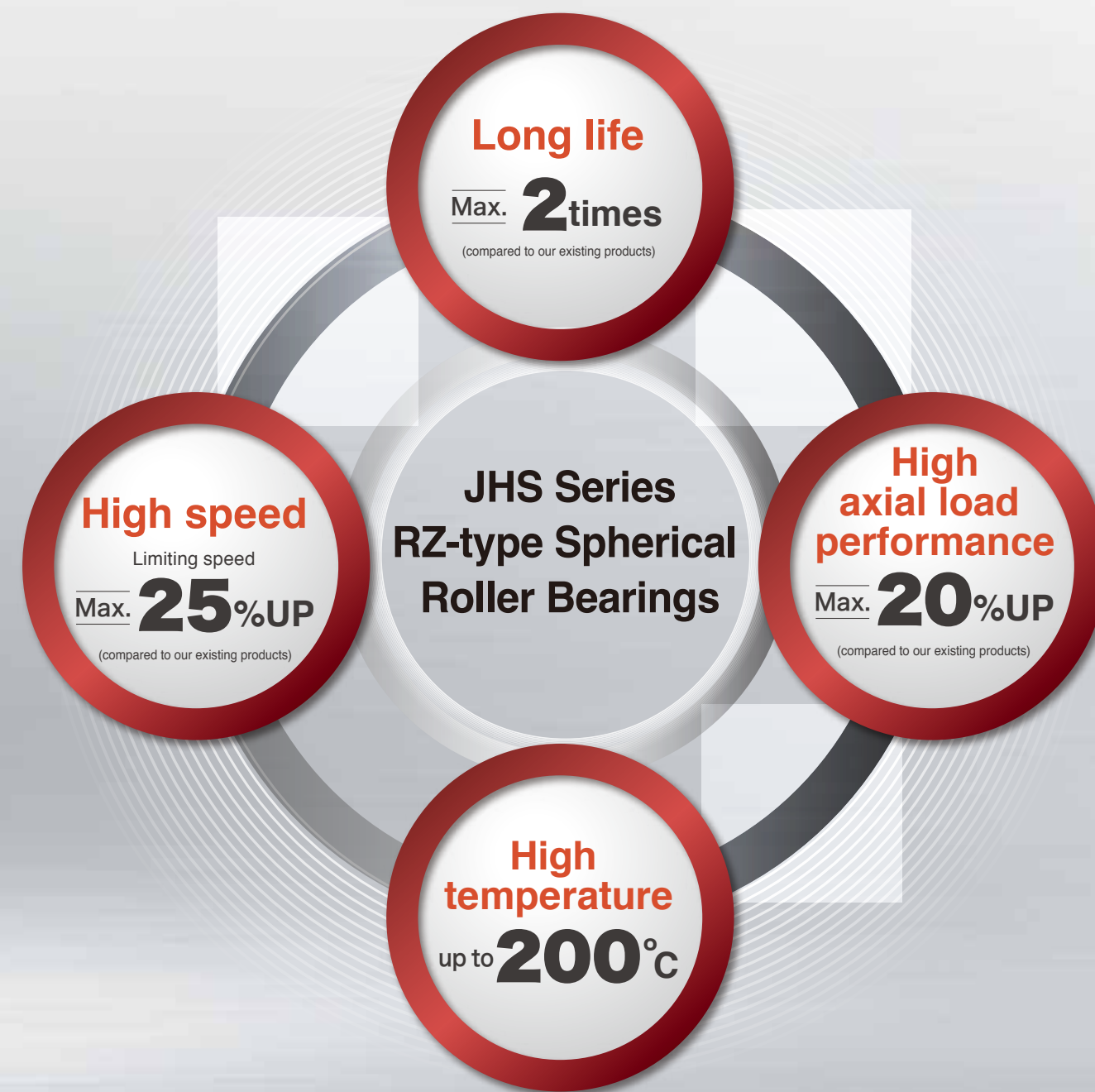
JHS bearings support faster innovation, improvement and streamlining at manufacturing sites everywhere.





Hyper functionality worthy of the JHS Series name. New RZ-type Spherical Roller Bearing Lineup Debuts

More compact, yet same capacity. Same size, but with high speed and long life. Additionally, the load on the cooling system has been reduced. We are also responding to a variety of needs such as improving quality and productivity onsite, streamlining and saving energy.



JHS Series RZ-type Spherical Roller Bearings

Features

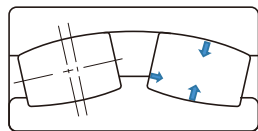
RZ-type Spherical Roller Bearings are the newest in our line of JHS Series Spherical Roller Bearings, joining the popular R and RH types satisfying our customers' needs to date. The bearings have an optimal internal design, excellent roller position stability and a standardized dimension stabilizing treatment that enable high-speed rotation, enhanced axial load performance, a long life and the ability to be used in high-temperature applications.

R-type

Features High speed / High performance for axial load

Structure

- Asymmetrical roller
- With center guide rib



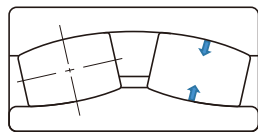
Roller load: Balanced using three-point support

RH-type

Features High performance for radial load

Structure

- Symmetrical roller
- Without center guide rib (floating guide ring)



Roller load: Balanced using two-point support

Optimal internal design

Dynamic load rating/static load rating increased through design optimization

RZ-type compared to existing products

Dynamic load rating

Max. **1.15 times**
(compared to our existing products)

Static load rating

Max. **1.30 times**
(compared to our existing products)

Roller position stabilized

Controls roller behavior using optimized raceway curvature

High temperature

Dimension stabilizing adopted as standard treatment, realizing applicability in temperatures as high as 200°C and expanding use to a wider variety of environments.

RZ-type

Features

Developed bearings have not only maximized load ratings like the RH-type, but also high speed / high performance characteristics for the axial load, like the R-type.

Structure

- Symmetrical roller
- Roller maximized / Number of rollers increased
- Roller position stabilized
- Without center guide rib (floating guide ring)

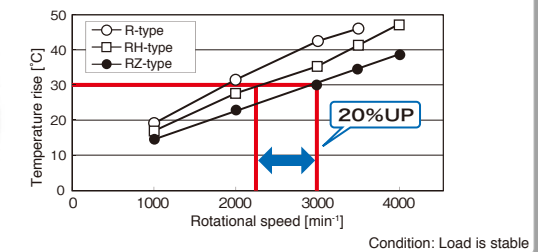


Long life

Max. **2 times**
(compared to our existing products)

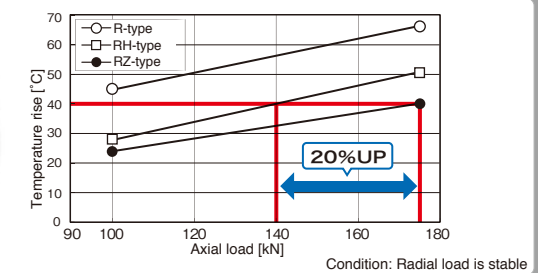
High speed

Limiting speed
Max. **25%UP**
(compared to our existing products)



High axial load performance

Max. **20%UP**
(compared to our existing products)



High temperature

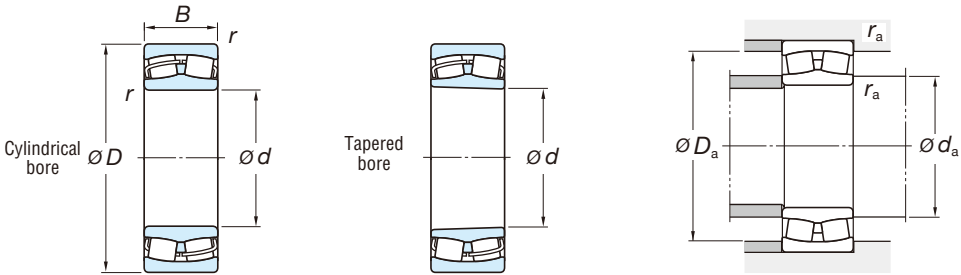
up to **200°C**



Dimensions tables of JHS Series RZ-type Spherical Roller Bearings

($\varnothing d25\sim d180\text{mm}$)

