Single row radial ball bearings - *inch*

AFBMA

Cages and shields

- **Available**
- **Feasible** (minimum quantity)
- **Out of program**

Dimensions d (inch / mm)	D (inch / mm)	B (inch / mm)	r_s min (inch / mm)	Designation WIB / NSK - RHP	Limiting speeds rpm x 1'000: Oil	Grease	Contact seals	Basic load ratings Dyn. Cr kN	Stat. Cor kN	Balls	Abutment dimensions da min (inch / mm)	Da max (inch / mm)	Mass ~ gr	Designation WIB / NSK - RHP
.1250 / 3.175	.3750 / 9.525	.1562 / 3.967	.006 / .15	**R2** / *R2*	48	40	26	0.644	0.229	7x1/16"	.165 / 4.2	.331 / 8.4	1.3	**R2** / *R2*
	.5000 / 12.700	.1719 / 4.366	.006 / .15	**R2A** / *R2A*	45	38	24	1.300	0.486	7x3/32"	.165 / 4.2	.449 / 11.4	2.8	**R2A** / *R2A*
.1875 / 4.763	.5000 / 12.700	.1562 / 3.967	.006 / .15	**R3** / *R3*	43	36	24	1.060	0.425	8x5/64"	.228 / 5.8	.449 / 11.4	0.9	**R3** / *R3*
	.5000 / 12.700	.1960 / 4.978	.006 / .15	**R3A** / *R3A*	45	38	24	1.300	0.486	7x3/32"	.228 / 5.8	.449 / 11.4	1.9	**R3A** / *R3A*
.2500 / 6.350	.6250 / 15.875	.1960 / 4.978	.006 / .15	**R4** / *R4*	41	33	22	1.480	0.618	8x3/32"	.311 / 7.9	.567 / 14.4	4.4	**R4** / *R4*
	.7500 / 19.050	.2188 / 5.558	.008 / .20	**R4ASD** / *R4A*	38	32		2.460	1.050	8x1/8"	.323 / 8.2	.677 / 17.2	7.4	**R4ASD** / *R4A*
	.7500 / 19.050	.2812 / 7.142	.008 / .20	**R4A** / *(R4A)*	38	32	22	2.460	1.050	8x1/8"	.323 / 8.2	.677 / 17.2	9.2	**R4A** / *(R4A)*
.3750 / 9.525	.8750 / 22.225	.2188 / 5.558	.008 / .20	**R6SD** / *R6*	36	29		3.330	1.410	7x5/32"	.445 / 11.3	.795 / 20.2	9.4	**R6SD** / *R6*
	.8750 / 22.225	.2812 / 7.142	.008 / .20	**R6** / *(R6)*	36	29	20	3.330	1.410	7x5/32"	.445 / 11.3	.795 / 20.2	11.5	**R6** / *(R6)*
.5000 / 12.700	1.1250 / 28.575	.2500 / 6.350	.008 / .20	**R8SD** / *R8*	32	26		5.100	2.370	8x3/16"	.551 / 14.0	1.024 / 26.0	18.7	**R8SD** / *R8*
	1.1250 / 28.575	.3125 / 7.938	.008 / .20	**R8** / *(R8)*	32	26	17	5.100	2.370	8x3/16"	.551 / 14.0	1.024 / 26.0	22.5	**R8** / *(R8)*
.6250 / 15.875	1.3750 / 34.925	.2812 / 7.142	.012 / .30	**R10SD** / *R10*	28	22		6.000	3.250	10x3/16"	.748 / 19.0	1.299 / 33.0	31.6	**R10SD** / *R10*
	1.3750 / 34.925	.3438 / 8.733	.012 / .30	**R10** / *(R10)*	28	22	13	6.000	3.250	10x3/16"	.748 / 19.0	1.299 / 33.0	37.6	**R10** / *(R10)*

Designation WIB	Cage Y Shields: Open	Z	2Z	RSR	2RSR	RSF	2RSF	RSV	2RSV	Cage J Shields: Open	Z	2Z	RSR	2RSR	RSF	2RSF	RSV	2RSV	Cage T9H Shields: Open	Z	2Z	RSR	2RSR	RSF	2RSF	RSV	2RSV	Cage TBH Shields: Open	Z	2Z	RSR	2RSR	RSF	2RSF	RSV	2RSV
R2	■	■	■	■	■	▒	▒	▒	▒										■	■	■	■	■	▒	▒	▒	▒		▒	▒	▒	▒	▒	▒	▒	▒
R2A	■	■	■	■	■	■	