$\varnothing d25\sim d95\text{mm}$

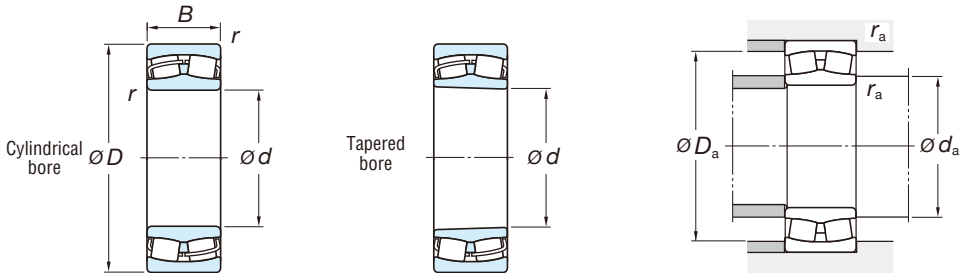


Boundary dimensions (mm)				Basic load ratings (kN)		Fatigue load limit (kN)	Limiting speeds (min ⁻¹)		Bearing no.		Mounting dimensions (mm)					Constant	Axial load factors			(Refer) Mass (kg)	
d	D	B	r min.	C_r	C_{Gr}	C_u	Grease lub.	Oil lub.	Cylindrical bore	Tapered bore	d_a min.	d_a max.	D_a max.	D_a min.	r_a max.	e	Y_1	Y_2	Y_0	Cylindrical bore	Tapered bore
25	52	18	1	56.8	48.1	3.90	9 600	12 800	22205RZ	22205RZK	31	31	46	46	1	0.35	1.91	2.85	1.87	0.188	0.184
30	62	20	1	76.5	65.9	5.30	8 100	10 900	22206RZ	22206RZK	36	36	56	56	1	0.33	2.04	3.04	2.00	0.296	0.29
	72	19	1.1	74.2	62.7	4.80	7 200	9 600	21306RZ	21306RZK	37	41	65	62	1	0.27	2.49	3.71	2.43	0.43	0.424
35	72	23	1.1	100	88.7	7.75	6 900	9 200	22207RZ	22207RZK	42	42	65	64	1	0.32	2.09	3.11	2.04	0.459	0.449
	80	21	1.5	87	75.8	5.90	6 200	8 300	21307RZ	21307RZK	44	46	71	69	1.5	0.27	2.49	3.71	2.43	0.572	0.564
40	80	23	1.1	114	102	9.55	6 200	8 300	22208RZ	22208RZK	47	49	73	73	1	0.28	2.37	3.53	2.32	0.602	0.591
	90	23	1.5	105	92.8	7.55	5 600	7 600	21308RZ	21308RZK	49	53	81	77	1.5	0.26	2.55	3.80	2.50	0.781	0.77
	90	33	1.5	170	152	11.8	5 600	7 600	22308RZ	22308RZK	49	51	81	79	1.5	0.37	1.83	2.72	1.79	1.08	1.06
45	85	23	1.1	120	110	10.2	5 800	7 700	22209RZ	22209RZK	52	53	78	78	1	0.26	2.55	3.80	2.50	0.602	0.59
	100	25	1.5	132	121	10.0	5 000	6 700	21309RZ	21309RZK	54	60	91	86	1.5	0.26	2.62	3.90	2.56	1.05	1.04
	100	36	1.5	208	183	13.8	5 100	6 700	22309RZ	22309RZK	54	55	91	87	1.5	0.37	1.83	2.72	1.79	1.42	1.39
50	90	23	1.1	128	122	12.7	5 400	7 200	22210RZ	22210RZK	57	58	83	83	1	0.24	2.79	4.15	2.73	0.648	0.634
	110	27	2	157	147	12.0	4 500	6 100	21310RZ	21310RZK	60	67	100	95	2	0.25	2.71	4.04	2.65	1.37	1.35
	110	40	2	255	237	17.5	4 500	6 200	22310RZ	22310RZK	60	62	100	96	2	0.36	1.85	2.76	1.81	1.92	1.88
55	100	25	1.5	155	144	15.0	4 700	6 300	22211RZ	22211RZK	64	64	91	91	1.5	0.24	2.84	4.23	2.78	0.867	0.849
	120	29	2	181	165	13.0	4 100	5 600	21311RZ	21311RZK	65	71	110	102	2	0.25	2.71	4.03	2.65	1.69	1.67
	120	43	2	295	264	21.1	4 100	5 500	22311RZ	22311RZK	65	66	110	104	2	0.36	1.85	2.76	1.81	2.4	2.35
60	110	28	1.5	191	181	18.7	4 300	5 800	22212RZ	22212RZK	69	70	101	100	1.5	0.25	2.74	4.08	2.68	1.19	1.17
	130	31	2.1	210	193	15.1	3 900	5 100	21312RZ	21312RZK	72	77	118	110	2	0.24	2.78	4.14	2.72	2.11	2.08
	130	46	2.1	354	334	24.9	3 900	5 100	22312RZ	22312RZK	72	73	118	113	2	0.36	1.86	2.77	1.82	3.06	2.99
65	120	31	1.5	223	211	20.7	4 000	5 200	22213RZ	22213RZK	74	76	111	109	1.5	0.25	2.69	4.00	2.63	1.55	1.52
	140	33	2.1	242	232	19.8	3 600	4 700	21313RZ	21313RZK	77	85	128	119	2	0.24	2.83	4.21	2.76	2.62	2.58
	140	48	2.1	382	360	30.8	3 600	4 700	22313RZ	22313RZK	77	79	128	122	2	0.34	1.98	2.94	1.93	3.66	3.58
70	125	31	1.5	233	222	24.4	3 700	5 000	22214RZ	22214RZK	79	80	116	114	1.5	0.24	2.87	4.27	2.80	1.64	1.61
	150	35	2.1	269	260	21.6	3 300	4 400	21314RZ	21314RZK	82	91	138	127	2	0.24	2.84	4.23	2.78	3.19	3.15
	150	51	2.1	434	413	35.0	3 300	4 400	22314RZ	22314RZK	82	85	138	131	2	0.34	1.98	2.94	1.93	4.45	4.36
75	130	31	1.5	241	236	28.2	3 600	4 700	22215RZ	22215RZK	84	85	121	119	1.5	0.22	3.07	4.57	3.00	1.73	1.69
	160	37	2.1	307	298	24.3	3 000	4 100	21315RZ	21315RZK	87	98	148	138	2	0.24	2.87	4.27	2.80	3.81	3.76
	160	55	2.1	492	473	38.4	3 000	4 100	22315RZ	22315RZK	87	91	148	140	2	0.35	1.95	2.90	1.91	5.45	5.33
80	140	33	2	271	271	30.5	3 300	4 400	22216RZ	22216RZK	90	92	130	128	2	0.22	3.07	4.57	3.00	2.17	2.13
	140	44.4	2	305	342	31.2	3 300	4 400	23216RZ	23216RZK	90	93	130	124	2	0.29	2.35	3.50	2.30	2.95	2.86
	170	39	2.1	344	339	27.5	2 900	3 900	21316RZ	21316RZK	92	104	158	146	2	0.23	2.88	4.29	2.82	4.53	4.47
	170	58	2.1	539	521	41.7	2 900	3 900	22316RZ	22316RZK	92	97	158	148	2	0.35	1.95	2.90	1.91	6.44	6.3
85	150	36	2	322	324	35.7	3 000	4 100	22217RZ	22217RZK	95	97	140	137	2	0.22	3.01	4.48	2.94	2.75	2.69
	150	49.2	2	358	410	36.2	3 000	4 100	23217RZ	23217RZK	95	99	140	134	2	0.30	2.25	3.34	2.20	3.78	3.67
	180	41	3	375	372	29.6	2 800	3 600	21317RZ	21317RZK	99	109	166	154	2.5	0.23	2.89	4.33	2.83	5.32	5.25
	180	60	3	601	586	47.8	2 800	3 600	22317RZ	22317RZK	99	103	166	157	2.5	0.33	2.02	3.00	1.97	7.47	7.31
90	160	40	2	373	381	39.2	2 900	3 900	22218RZ	22218RZK	100	104	150	145	2	0.24	2.79	4.15	2.73	3.5	3.43
	160	52.4	2	420	482	42.9	2 900	3 900	23218RZ	23218RZK	100	103	150	141	2	0.32	2.14	3.19	2.09	4.63	4.5
	190	43	3	413	416	32.9	2 600	3 400	21318RZ	21318RZK	104	116	176	162	2.5	0.23	2.91	4.30	2.84	6.2	6.11
	190	64	3	672	662	50.5	2 600	3 400	22318RZ	22318RZK	104	108	176	166	2.5	0.34	2.00	2.98	1.96	8.82	8.63
95	170	43	2.1	418	422	42.7	2 800	3 600	22219RZ	22219RZK	107	109	158	154	2	0.24	2.76	4.11	2.70	4.24	4.15
	170	55.6	2.1	457	516	43.9	2 800	3 600	23219RZ	23219RZK	107	110	158	150	2	0.30	2.25	3.34	2.20	5.5	5.35
	200	45	3	453	461	36.3	2 500	3 200	21319RZ	21319RZK	109	123	186	171	2.5	0.23	2.92	4.35	2.86	7.16	7.06
	200	67	3	733	726	55.6	2 500	3 200	22319RZ	22319RZK	109	114	186	174	2.5	0.33	2.02	3.00	1.97	10.2	9.98

Dimensions tables of JHS Series RZ-type Spherical Roller Bearings

($\varnothing d25\sim d180\text{mm}$)

$\varnothing d100\sim d180\text{mm}$



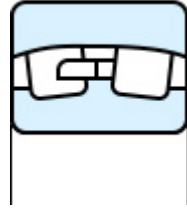
Boundary dimensions (mm)				Basic load ratings (kN)		Fatigue load limit (kN)	Limiting speeds (min ⁻¹)		Bearing no.		Mounting dimensions (mm)					Constant	Axial load factors			(Refer) Mass (kg)	
d	D	B	r min.	C_r	C_{0r}	C_u	Grease lub.	Oil lub.	Cylindrical bore	Tapered bore	d_a		D_a		r_a	e	Y_1	Y_2	Y_0	Cylindrical bore	Tapered bore
100	150	37	1.5	262	332	33.7	2 900	3 900	23020RZ	23020RZK	109	110	141	138	1.5	0.22	3.01	4.48	2.94	2.34	2.27
	165	52	2	412	510	48.5	2 800	3 600	23120RZ	23120RZK	110	114	155	147	2	0.29	2.33	3.47	2.28	4.52	4.38
	180	46	2.1	470	481	47.6	2 600	3 400	22220RZ	22220RZK	112	115	168	163	2	0.25	2.74	4.08	2.68	5.11	5
	180	60.3	2.1	533	629	53.5	2 600	3 400	23220RZ	23220RZK	112	116	168	157	2	0.32	2.09	3.11	2.04	6.85	6.66
	215	47	3	519	524	40.2	2 200	3 000	21320RZ	21320RZK	114	131	201	184	2.5	0.22	3.02	4.49	2.95	8.79	8.68
	215	73	3	875	877	63.9	2 200	3 000	22320RZ	22320RZK	114	121	201	187	2.5	0.35	1.95	2.90	1.91	13.2	12.9
110	170	45	2	377	486	48.4	2 600	3 400	23022RZ	23022RZK	120	123	160	156	2	0.24	2.84	4.23	2.78	3.85	3.74
	170	60	2	472	647	58.6	2 600	3 600	24022RZ	24022RZK	120	120	160	151	2	0.32	2.08	3.10	2.04	5.07	4.99
	180	56	2	481	605	53.7	2 500	3 300	23122RZ	23122RZK	120	125	170	161	2	0.29	2.36	3.51	2.31	5.72	5.54
	180	69	2	566	778	63.4	2 500	3 300	24122RZ	24122RZK	120	120	170	154	2	0.37	1.84	2.74	1.80	6.98	6.87
	200	53	2.1	613	642	58.7	2 300	3 000	22222RZ	22222RZK	122	127	188	180	2	0.26	2.64	3.93	2.58	7.37	7.21
	200	69.8	2.1	672	792	65.4	2 300	3 000	23222RZ	23222RZK	122	127	188	173	2	0.34	1.99	2.96	1.94	9.76	9.48
	240	50	3	604	616	46.0	1 900	2 600	21322RZ	21322RZK	124	147	226	205	2.5	0.21	3.19	4.75	3.12	11.8	11.7
	240	80	3	1 040	1 040	77.7	1 900	2 600	22322RZ	22322RZK	124	136	226	208	2.5	0.33	2.03	3.02	1.98	18.1	17.7
120	180	46	2	392	524	51.6	2 300	3 200	23024RZ	23024RZK	130	132	170	165	2	0.23	2.95	4.40	2.89	4.2	4.07
	180	60	2	482	709	61.8	2 300	3 200	24024RZ	24024RZK	130	130	170	160	2	0.30	2.23	3.32	2.18	5.43	5.34
	200	62	2	568	714	61.2	2 200	3 000	23124RZ	23124RZK	130	137	190	176	2	0.29	2.34	3.49	2.29	7.98	7.74
	200	80	2	730	1 020	78.6	2 200	3 000	24124RZ	24124RZK	130	133	190	172	2	0.38	1.75	2.61	1.72	10.2	10
	215	58	2.1	707	764	67.2	2 100	2 800	22224RZ	22224RZK	132	138	203	193	2	0.26	2.60	3.87	2.54	9.31	9.1
	215	76	2.1	771	956	78.9	2 100	2 900	23224RZ	23224RZK	132	139	203	185	2	0.34	1.97	2.94	1.93	12.2	11.8
	260	86	3	1 120	1 130	87.2	1 800	2 500	22324RZ	22324RZK	134	149	246	228	2.5	0.33	2.03	3.02	1.98	22.8	22.3
130	200	52	2	506	674	63.6	2 200	2 900	23026RZ	23026RZK	140	145	190	182	2	0.24	2.87	4.27	2.80	6.15	5.97
	200	69	2	621	914	77.3	2 200	2 900	24026RZ	24026RZK	140	143	190	177	2	0.32	2.14	3.18	2.09	8.03	7.9
	210	64	2	618	799	68.4	2 100	2 800	23126RZ	23126RZK	140	147	200	187	2	0.28	2.42	3.61	2.37	8.71	8.44
	210	80	2	750	1 080	91.8	2 100	2 800	24126RZ	24126RZK	140	145	200	184	2	0.36	1.90	2.83	1.86	10.8	10.6
	230	64	3	822	914	74.4	1 900	2 600	22226RZ	22226RZK	144	148	216	206	2.5	0.26	2.55	3.80	2.50	11.6	11.3
	230	80	3	878	1 090	89.4	1 900	2 600	23226RZ	23226RZK	144	151	216	201	2.5	0.33	2.05	3.05	2.00	14.4	14
	280	93	4	1 310	1 340	98.6	1 700	2 200	22326RZ	22326RZK	148	160	262	245	3	0.33	2.03	3.02	1.98	28.5	27.9
140	210	53	2	527	723	67.9	2 100	2 800	23028RZ	23028RZK	150	155	200	192	2	0.23	2.98	4.44	2.92	6.62	6.42
	210	69	2	636	957	81.7	2 100	2 800	24028RZ	24028RZK	150	153	200	188	2	0.30	2.28	3.39	2.23	8.49	8.35
	225	68	2.1	706	940	79.6	1 900	2 600	23128RZ	23128RZK	152	158	213	201	2	0.28	2.45	3.65	2.40	10.6	10.3
	225	85	2.1	849	1 220	90.7	1 900	2 600	24128RZ	24128RZK	152	153	213	194	2	0.36	1.89	2.82	1.85	13.1	12.9
	250	68	3	948	1 030	85.2	1 800	2 300	22228RZ	22228RZK	154	158	236	224	2.5	0.26	2.60	3.87	2.54	14.5	14.2
	250	88	3	1 010	1 290	103	1 800	2 300	23228RZ	23228RZK	154	161	236	214	2.5	0.34	1.99	2.96	1.95	19	18.4
150	225	56	2.1	576	797	76.3	1 900	2 500	23030RZ	23030RZK	162	166	213	205	2	0.22	3.04	4.53	2.97	8.01	7.77
	225	75	2.1	720	1 100	90.3	1 900	2 500	24030RZ	24030RZK	162	163	213	199	2	0.30	2.23	3.32	2.18	10.6	10.4
	250	80	2.1	897	1 230	102	1 800	2 300	23130RZ	23130RZK	162	171	238	216	2	0.30	2.24	3.34	2.19	16.4	15.9
	250	100	2.1	1 100	1 590	116	1 800	2 300	24130RZ	24130RZK	162	166	238	213	2	0.38	1.77	2.64	1.73	19.9	19.6
	270	73	3	1 080	1 200	102	1 700	2 200	22230RZ	22230RZK	164	172	256	243	2.5	0.25	2.69	4.00	2.63	18.9	18.5
	270	96	3	1 200	1 540	121	1 700	2 200	23230RZ	23230RZK	164	173	256	230	2.5	0.34	1.96	2.93	1.92	24.5	23.8
160	240	60	2.1	663	924	86.0	1 800	2 300	23032RZ	23032RZK	172	177	228	219	2	0.22	3.01	4.48	2.94	9.74	9.44
	240	80	2.1	825	1 270	103	1 800	2 300	24032RZ	24032RZK	172	175	228	215	2	0.30	2.24	3.34	2.19	12.9	12.7
	270	86	2.1	1 060	1 430	117	1 700	2 200	23132RZ	23132RZK	172	182	258	234	2	0.30	2.22	3.30	2.17	20.8	20.2
170	260	67	2.1	790	1 090	97.9	1 700	2 200	23034RZ	23034RZK	182	189	248	236	2	0.23	2.90	4.31	2.83	13.2	12.8
	260	90	2.1	1 000	1 540	120	1 700	2 200	24034RZ	24034RZK	182	184	248	227	2	0.32	2.11	3.15	2.07	17.5	17.2
	280	88	2.1	1 150	1 550	124	1 500	2 100	23134RZ	23134RZK	182	194	268	249	2	0.29	2.30	3.43	2.25	21.9	21.2
180	280	74	2.1	960	1 330	118	1 500	1 900	23036RZ	23036RZK	192	202	268	253	2	0.24	2.84	4.23	2.78	17.4	16.9

Spherical Roller Bearings



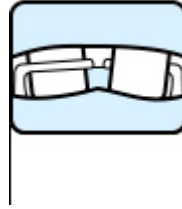
The spherical roller bearing has a high load rating and self-aligning ability, therefore it is suitable for applications at low/medium speed which involve heavy load and impact.

Asymmetrical rollers

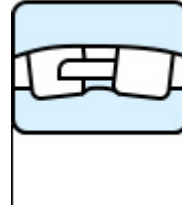


R,RR

Symmetrical rollers

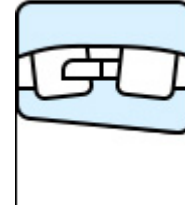


RZ



RHA

Taper bore



K or K30

23900R / 23000R(RZ,RHA) / 23100R(RZ,RHA) / 22200R(RZ,RHA) / 21300R(RH) / 24000R(RZ,RHA) /
24100R(RZ,RHA) / 23200R(RZ,RHA) / 22300R(RZ,RHA)

Bearing No.	Classification[1]	Classification[2]	Classification[3]
22205RZ	Spherical roller bearings	Spherical roller bearings	
22206RZ	Spherical roller bearings	Spherical roller bearings	
21306RZ	Spherical roller bearings	Spherical roller bearings	
22207RZ	Spherical roller bearings	Spherical roller bearings	
21307RZ	Spherical roller bearings	Spherical roller bearings	
22208RZ	Spherical roller bearings	Spherical roller bearings	
21308RZ	Spherical roller bearings	Spherical roller bearings	
22308RZ	Spherical roller bearings	Spherical roller bearings	
22209RZ	Spherical roller bearings	Spherical roller bearings	
21309RZ	Spherical roller bearings	Spherical roller bearings	
22309RZ	Spherical roller bearings	Spherical roller bearings	
22210RZ	Spherical roller bearings	Spherical roller bearings	
21310RZ	Spherical roller bearings	Spherical roller bearings	
22310RZ	Spherical roller bearings	Spherical roller bearings	
22211RZ	Spherical roller bearings	Spherical roller bearings	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
21311RZ	Spherical roller bearings	Spherical roller bearings	
22311RZ	Spherical roller bearings	Spherical roller bearings	
22212RZ	Spherical roller bearings	Spherical roller bearings	
21312RZ	Spherical roller bearings	Spherical roller bearings	
22312RZ	Spherical roller bearings	Spherical roller bearings	
22213RZ	Spherical roller bearings	Spherical roller bearings	
21313RZ	Spherical roller bearings	Spherical roller bearings	
22313RZ	Spherical roller bearings	Spherical roller bearings	
22214RZ	Spherical roller bearings	Spherical roller bearings	
21314RZ	Spherical roller bearings	Spherical roller bearings	
22314RZ	Spherical roller bearings	Spherical roller bearings	
22215RZ	Spherical roller bearings	Spherical roller bearings	
21315RZ	Spherical roller bearings	Spherical roller bearings	
22315RZ	Spherical roller bearings	Spherical roller bearings	
22216RZ	Spherical roller bearings	Spherical roller bearings	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23216RZ	Spherical roller bearings	Spherical roller bearings	
21316RZ	Spherical roller bearings	Spherical roller bearings	
22316RZ	Spherical roller bearings	Spherical roller bearings	
22217RZ	Spherical roller bearings	Spherical roller bearings	
23217RZ	Spherical roller bearings	Spherical roller bearings	
21317RZ	Spherical roller bearings	Spherical roller bearings	
22317RZ	Spherical roller bearings	Spherical roller bearings	
22218RZ	Spherical roller bearings	Spherical roller bearings	
23218RZ	Spherical roller bearings	Spherical roller bearings	
21318RZ	Spherical roller bearings	Spherical roller bearings	
22318RZ	Spherical roller bearings	Spherical roller bearings	
22219RZ	Spherical roller bearings	Spherical roller bearings	
23219RZ	Spherical roller bearings	Spherical roller bearings	
21319RZ	Spherical roller bearings	Spherical roller bearings	
22319RZ	Spherical roller bearings	Spherical roller bearings	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23020RH	Spherical roller bearings	Spherical roller bearings	
23120RZ	Spherical roller bearings	Spherical roller bearings	
22220RHR	Spherical roller bearings	Spherical roller bearings	
23220RH	Spherical roller bearings	Spherical roller bearings	
21320RH	Spherical roller bearings	Spherical roller bearings	
22320RHR	Spherical roller bearings	Spherical roller bearings	
23022RH	Spherical roller bearings	Spherical roller bearings	
24022RZ	Spherical roller bearings	Spherical roller bearings	
23122RH	Spherical roller bearings	Spherical roller bearings	
24122RH	Spherical roller bearings	Spherical roller bearings	
22222RHR	Spherical roller bearings	Spherical roller bearings	
23222RH	Spherical roller bearings	Spherical roller bearings	
21322RH	Spherical roller bearings	Spherical roller bearings	
22322RHR	Spherical roller bearings	Spherical roller bearings	
23024RH	Spherical roller bearings	Spherical roller bearings	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
24024RH	Spherical roller bearings	Spherical roller bearings	
23124RH	Spherical roller bearings	Spherical roller bearings	
24124RH	Spherical roller bearings	Spherical roller bearings	
22224RHR	Spherical roller bearings	Spherical roller bearings	
23224RH	Spherical roller bearings	Spherical roller bearings	
22324RHR	Spherical roller bearings	Spherical roller bearings	
23026RH	Spherical roller bearings	Spherical roller bearings	
24026RH	Spherical roller bearings	Spherical roller bearings	
23126RH	Spherical roller bearings	Spherical roller bearings	
24126RH	Spherical roller bearings	Spherical roller bearings	
22226RHR	Spherical roller bearings	Spherical roller bearings	
23226RH	Spherical roller bearings	Spherical roller bearings	
22326RHR	Spherical roller bearings	Spherical roller bearings	
23028RH	Spherical roller bearings	Spherical roller bearings	
24028RH	Spherical roller bearings	Spherical roller bearings	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23128RH	Spherical roller bearings	Spherical roller bearings	
24128RH	Spherical roller bearings	Spherical roller bearings	
22228RHR	Spherical roller bearings	Spherical roller bearings	
23228RH	Spherical roller bearings	Spherical roller bearings	
22328RH	Spherical roller bearings	Spherical roller bearings	
23930R	Spherical roller bearings	Spherical roller bearings	
23030RH	Spherical roller bearings	Spherical roller bearings	
24030RH	Spherical roller bearings	Spherical roller bearings	
23130RH	Spherical roller bearings	Spherical roller bearings	
24130RH	Spherical roller bearings	Spherical roller bearings	
22230RHR	Spherical roller bearings	Spherical roller bearings	
23230RH	Spherical roller bearings	Spherical roller bearings	
22330R	Spherical roller bearings	Spherical roller bearings	
22330RHA	Spherical roller bearings	Spherical roller bearings	
23932R	Spherical roller bearings	Spherical roller bearings	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23032RH	Spherical roller bearings	Spherical roller bearings	
24032RH	Spherical roller bearings	Spherical roller bearings	
23132RH	Spherical roller bearings	Spherical roller bearings	
24132RR	Spherical roller bearings	Spherical roller bearings	
22232R	Spherical roller bearings	Spherical roller bearings	
22232RHA	Spherical roller bearings	Spherical roller bearings	
23232R	Spherical roller bearings	Spherical roller bearings	
23232RHA	Spherical roller bearings	Spherical roller bearings	
22332R	Spherical roller bearings	Spherical roller bearings	
22332RHA	Spherical roller bearings	Spherical roller bearings	
23934R	Spherical roller bearings	Spherical roller bearings	
23034RH	Spherical roller bearings	Spherical roller bearings	
24034RH	Spherical roller bearings	Spherical roller bearings	
23134RH	Spherical roller bearings	Spherical roller bearings	
24134RR	Spherical roller bearings	Spherical roller bearings	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
22234R	Spherical roller bearings	Spherical roller bearings	
22234RHA	Spherical roller bearings	Spherical roller bearings	
23234RHA	Spherical roller bearings	Spherical roller bearings	
23234RR	Spherical roller bearings	Spherical roller bearings	
22234R	Spherical roller bearings	Spherical roller bearings	
22234RHA	Spherical roller bearings	Spherical roller bearings	
23936R	Spherical roller bearings	Spherical roller bearings	
23036RH	Spherical roller bearings	Spherical roller bearings	
24036RR	Spherical roller bearings	Spherical roller bearings	
23136R	Spherical roller bearings	Spherical roller bearings	
23136RHA	Spherical roller bearings	Spherical roller bearings	
24136RHA	Spherical roller bearings	Spherical roller bearings	
24136RR	Spherical roller bearings	Spherical roller bearings	
22236R	Spherical roller bearings	Spherical roller bearings	
22236RHA	Spherical roller bearings	Spherical roller bearings	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23236RR	Spherical roller bearings	Spherical roller bearings	
23236RHA	Spherical roller bearings	Spherical roller bearings	
22336R	Spherical roller bearings	Spherical roller bearings	
22336RHA	Spherical roller bearings	Spherical roller bearings	
23938R	Spherical roller bearings	Spherical roller bearings	
23038R	Spherical roller bearings	Spherical roller bearings	
23038RHA	Spherical roller bearings	Spherical roller bearings	
24038RHA	Spherical roller bearings	Spherical roller bearings	
24038RR	Spherical roller bearings	Spherical roller bearings	
23138R	Spherical roller bearings	Spherical roller bearings	
23138RHA	Spherical roller bearings	Spherical roller bearings	
24138RR	Spherical roller bearings	Spherical roller bearings	
24138RHA	Spherical roller bearings	Spherical roller bearings	
22238R	Spherical roller bearings	Spherical roller bearings	
22238RHA	Spherical roller bearings	Spherical roller bearings	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23238RR	Spherical roller bearings	Spherical roller bearings	
23238RHA	Spherical roller bearings	Spherical roller bearings	
22338R	Spherical roller bearings	Spherical roller bearings	
22338RHA	Spherical roller bearings	Spherical roller bearings	
23940R	Spherical roller bearings	Spherical roller bearings	
23040R	Spherical roller bearings	Spherical roller bearings	
23040RHA	Spherical roller bearings	Spherical roller bearings	
24040RR	Spherical roller bearings	Spherical roller bearings	
24040RHA	Spherical roller bearings	Spherical roller bearings	
23140RHA	Spherical roller bearings	Spherical roller bearings	
23140RR	Spherical roller bearings	Spherical roller bearings	
24140RHA	Spherical roller bearings	Spherical roller bearings	
24140RR	Spherical roller bearings	Spherical roller bearings	
22240RR	Spherical roller bearings	Spherical roller bearings	
22240RHA	Spherical roller bearings	Spherical roller bearings	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23240R	Spherical roller bearings	Spherical roller bearings	
23240RHA	Spherical roller bearings	Spherical roller bearings	
22340R	Spherical roller bearings	Spherical roller bearings	
22340RHA	Spherical roller bearings	Spherical roller bearings	
23944R	Spherical roller bearings	Spherical roller bearings	
23044R	Spherical roller bearings	Spherical roller bearings	
23044RHA	Spherical roller bearings	Spherical roller bearings	
24044RR	Spherical roller bearings	Spherical roller bearings	
24044RHA	Spherical roller bearings	Spherical roller bearings	
23144R	Spherical roller bearings	Spherical roller bearings	
23144RHA	Spherical roller bearings	Spherical roller bearings	
24144RHA	Spherical roller bearings	Spherical roller bearings	
24144RR	Spherical roller bearings	Spherical roller bearings	
22244RHA	Spherical roller bearings	Spherical roller bearings	
22244RR	Spherical roller bearings	Spherical roller bearings	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23244R	Spherical roller bearings	Spherical roller bearings	
23244RHA	Spherical roller bearings	Spherical roller bearings	
22344RHA	Spherical roller bearings	Spherical roller bearings	
22344R	Spherical roller bearings	Spherical roller bearings	
23948R	Spherical roller bearings	Spherical roller bearings	
23048RHA	Spherical roller bearings	Spherical roller bearings	
23048RR	Spherical roller bearings	Spherical roller bearings	
24048RHA	Spherical roller bearings	Spherical roller bearings	
24048RR	Spherical roller bearings	Spherical roller bearings	
23148RHA	Spherical roller bearings	Spherical roller bearings	
23148RR	Spherical roller bearings	Spherical roller bearings	
24148RR	Spherical roller bearings	Spherical roller bearings	
24148RHA	Spherical roller bearings	Spherical roller bearings	
22248R	Spherical roller bearings	Spherical roller bearings	
22248RHA	Spherical roller bearings	Spherical roller bearings	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23248RR	Spherical roller bearings	Spherical roller bearings	
23248RHA	Spherical roller bearings	Spherical roller bearings	
22348R	Spherical roller bearings	Spherical roller bearings	
22348RHA	Spherical roller bearings	Spherical roller bearings	
23952R	Spherical roller bearings	Spherical roller bearings	
23052R	Spherical roller bearings	Spherical roller bearings	
23052RHA	Spherical roller bearings	Spherical roller bearings	
24052RHA	Spherical roller bearings	Spherical roller bearings	
24052RR	Spherical roller bearings	Spherical roller bearings	
23152RR	Spherical roller bearings	Spherical roller bearings	
23152RHA	Spherical roller bearings	Spherical roller bearings	
24152RHA	Spherical roller bearings	Spherical roller bearings	
24152RR	Spherical roller bearings	Spherical roller bearings	
22252RHA	Spherical roller bearings	Spherical roller bearings	
22252R	Spherical roller bearings	Spherical roller bearings	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23252R	Spherical roller bearings	Spherical roller bearings	
23252RHA	Spherical roller bearings	Spherical roller bearings	
22352R	Spherical roller bearings	Spherical roller bearings	
22352RHA	Spherical roller bearings	Spherical roller bearings	
23956R	Spherical roller bearings	Spherical roller bearings	
23056R	Spherical roller bearings	Spherical roller bearings	
23056RHA	Spherical roller bearings	Spherical roller bearings	
24056RR	Spherical roller bearings	Spherical roller bearings	
24056RHA	Spherical roller bearings	Spherical roller bearings	
23156RR	Spherical roller bearings	Spherical roller bearings	
23156RHA	Spherical roller bearings	Spherical roller bearings	
24156RHA	Spherical roller bearings	Spherical roller bearings	
24156RR	Spherical roller bearings	Spherical roller bearings	
22256R	Spherical roller bearings	Spherical roller bearings	
22256RHA	Spherical roller bearings	Spherical roller bearings	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23256R	Spherical roller bearings	Spherical roller bearings	
23256RHA	Spherical roller bearings	Spherical roller bearings	
22356R	Spherical roller bearings	Spherical roller bearings	
22356RHA	Spherical roller bearings	Spherical roller bearings	
23960R	Spherical roller bearings	Spherical roller bearings	
23060R	Spherical roller bearings	Spherical roller bearings	
23060RHA	Spherical roller bearings	Spherical roller bearings	
24060RHA	Spherical roller bearings	Spherical roller bearings	
24060RR	Spherical roller bearings	Spherical roller bearings	
23160RHA	Spherical roller bearings	Spherical roller bearings	
23160RR	Spherical roller bearings	Spherical roller bearings	
24160RHA	Spherical roller bearings	Spherical roller bearings	
24160RR	Spherical roller bearings	Spherical roller bearings	
22260RHA	Spherical roller bearings	Spherical roller bearings	
22260R	Spherical roller bearings	Spherical roller bearings	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23260R	Spherical roller bearings	Spherical roller bearings	
23260RHA	Spherical roller bearings	Spherical roller bearings	
22360R	Spherical roller bearings	Spherical roller bearings	
23964R	Spherical roller bearings	Spherical roller bearings	
23064R	Spherical roller bearings	Spherical roller bearings	
23064RHA	Spherical roller bearings	Spherical roller bearings	
24064RR	Spherical roller bearings	Spherical roller bearings	
24064RHA	Spherical roller bearings	Spherical roller bearings	
23164R	Spherical roller bearings	Spherical roller bearings	
23164RHA	Spherical roller bearings	Spherical roller bearings	
24164RHA	Spherical roller bearings	Spherical roller bearings	
24164RR	Spherical roller bearings	Spherical roller bearings	
22264R	Spherical roller bearings	Spherical roller bearings	
23264R	Spherical roller bearings	Spherical roller bearings	
23264RHA	Spherical roller bearings	Spherical roller bearings	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23968R	Spherical roller bearings	Spherical roller bearings	
23068R	Spherical roller bearings	Spherical roller bearings	
23068RHA	Spherical roller bearings	Spherical roller bearings	
24068RR	Spherical roller bearings	Spherical roller bearings	
24068RHA	Spherical roller bearings	Spherical roller bearings	
23168R	Spherical roller bearings	Spherical roller bearings	
23168RHA	Spherical roller bearings	Spherical roller bearings	
24168RHA	Spherical roller bearings	Spherical roller bearings	
24168RR	Spherical roller bearings	Spherical roller bearings	
22268R	Spherical roller bearings	Spherical roller bearings	
23268R	Spherical roller bearings	Spherical roller bearings	
23268RHA	Spherical roller bearings	Spherical roller bearings	
23972R	Spherical roller bearings	Spherical roller bearings	
23072R	Spherical roller bearings	Spherical roller bearings	
23072RHA	Spherical roller bearings	Spherical roller bearings	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
24072RHA	Spherical roller bearings	Spherical roller bearings	
24072RR	Spherical roller bearings	Spherical roller bearings	
23172R	Spherical roller bearings	Spherical roller bearings	
23172RHA	Spherical roller bearings	Spherical roller bearings	
24172R	Spherical roller bearings	Spherical roller bearings	
24172RHA	Spherical roller bearings	Spherical roller bearings	
22272R	Spherical roller bearings	Spherical roller bearings	
23272R	Spherical roller bearings	Spherical roller bearings	
23272RHA	Spherical roller bearings	Spherical roller bearings	
23976R	Spherical roller bearings	Spherical roller bearings	
23076R	Spherical roller bearings	Spherical roller bearings	
23076RHA	Spherical roller bearings	Spherical roller bearings	
24076RHA	Spherical roller bearings	Spherical roller bearings	
24076RR	Spherical roller bearings	Spherical roller bearings	
23176R	Spherical roller bearings	Spherical roller bearings	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23176RHA	Spherical roller bearings	Spherical roller bearings	
24176R	Spherical roller bearings	Spherical roller bearings	
24176RHA	Spherical roller bearings	Spherical roller bearings	
23276R	Spherical roller bearings	Spherical roller bearings	
23276RHA	Spherical roller bearings	Spherical roller bearings	
23980R	Spherical roller bearings	Spherical roller bearings	
23080R	Spherical roller bearings	Spherical roller bearings	
23080RHA	Spherical roller bearings	Spherical roller bearings	
24080RHA	Spherical roller bearings	Spherical roller bearings	
24080R	Spherical roller bearings	Spherical roller bearings	
23180R	Spherical roller bearings	Spherical roller bearings	
23180RHA	Spherical roller bearings	Spherical roller bearings	
24180R	Spherical roller bearings	Spherical roller bearings	
24180RHA	Spherical roller bearings	Spherical roller bearings	
23280R	Spherical roller bearings	Spherical roller bearings	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23280RHA	Spherical roller bearings	Spherical roller bearings	
23984R	Spherical roller bearings	Spherical roller bearings	
23084R	Spherical roller bearings	Spherical roller bearings	
23084RHA	Spherical roller bearings	Spherical roller bearings	
24084R	Spherical roller bearings	Spherical roller bearings	
24084RHA	Spherical roller bearings	Spherical roller bearings	
23184R	Spherical roller bearings	Spherical roller bearings	
23184RHA	Spherical roller bearings	Spherical roller bearings	
24184R	Spherical roller bearings	Spherical roller bearings	
24184RHA	Spherical roller bearings	Spherical roller bearings	
23284R	Spherical roller bearings	Spherical roller bearings	
23284RHA	Spherical roller bearings	Spherical roller bearings	
23988R	Spherical roller bearings	Spherical roller bearings	
23088R	Spherical roller bearings	Spherical roller bearings	
23088RHA	Spherical roller bearings	Spherical roller bearings	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
24088R	Spherical roller bearings	Spherical roller bearings	
24088RHA	Spherical roller bearings	Spherical roller bearings	
23188R	Spherical roller bearings	Spherical roller bearings	
23188RHA	Spherical roller bearings	Spherical roller bearings	
24188R	Spherical roller bearings	Spherical roller bearings	
24188RHA	Spherical roller bearings	Spherical roller bearings	
23288R	Spherical roller bearings	Spherical roller bearings	
23288RHA	Spherical roller bearings	Spherical roller bearings	
23896R	Spherical roller bearings	Spherical roller bearings	
23992R	Spherical roller bearings	Spherical roller bearings	
23092R	Spherical roller bearings	Spherical roller bearings	
23092RHA	Spherical roller bearings	Spherical roller bearings	
24092RHA	Spherical roller bearings	Spherical roller bearings	
24092R	Spherical roller bearings	Spherical roller bearings	
23192R	Spherical roller bearings	Spherical roller bearings	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23192RHA	Spherical roller bearings	Spherical roller bearings	
24192R	Spherical roller bearings	Spherical roller bearings	
24192RHA	Spherical roller bearings	Spherical roller bearings	
23292R	Spherical roller bearings	Spherical roller bearings	
23292RHA	Spherical roller bearings	Spherical roller bearings	
23996R	Spherical roller bearings	Spherical roller bearings	
23096R	Spherical roller bearings	Spherical roller bearings	
23096RHA	Spherical roller bearings	Spherical roller bearings	
24096R	Spherical roller bearings	Spherical roller bearings	
24096RHA	Spherical roller bearings	Spherical roller bearings	
23196R	Spherical roller bearings	Spherical roller bearings	
23196RHA	Spherical roller bearings	Spherical roller bearings	
24196R	Spherical roller bearings	Spherical roller bearings	
24196RHA	Spherical roller bearings	Spherical roller bearings	
23296R	Spherical roller bearings	Spherical roller bearings	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23296RHA	Spherical roller bearings	Spherical roller bearings	
239/500R	Spherical roller bearings	Spherical roller bearings	
230/500R	Spherical roller bearings	Spherical roller bearings	
240/500R	Spherical roller bearings	Spherical roller bearings	
231/500R	Spherical roller bearings	Spherical roller bearings	
241/500R	Spherical roller bearings	Spherical roller bearings	
232/500R	Spherical roller bearings	Spherical roller bearings	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
22205RZK+H305X	Spherical roller bearings	Adapter assemblies	
22206RZK+H306X	Spherical roller bearings	Adapter assemblies	
21306RZK+H306X	Spherical roller bearings	Adapter assemblies	
22207RZK+H307X	Spherical roller bearings	Adapter assemblies	
21307RZK+H307X	Spherical roller bearings	Adapter assemblies	
22208RZK+H308X	Spherical roller bearings	Adapter assemblies	
21308RZK+H308X	Spherical roller bearings	Adapter assemblies	
22308RZK+H2308X	Spherical roller bearings	Adapter assemblies	
22209RZK+H309X	Spherical roller bearings	Adapter assemblies	
21309RZK+H309X	Spherical roller bearings	Adapter assemblies	
22309RZK+H2309X	Spherical roller bearings	Adapter assemblies	
22210RZK+H310X	Spherical roller bearings	Adapter assemblies	
21310RZK+H310X	Spherical roller bearings	Adapter assemblies	
22310RZK+H2310X	Spherical roller bearings	Adapter assemblies	
22211RZK+H311X	Spherical roller bearings	Adapter assemblies	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
21311RZK+H311X	Spherical roller bearings	Adapter assemblies	
22311RZK+H2311X	Spherical roller bearings	Adapter assemblies	
22212RZK+H312X	Spherical roller bearings	Adapter assemblies	
21312RZK+H312X	Spherical roller bearings	Adapter assemblies	
22312RZK+H2312X	Spherical roller bearings	Adapter assemblies	
22213RZK+H313X	Spherical roller bearings	Adapter assemblies	
21313RZK+H313X	Spherical roller bearings	Adapter assemblies	
22313RZK+H2313X	Spherical roller bearings	Adapter assemblies	
22215RZK+H315X	Spherical roller bearings	Adapter assemblies	
21315RZK+H315X	Spherical roller bearings	Adapter assemblies	
22315RZK+H2315X	Spherical roller bearings	Adapter assemblies	
22216RZK+H316X	Spherical roller bearings	Adapter assemblies	
21316RZK+H316X	Spherical roller bearings	Adapter assemblies	
22316RZK+H2316X	Spherical roller bearings	Adapter assemblies	
22217RZK+H317X	Spherical roller bearings	Adapter assemblies	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
21317RZK+H317X	Spherical roller bearings	Adapter assemblies	
22317RZK+H2317X	Spherical roller bearings	Adapter assemblies	
22218RZK+H318X	Spherical roller bearings	Adapter assemblies	
23218RZK+H2318X	Spherical roller bearings	Adapter assemblies	
21318RZK+H318X	Spherical roller bearings	Adapter assemblies	
22318RZK+H2318X	Spherical roller bearings	Adapter assemblies	
22219RZK+H319X	Spherical roller bearings	Adapter assemblies	
21319RZK+H319X	Spherical roller bearings	Adapter assemblies	
22319RZK+H2319X	Spherical roller bearings	Adapter assemblies	
22220RZK+H320X	Spherical roller bearings	Adapter assemblies	
23220RZK+H2320X	Spherical roller bearings	Adapter assemblies	
21320RZK+H320X	Spherical roller bearings	Adapter assemblies	
22320RZK+H2320X	Spherical roller bearings	Adapter assemblies	
23122RZK+H3122X	Spherical roller bearings	Adapter assemblies	
22222RZK+H322X	Spherical roller bearings	Adapter assemblies	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23222RZK+H2322X	Spherical roller bearings	Adapter assemblies	
21322RZK+H322X	Spherical roller bearings	Adapter assemblies	
22322RZK+H2322X	Spherical roller bearings	Adapter assemblies	
23024RZK+H3024X	Spherical roller bearings	Adapter assemblies	
23124RZK+H3124X	Spherical roller bearings	Adapter assemblies	
22224RZK+H3124X	Spherical roller bearings	Adapter assemblies	
23224RZK+H2324X	Spherical roller bearings	Adapter assemblies	
22324RZK+H2324X	Spherical roller bearings	Adapter assemblies	
23026RZK+H3026	Spherical roller bearings	Adapter assemblies	
23126RZK+H3126	Spherical roller bearings	Adapter assemblies	
22226RZK+H3126	Spherical roller bearings	Adapter assemblies	
23226RZK+H2326	Spherical roller bearings	Adapter assemblies	
22326RZK+H2326	Spherical roller bearings	Adapter assemblies	
23028RZK+H3028	Spherical roller bearings	Adapter assemblies	
23128RZK+H3128	Spherical roller bearings	Adapter assemblies	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
22228RZK+H3128	Spherical roller bearings	Adapter assemblies	
23228RZK+H2328	Spherical roller bearings	Adapter assemblies	
22328RZK+H2328	Spherical roller bearings	Adapter assemblies	
23030RZK+H3030	Spherical roller bearings	Adapter assemblies	
23130RZK+H3130	Spherical roller bearings	Adapter assemblies	
22230RZK+H3130	Spherical roller bearings	Adapter assemblies	
23230RZK+H2330	Spherical roller bearings	Adapter assemblies	
22330RK+H2330	Spherical roller bearings	Adapter assemblies	
22330RHAK+H2330	Spherical roller bearings	Adapter assemblies	
23032RZK+H3032	Spherical roller bearings	Adapter assemblies	
23132RZK+H3132	Spherical roller bearings	Adapter assemblies	
22232RK+H3132	Spherical roller bearings	Adapter assemblies	
22232RHAK+H3132	Spherical roller bearings	Adapter assemblies	
23232RK+H2332	Spherical roller bearings	Adapter assemblies	
23232RHAK+H2332	Spherical roller bearings	Adapter assemblies	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
22332RK+H2332	Spherical roller bearings	Adapter assemblies	
22332RHAK+H2332	Spherical roller bearings	Adapter assemblies	
23034RZK+H3034	Spherical roller bearings	Adapter assemblies	
23134RZK+H3134	Spherical roller bearings	Adapter assemblies	
22234RK+H3134	Spherical roller bearings	Adapter assemblies	
22234RHAK+H3134	Spherical roller bearings	Adapter assemblies	
23234RHAK+H2334	Spherical roller bearings	Adapter assemblies	
23234RRK+H2334	Spherical roller bearings	Adapter assemblies	
22334RK+H2334	Spherical roller bearings	Adapter assemblies	
22334RHAK+H2334	Spherical roller bearings	Adapter assemblies	
23936RK+H3936	Spherical roller bearings	Adapter assemblies	
23036RZK+H3036	Spherical roller bearings	Adapter assemblies	
23136RK+H3136	Spherical roller bearings	Adapter assemblies	
23136RHAK+H3136	Spherical roller bearings	Adapter assemblies	
22236RK+H3136	Spherical roller bearings	Adapter assemblies	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
22236RHAK+H3136	Spherical roller bearings	Adapter assemblies	
23236RRK+H2336	Spherical roller bearings	Adapter assemblies	
23236RHAK+H2336	Spherical roller bearings	Adapter assemblies	
22336RHAK+H2336	Spherical roller bearings	Adapter assemblies	
22336RK+H2336	Spherical roller bearings	Adapter assemblies	
23938RK+H3938	Spherical roller bearings	Adapter assemblies	
23038RK+H3038	Spherical roller bearings	Adapter assemblies	
23038RHAK+H3038	Spherical roller bearings	Adapter assemblies	
23138RK+H3138	Spherical roller bearings	Adapter assemblies	
23138RHAK+H3138	Spherical roller bearings	Adapter assemblies	
22238RK+H3138	Spherical roller bearings	Adapter assemblies	
22238RHAK+H3138	Spherical roller bearings	Adapter assemblies	
23238RRK+H2338	Spherical roller bearings	Adapter assemblies	
23238RHAK+H2338	Spherical roller bearings	Adapter assemblies	
22338RK+H2338	Spherical roller bearings	Adapter assemblies	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
22338RHAK+H2338	Spherical roller bearings	Adapter assemblies	
23940RK+H3940	Spherical roller bearings	Adapter assemblies	
23040RK+H3040	Spherical roller bearings	Adapter assemblies	
23040RHAK+H3040	Spherical roller bearings	Adapter assemblies	
23140RHAK+H3140	Spherical roller bearings	Adapter assemblies	
23140RRK+H3140	Spherical roller bearings	Adapter assemblies	
22240RRK+H3140	Spherical roller bearings	Adapter assemblies	
22240RHAK+H3140	Spherical roller bearings	Adapter assemblies	
23240RK+H2340	Spherical roller bearings	Adapter assemblies	
23240RHAK+H2340	Spherical roller bearings	Adapter assemblies	
22340RK+H2340	Spherical roller bearings	Adapter assemblies	
22340RHAK+H2340	Spherical roller bearings	Adapter assemblies	
23944RK+H3944	Spherical roller bearings	Adapter assemblies	
23044RK+H3044	Spherical roller bearings	Adapter assemblies	
23044RHAK+H3044	Spherical roller bearings	Adapter assemblies	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23144RK+H3144	Spherical roller bearings	Adapter assemblies	
23144RHAK+H3144	Spherical roller bearings	Adapter assemblies	
22244RHAK+H3144	Spherical roller bearings	Adapter assemblies	
22244RRK+H3144	Spherical roller bearings	Adapter assemblies	
23244RK+H2344	Spherical roller bearings	Adapter assemblies	
23244RHAK+H2344	Spherical roller bearings	Adapter assemblies	
22344RHAK+H2344	Spherical roller bearings	Adapter assemblies	
22344RK+H2344	Spherical roller bearings	Adapter assemblies	
23948RK+H3948	Spherical roller bearings	Adapter assemblies	
23048RHAK+H3048	Spherical roller bearings	Adapter assemblies	
23048RRK+H3048	Spherical roller bearings	Adapter assemblies	
23148RHAK+H3148	Spherical roller bearings	Adapter assemblies	
23148RRK+H3148	Spherical roller bearings	Adapter assemblies	
22248RK+H3148	Spherical roller bearings	Adapter assemblies	
22248RHAK+H3148	Spherical roller bearings	Adapter assemblies	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23248RRK+H2348	Spherical roller bearings	Adapter assemblies	
23248RHAK+H2348	Spherical roller bearings	Adapter assemblies	
22348RK+H2348	Spherical roller bearings	Adapter assemblies	
22348RHAK+H2348	Spherical roller bearings	Adapter assemblies	
23952RK+H3952	Spherical roller bearings	Adapter assemblies	
23052RK+H3052	Spherical roller bearings	Adapter assemblies	
23052RHAK+H3052	Spherical roller bearings	Adapter assemblies	
23152RRK+H3152	Spherical roller bearings	Adapter assemblies	
23152RHAK+H3152	Spherical roller bearings	Adapter assemblies	
22252RHAK+H3152	Spherical roller bearings	Adapter assemblies	
22252RK+H3152	Spherical roller bearings	Adapter assemblies	
23252RK+H2352	Spherical roller bearings	Adapter assemblies	
23252RHAK+H2352	Spherical roller bearings	Adapter assemblies	
22352RK+H2352	Spherical roller bearings	Adapter assemblies	
22352RHAK+H2352	Spherical roller bearings	Adapter assemblies	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23956RK+H3956	Spherical roller bearings	Adapter assemblies	
23056RK+H3056	Spherical roller bearings	Adapter assemblies	
23056RHAK+H3056	Spherical roller bearings	Adapter assemblies	
23156RRK+H3156	Spherical roller bearings	Adapter assemblies	
23156RHAK+H3156	Spherical roller bearings	Adapter assemblies	
22256RK+H3156	Spherical roller bearings	Adapter assemblies	
22256RHAK+H3156	Spherical roller bearings	Adapter assemblies	
23256RK+H2356	Spherical roller bearings	Adapter assemblies	
23256RHAK+H2356	Spherical roller bearings	Adapter assemblies	
22356RK+H2356	Spherical roller bearings	Adapter assemblies	
22356RHAK+H2356	Spherical roller bearings	Adapter assemblies	
23960RK+H3960	Spherical roller bearings	Adapter assemblies	
23060RK+H3060	Spherical roller bearings	Adapter assemblies	
23060RHAK+H3060	Spherical roller bearings	Adapter assemblies	
23160RHAK+H3160	Spherical roller bearings	Adapter assemblies	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23160RRK+H3160	Spherical roller bearings	Adapter assemblies	
22260RHAK+H3160	Spherical roller bearings	Adapter assemblies	
22260RK+H3160	Spherical roller bearings	Adapter assemblies	
23260RK+H3260	Spherical roller bearings	Adapter assemblies	
23260RHAK+H3260	Spherical roller bearings	Adapter assemblies	
23964RK+H3964	Spherical roller bearings	Adapter assemblies	
23064RK+H3064	Spherical roller bearings	Adapter assemblies	
23064RHAK+H3064	Spherical roller bearings	Adapter assemblies	
23164RK+H3164	Spherical roller bearings	Adapter assemblies	
23164RHAK+H3164	Spherical roller bearings	Adapter assemblies	
22264RK+H3164	Spherical roller bearings	Adapter assemblies	
23264RK+H3264	Spherical roller bearings	Adapter assemblies	
23264RHAK+H3264	Spherical roller bearings	Adapter assemblies	
23968RK+H3968	Spherical roller bearings	Adapter assemblies	
23068RK+H3068	Spherical roller bearings	Adapter assemblies	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23068RHAK+H3068	Spherical roller bearings	Adapter assemblies	
23168RK+H3168	Spherical roller bearings	Adapter assemblies	
23168RHAK+H3168	Spherical roller bearings	Adapter assemblies	
23268RK+H3268	Spherical roller bearings	Adapter assemblies	
23268RHAK+H3268	Spherical roller bearings	Adapter assemblies	
23972RK+H3972	Spherical roller bearings	Adapter assemblies	
23072RK+H3072	Spherical roller bearings	Adapter assemblies	
23072RHAK+H3072	Spherical roller bearings	Adapter assemblies	
23172RK+H3172	Spherical roller bearings	Adapter assemblies	
23172RHAK+H3172	Spherical roller bearings	Adapter assemblies	
23272RK+H3272	Spherical roller bearings	Adapter assemblies	
23272RHAK+H3272	Spherical roller bearings	Adapter assemblies	
23976RK+H3976	Spherical roller bearings	Adapter assemblies	
23076RK+H3076	Spherical roller bearings	Adapter assemblies	
23076RHAK+H3076	Spherical roller bearings	Adapter assemblies	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23176RK+H3176	Spherical roller bearings	Adapter assemblies	
23176RHAK+H3176	Spherical roller bearings	Adapter assemblies	
23276RK+H3276	Spherical roller bearings	Adapter assemblies	
23276RHAK+H3276	Spherical roller bearings	Adapter assemblies	
23980RK+H3980	Spherical roller bearings	Adapter assemblies	
23080RK+H3080	Spherical roller bearings	Adapter assemblies	
23080RHAK+H3080	Spherical roller bearings	Adapter assemblies	
23180RK+H3180	Spherical roller bearings	Adapter assemblies	
23180RHAK+H3180	Spherical roller bearings	Adapter assemblies	
23280RK+H3280	Spherical roller bearings	Adapter assemblies	
23280RHAK+H3280	Spherical roller bearings	Adapter assemblies	
23984RK+H3984	Spherical roller bearings	Adapter assemblies	
23084RK+H3084	Spherical roller bearings	Adapter assemblies	
23084RHAK+H3084	Spherical roller bearings	Adapter assemblies	
23184RK+H3184	Spherical roller bearings	Adapter assemblies	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23184RHAK+H3184	Spherical roller bearings	Adapter assemblies	
23284RK+H3284	Spherical roller bearings	Adapter assemblies	
23284RHAK+H3284	Spherical roller bearings	Adapter assemblies	
23988RK+H3988	Spherical roller bearings	Adapter assemblies	
23088RK+H3088	Spherical roller bearings	Adapter assemblies	
23088RHAK+H3088	Spherical roller bearings	Adapter assemblies	
23188RK+H3188	Spherical roller bearings	Adapter assemblies	
23188RHAK+H3188	Spherical roller bearings	Adapter assemblies	
23288RK+H3288	Spherical roller bearings	Adapter assemblies	
23288RHAK+H3288	Spherical roller bearings	Adapter assemblies	
23992RK+H3992	Spherical roller bearings	Adapter assemblies	
23092RK+H3092	Spherical roller bearings	Adapter assemblies	
23092RHAK+H3092	Spherical roller bearings	Adapter assemblies	
23192RK+H3192	Spherical roller bearings	Adapter assemblies	
23192RHAK+H3192	Spherical roller bearings	Adapter assemblies	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23292RK+H3292	Spherical roller bearings	Adapter assemblies	
23292RHAK+H3292	Spherical roller bearings	Adapter assemblies	
23996RK+H3996	Spherical roller bearings	Adapter assemblies	
23096RK+H3096	Spherical roller bearings	Adapter assemblies	
23096RHAK+H3096	Spherical roller bearings	Adapter assemblies	
23196RK+H3196	Spherical roller bearings	Adapter assemblies	
23196RHAK+H3196	Spherical roller bearings	Adapter assemblies	
23296RK+H3296	Spherical roller bearings	Adapter assemblies	
23296RHAK+H3296	Spherical roller bearings	Adapter assemblies	
239/500RK+H39/500	Spherical roller bearings	Adapter assemblies	
230/500RK+H30/500	Spherical roller bearings	Adapter assemblies	
231/500RK+H31/500	Spherical roller bearings	Adapter assemblies	
232/500RK+H32/500	Spherical roller bearings	Adapter assemblies	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
22208RZK+AH308	Spherical roller bearings	Withdrawal sleeves	
21308RZK+AH308	Spherical roller bearings	Withdrawal sleeves	
22308RZK+AH2308	Spherical roller bearings	Withdrawal sleeves	
22209RZK+AH309	Spherical roller bearings	Withdrawal sleeves	
21309RZK+AH309	Spherical roller bearings	Withdrawal sleeves	
22309RZK+AH2309	Spherical roller bearings	Withdrawal sleeves	
22210RZK+AHX310	Spherical roller bearings	Withdrawal sleeves	
21310RZK+AHX310	Spherical roller bearings	Withdrawal sleeves	
22310RZK+AHX2310	Spherical roller bearings	Withdrawal sleeves	
22211RZK+AHX311	Spherical roller bearings	Withdrawal sleeves	
21311RZK+AHX311	Spherical roller bearings	Withdrawal sleeves	
22311RZK+AHX2311	Spherical roller bearings	Withdrawal sleeves	
22212RZK+AHX312	Spherical roller bearings	Withdrawal sleeves	
21312RZK+AHX312	Spherical roller bearings	Withdrawal sleeves	
22312RZK+AHX2312	Spherical roller bearings	Withdrawal sleeves	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
22213RZK+AH313	Spherical roller bearings	Withdrawal sleeves	
21313RZK+AH313	Spherical roller bearings	Withdrawal sleeves	
22313RZK+AH2313	Spherical roller bearings	Withdrawal sleeves	
22214RZK+AH314	Spherical roller bearings	Withdrawal sleeves	
21314RZK+AH314	Spherical roller bearings	Withdrawal sleeves	
22314RZK+AHX2314	Spherical roller bearings	Withdrawal sleeves	
22215RZK+AH315	Spherical roller bearings	Withdrawal sleeves	
21315RZK+AH315	Spherical roller bearings	Withdrawal sleeves	
22315RZK+AHX2315	Spherical roller bearings	Withdrawal sleeves	
22216RZK+AH316	Spherical roller bearings	Withdrawal sleeves	
21316RZK+AH316	Spherical roller bearings	Withdrawal sleeves	
22316RZK+AHX2316	Spherical roller bearings	Withdrawal sleeves	
22217RZK+AHX317	Spherical roller bearings	Withdrawal sleeves	
21317RZK+AHX317	Spherical roller bearings	Withdrawal sleeves	
22317RZK+AHX2317	Spherical roller bearings	Withdrawal sleeves	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
22218RZK+AHX318	Spherical roller bearings	Withdrawal sleeves	
23218RZK+AHX3218	Spherical roller bearings	Withdrawal sleeves	
21318RZK+AHX318	Spherical roller bearings	Withdrawal sleeves	
22318RZK+AHX2318	Spherical roller bearings	Withdrawal sleeves	
22219RZK+AHX319	Spherical roller bearings	Withdrawal sleeves	
21319RZK+AHX319	Spherical roller bearings	Withdrawal sleeves	
22319RZK+AHX2319	Spherical roller bearings	Withdrawal sleeves	
22220RZK+AHX320	Spherical roller bearings	Withdrawal sleeves	
23220RZK+AHX3220	Spherical roller bearings	Withdrawal sleeves	
21320RZK+AHX320	Spherical roller bearings	Withdrawal sleeves	
22320RZK+AHX2320	Spherical roller bearings	Withdrawal sleeves	
23122RZK+AHX3122	Spherical roller bearings	Withdrawal sleeves	
24122RZK30+AH24122	Spherical roller bearings	Withdrawal sleeves	
22222RZK+AHX3122	Spherical roller bearings	Withdrawal sleeves	
23222RZK+AHX3222	Spherical roller bearings	Withdrawal sleeves	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
21322RZK+AHX322	Spherical roller bearings	Withdrawal sleeves	
22322RZK+AHX2322	Spherical roller bearings	Withdrawal sleeves	
23024RZK+AHX3024	Spherical roller bearings	Withdrawal sleeves	
24024RZK30+AH24024	Spherical roller bearings	Withdrawal sleeves	
23124RZK+AHX3124	Spherical roller bearings	Withdrawal sleeves	
24124RZK30+AH24124	Spherical roller bearings	Withdrawal sleeves	
22224RZK+AHX3124	Spherical roller bearings	Withdrawal sleeves	
23224RZK+AHX3224	Spherical roller bearings	Withdrawal sleeves	
22324RZK+AHX2324	Spherical roller bearings	Withdrawal sleeves	
23026RZK+AHX3026	Spherical roller bearings	Withdrawal sleeves	
24026RZK30+AH24026	Spherical roller bearings	Withdrawal sleeves	
23126RZK+AHX3126	Spherical roller bearings	Withdrawal sleeves	
24126RZK30+AH24126	Spherical roller bearings	Withdrawal sleeves	
22226RZK+AHX3126	Spherical roller bearings	Withdrawal sleeves	
23226RZK+AHX3226	Spherical roller bearings	Withdrawal sleeves	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
22326RZK+AHX2326	Spherical roller bearings	Withdrawal sleeves	
23028RZK+AHX3028	Spherical roller bearings	Withdrawal sleeves	
24028RZK30+AH24028	Spherical roller bearings	Withdrawal sleeves	
23128RZK+AHX3128	Spherical roller bearings	Withdrawal sleeves	
24128RZK30+AH24128	Spherical roller bearings	Withdrawal sleeves	
22228RZK+AHX3128	Spherical roller bearings	Withdrawal sleeves	
23228RZK+AHX3228	Spherical roller bearings	Withdrawal sleeves	
22328RZK+AHX2328	Spherical roller bearings	Withdrawal sleeves	
23030RZK+AHX3030	Spherical roller bearings	Withdrawal sleeves	
24030RZK30+AH24030	Spherical roller bearings	Withdrawal sleeves	
23130RZK+AHX3130	Spherical roller bearings	Withdrawal sleeves	
24130RZK30+AH24130	Spherical roller bearings	Withdrawal sleeves	
22230RZK+AHX3130	Spherical roller bearings	Withdrawal sleeves	
23230RZK+AHX3230	Spherical roller bearings	Withdrawal sleeves	
22330RK+AHX2330	Spherical roller bearings	Withdrawal sleeves	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
22330RHAK+AHX2330	Spherical roller bearings	Withdrawal sleeves	
23032RZK+AH3032	Spherical roller bearings	Withdrawal sleeves	
24032RZK30+AH24032	Spherical roller bearings	Withdrawal sleeves	
23132RZK+AH3132	Spherical roller bearings	Withdrawal sleeves	
22232RK+AH3132	Spherical roller bearings	Withdrawal sleeves	
22232RHAK+AH3132	Spherical roller bearings	Withdrawal sleeves	
23232RK+AH3232	Spherical roller bearings	Withdrawal sleeves	
23232RHAK+AH3232	Spherical roller bearings	Withdrawal sleeves	
22332RK+AH2332	Spherical roller bearings	Withdrawal sleeves	
22332RHAK+AH2332	Spherical roller bearings	Withdrawal sleeves	
23034RZK+AH3034	Spherical roller bearings	Withdrawal sleeves	
24034RZK30+AH24034	Spherical roller bearings	Withdrawal sleeves	
23134RZK+AH3134	Spherical roller bearings	Withdrawal sleeves	
24134RRK30+AH24134	Spherical roller bearings	Withdrawal sleeves	
22234RK+AH3134	Spherical roller bearings	Withdrawal sleeves	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
22234RHAK+AH3134	Spherical roller bearings	Withdrawal sleeves	
23234RHAK+AH3234	Spherical roller bearings	Withdrawal sleeves	
23234RRK+AH3234	Spherical roller bearings	Withdrawal sleeves	
22334RK+AH2334	Spherical roller bearings	Withdrawal sleeves	
22334RHAK+AH2334	Spherical roller bearings	Withdrawal sleeves	
23936RK+AH3936	Spherical roller bearings	Withdrawal sleeves	
23036RZK+AH3036	Spherical roller bearings	Withdrawal sleeves	
24036RRK30+AH24036	Spherical roller bearings	Withdrawal sleeves	
23136RK+AH3136	Spherical roller bearings	Withdrawal sleeves	
23136RHAK+AH3136	Spherical roller bearings	Withdrawal sleeves	
24136RHAK30+AH24136	Spherical roller bearings	Withdrawal sleeves	
24136RRK30+AH24136	Spherical roller bearings	Withdrawal sleeves	
22236RK+AH2236	Spherical roller bearings	Withdrawal sleeves	
22236RHAK+AH2236	Spherical roller bearings	Withdrawal sleeves	
23236RRK+AH3236	Spherical roller bearings	Withdrawal sleeves	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23236RHAK+AH3236	Spherical roller bearings	Withdrawal sleeves	
22336RK+AH2336	Spherical roller bearings	Withdrawal sleeves	
22336RHAK+AH2336	Spherical roller bearings	Withdrawal sleeves	
23938RK+AH3938	Spherical roller bearings	Withdrawal sleeves	
23038RK+AH3038	Spherical roller bearings	Withdrawal sleeves	
23038RHAK+AH3038	Spherical roller bearings	Withdrawal sleeves	
24038RHAK30+AH24038	Spherical roller bearings	Withdrawal sleeves	
24038RRK30+AH24038	Spherical roller bearings	Withdrawal sleeves	
23138RK+AH3138	Spherical roller bearings	Withdrawal sleeves	
23138RHAK+AH3138	Spherical roller bearings	Withdrawal sleeves	
24138RRK30+AH24138	Spherical roller bearings	Withdrawal sleeves	
24138RHAK30+AH24138	Spherical roller bearings	Withdrawal sleeves	
22238RK+AH2238	Spherical roller bearings	Withdrawal sleeves	
22238RHAK+AH2238	Spherical roller bearings	Withdrawal sleeves	
23238RRK+AH3238	Spherical roller bearings	Withdrawal sleeves	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23238RHAK+AH3238	Spherical roller bearings	Withdrawal sleeves	
22338RK+AH2338	Spherical roller bearings	Withdrawal sleeves	
22338RHAK+AH2338	Spherical roller bearings	Withdrawal sleeves	
23940RK+AH3940	Spherical roller bearings	Withdrawal sleeves	
23040RK+AH3040	Spherical roller bearings	Withdrawal sleeves	
23040RHAK+AH3040	Spherical roller bearings	Withdrawal sleeves	
24040RRK30+AH24040	Spherical roller bearings	Withdrawal sleeves	
24040RHAK30+AH24040	Spherical roller bearings	Withdrawal sleeves	
23140RHAK+AH3140	Spherical roller bearings	Withdrawal sleeves	
23140RRK+AH3140	Spherical roller bearings	Withdrawal sleeves	
24140RHAK30+AH24140	Spherical roller bearings	Withdrawal sleeves	
24140RRK30+AH24140	Spherical roller bearings	Withdrawal sleeves	
22240RRK+AH2240	Spherical roller bearings	Withdrawal sleeves	
22240RHAK+AH2240	Spherical roller bearings	Withdrawal sleeves	
23240RK+AH3240	Spherical roller bearings	Withdrawal sleeves	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23240RHAK+AH3240	Spherical roller bearings	Withdrawal sleeves	
22340RK+AH2340	Spherical roller bearings	Withdrawal sleeves	
22340RHAK+AH2340	Spherical roller bearings	Withdrawal sleeves	
23944RK+AH3944	Spherical roller bearings	Withdrawal sleeves	
23044RK+AH3044	Spherical roller bearings	Withdrawal sleeves	
23044RHAK+AH3044	Spherical roller bearings	Withdrawal sleeves	
24044RRK30+AH24044	Spherical roller bearings	Withdrawal sleeves	
24044RHAK30+AH24044	Spherical roller bearings	Withdrawal sleeves	
23144RK+AH3144	Spherical roller bearings	Withdrawal sleeves	
23144RHAK+AH3144	Spherical roller bearings	Withdrawal sleeves	
24144RHAK30+AH24144	Spherical roller bearings	Withdrawal sleeves	
24144RRK30+AH24144	Spherical roller bearings	Withdrawal sleeves	
22244RHAK+AH2244	Spherical roller bearings	Withdrawal sleeves	
22244RRK+AH2244	Spherical roller bearings	Withdrawal sleeves	
23244RK+AH2344	Spherical roller bearings	Withdrawal sleeves	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23244RHAK+AH2344	Spherical roller bearings	Withdrawal sleeves	
22344RHAK+AH2344	Spherical roller bearings	Withdrawal sleeves	
22344RK+AH2344	Spherical roller bearings	Withdrawal sleeves	
23948RK+AH3948	Spherical roller bearings	Withdrawal sleeves	
23048RHAK+AH3048	Spherical roller bearings	Withdrawal sleeves	
23048RRK+AH3048	Spherical roller bearings	Withdrawal sleeves	
24048RRK30+AH24048	Spherical roller bearings	Withdrawal sleeves	
24048RHAK30+AH24048	Spherical roller bearings	Withdrawal sleeves	
23148RHAK+AH3148	Spherical roller bearings	Withdrawal sleeves	
23148RRK+AH3148	Spherical roller bearings	Withdrawal sleeves	
24148RRK30+AH24148	Spherical roller bearings	Withdrawal sleeves	
24148RHAK30+AH24148	Spherical roller bearings	Withdrawal sleeves	
22248RK+AH2248	Spherical roller bearings	Withdrawal sleeves	
22248RHAK+AH2248	Spherical roller bearings	Withdrawal sleeves	
23248RRK+AH2348	Spherical roller bearings	Withdrawal sleeves	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23248RHAK+AH2348	Spherical roller bearings	Withdrawal sleeves	
22348RK+AH2348	Spherical roller bearings	Withdrawal sleeves	
22348RHAK+AH2348	Spherical roller bearings	Withdrawal sleeves	
23952RK+AH3952	Spherical roller bearings	Withdrawal sleeves	
23052RK+AH3052	Spherical roller bearings	Withdrawal sleeves	
23052RHAK+AH3052	Spherical roller bearings	Withdrawal sleeves	
24052RHAK30+AH24052	Spherical roller bearings	Withdrawal sleeves	
24052RRK30+AH24052	Spherical roller bearings	Withdrawal sleeves	
23152RRK+AH3152	Spherical roller bearings	Withdrawal sleeves	
23152RHAK+AH3152	Spherical roller bearings	Withdrawal sleeves	
24152RHAK30+AH24152	Spherical roller bearings	Withdrawal sleeves	
24152RRK30+AH24152	Spherical roller bearings	Withdrawal sleeves	
22252RHAK+AH2252	Spherical roller bearings	Withdrawal sleeves	
22252RK+AH2252	Spherical roller bearings	Withdrawal sleeves	
23252RK+AH2352	Spherical roller bearings	Withdrawal sleeves	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23252RHAK+AH2352	Spherical roller bearings	Withdrawal sleeves	
22352RK+AH2352	Spherical roller bearings	Withdrawal sleeves	
22352RHAK+AH2352	Spherical roller bearings	Withdrawal sleeves	
23956RK+AH3956	Spherical roller bearings	Withdrawal sleeves	
23056RK+AH3056	Spherical roller bearings	Withdrawal sleeves	
23056RHAK+AH3056	Spherical roller bearings	Withdrawal sleeves	
24056RRK30+AH24056	Spherical roller bearings	Withdrawal sleeves	
24056RHAK30+AH24056	Spherical roller bearings	Withdrawal sleeves	
23156RRK+AH3156	Spherical roller bearings	Withdrawal sleeves	
23156RHAK+AH3156	Spherical roller bearings	Withdrawal sleeves	
24156RHAK30+AH24156	Spherical roller bearings	Withdrawal sleeves	
24156RRK30+AH24156	Spherical roller bearings	Withdrawal sleeves	
22256RK+AH2256	Spherical roller bearings	Withdrawal sleeves	
22256RHAK+AH2256	Spherical roller bearings	Withdrawal sleeves	
23256RK+AH2356	Spherical roller bearings	Withdrawal sleeves	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23256RHAK+AH2356	Spherical roller bearings	Withdrawal sleeves	
22356RK+AH2356	Spherical roller bearings	Withdrawal sleeves	
22356RHAK+AH2356	Spherical roller bearings	Withdrawal sleeves	
23960RK+AH3960	Spherical roller bearings	Withdrawal sleeves	
23060RK+AH3060	Spherical roller bearings	Withdrawal sleeves	
23060RHAK+AH3060	Spherical roller bearings	Withdrawal sleeves	
24060RRK30+AH24060	Spherical roller bearings	Withdrawal sleeves	
24060RHAK30+AH24060	Spherical roller bearings	Withdrawal sleeves	
23160RHAK+AH3160	Spherical roller bearings	Withdrawal sleeves	
23160RRK+AH3160	Spherical roller bearings	Withdrawal sleeves	
24160RHAK30+AH24160	Spherical roller bearings	Withdrawal sleeves	
24160RRK30+AH24160	Spherical roller bearings	Withdrawal sleeves	
22260RHAK+AH2260	Spherical roller bearings	Withdrawal sleeves	
22260RK+AH2260	Spherical roller bearings	Withdrawal sleeves	
23260RK+AH3260	Spherical roller bearings	Withdrawal sleeves	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23260RHAK+AH3260	Spherical roller bearings	Withdrawal sleeves	
23964RK+AH3964	Spherical roller bearings	Withdrawal sleeves	
23064RK+AH3064	Spherical roller bearings	Withdrawal sleeves	
23064RHAK+AH3064	Spherical roller bearings	Withdrawal sleeves	
24064RRK30+AH24064	Spherical roller bearings	Withdrawal sleeves	
24064RHAK30+AH24064	Spherical roller bearings	Withdrawal sleeves	
23164RK+AH3164	Spherical roller bearings	Withdrawal sleeves	
23164RHAK+AH3164	Spherical roller bearings	Withdrawal sleeves	
24164RHAK30+AH24164	Spherical roller bearings	Withdrawal sleeves	
24164RRK30+AH24164	Spherical roller bearings	Withdrawal sleeves	
22264RK+AH2264	Spherical roller bearings	Withdrawal sleeves	
23264RK+AH3264	Spherical roller bearings	Withdrawal sleeves	
23264RHAK+AH3264	Spherical roller bearings	Withdrawal sleeves	
23968RK+AH3968	Spherical roller bearings	Withdrawal sleeves	
23068RK+AH3068	Spherical roller bearings	Withdrawal sleeves	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23068RHAK+AH3068	Spherical roller bearings	Withdrawal sleeves	
23168RK+AH3168	Spherical roller bearings	Withdrawal sleeves	
23168RHAK+AH3168	Spherical roller bearings	Withdrawal sleeves	
24168RHAK30+AH24168	Spherical roller bearings	Withdrawal sleeves	
24168RRK30+AH24168	Spherical roller bearings	Withdrawal sleeves	
23268RK+AH3268	Spherical roller bearings	Withdrawal sleeves	
23268RHAK+AH3268	Spherical roller bearings	Withdrawal sleeves	
23972RK+AH3972	Spherical roller bearings	Withdrawal sleeves	
23072RK+AH3072	Spherical roller bearings	Withdrawal sleeves	
23072RHAK+AH3072	Spherical roller bearings	Withdrawal sleeves	
23172RK+AH3172	Spherical roller bearings	Withdrawal sleeves	
23172RHAK+AH3172	Spherical roller bearings	Withdrawal sleeves	
24172RK30+AH24172	Spherical roller bearings	Withdrawal sleeves	
24172RHAK30+AH24172	Spherical roller bearings	Withdrawal sleeves	
23272RK+AH3272	Spherical roller bearings	Withdrawal sleeves	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23272RHAK+AH3272	Spherical roller bearings	Withdrawal sleeves	
23976RK+AH3976	Spherical roller bearings	Withdrawal sleeves	
23076RK+AH3076	Spherical roller bearings	Withdrawal sleeves	
23076RHAK+AH3076	Spherical roller bearings	Withdrawal sleeves	
23176RK+AH3176	Spherical roller bearings	Withdrawal sleeves	
23176RHAK+AH3176	Spherical roller bearings	Withdrawal sleeves	
24176RK30+AH24176	Spherical roller bearings	Withdrawal sleeves	
24176RHAK30+AH24176	Spherical roller bearings	Withdrawal sleeves	
23276RK+AH3276	Spherical roller bearings	Withdrawal sleeves	
23276RHAK+AH3276	Spherical roller bearings	Withdrawal sleeves	
23980RK+AH3980	Spherical roller bearings	Withdrawal sleeves	
23080RK+AH3080	Spherical roller bearings	Withdrawal sleeves	
23080RHAK+AH3080	Spherical roller bearings	Withdrawal sleeves	
23180RK+AH3180	Spherical roller bearings	Withdrawal sleeves	
23180RHAK+AH3180	Spherical roller bearings	Withdrawal sleeves	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
24180RK30+AH24180	Spherical roller bearings	Withdrawal sleeves	
24180RHAK30+AH24180	Spherical roller bearings	Withdrawal sleeves	
23280RK+AH3280	Spherical roller bearings	Withdrawal sleeves	
23280RHAK+AH3280	Spherical roller bearings	Withdrawal sleeves	
23984RK+AH3984	Spherical roller bearings	Withdrawal sleeves	
23084RK+AH3084	Spherical roller bearings	Withdrawal sleeves	
23084RHAK+AH3084	Spherical roller bearings	Withdrawal sleeves	
23184RK+AH3184	Spherical roller bearings	Withdrawal sleeves	
23184RHAK+AH3184	Spherical roller bearings	Withdrawal sleeves	
23284RK+AH3284	Spherical roller bearings	Withdrawal sleeves	
23284RHAK+AH3284	Spherical roller bearings	Withdrawal sleeves	
23988RK+AH3988	Spherical roller bearings	Withdrawal sleeves	
23088RK+AHX3088	Spherical roller bearings	Withdrawal sleeves	
23088RHAK+AHX3088	Spherical roller bearings	Withdrawal sleeves	
23188RK+AHX3188	Spherical roller bearings	Withdrawal sleeves	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23188RHAK+AHX3188	Spherical roller bearings	Withdrawal sleeves	
23288RK+AHX3288	Spherical roller bearings	Withdrawal sleeves	
23288RHAK+AHX3288	Spherical roller bearings	Withdrawal sleeves	
23992RK+AH3992	Spherical roller bearings	Withdrawal sleeves	
23092RK+AHX3092	Spherical roller bearings	Withdrawal sleeves	
23092RHAK+AHX3092	Spherical roller bearings	Withdrawal sleeves	
23192RK+AHX3192	Spherical roller bearings	Withdrawal sleeves	
23192RHAK+AHX3192	Spherical roller bearings	Withdrawal sleeves	
23292RK+AHX3292	Spherical roller bearings	Withdrawal sleeves	
23292RHAK+AHX3292	Spherical roller bearings	Withdrawal sleeves	
23996RK+AH3996	Spherical roller bearings	Withdrawal sleeves	
23096RK+AHX3096	Spherical roller bearings	Withdrawal sleeves	
23096RHAK+AHX3096	Spherical roller bearings	Withdrawal sleeves	
23196RK+AHX3196	Spherical roller bearings	Withdrawal sleeves	
23196RHAK+AHX3196	Spherical roller bearings	Withdrawal sleeves	

Bearing No.	Classification[1]	Classification[2]	Classification[3]
23296RK+AHX3296	Spherical roller bearings	Withdrawal sleeves	
23296RHAK+AHX3296	Spherical roller bearings	Withdrawal sleeves	
239/500RK+AH39/500	Spherical roller bearings	Withdrawal sleeves	
230/500RK+AHX30/500	Spherical roller bearings	Withdrawal sleeves	
231/500RK+AHX31/500	Spherical roller bearings	Withdrawal sleeves	
232/500RK+AHX32/500	Spherical roller bearings	Withdrawal sleeves	

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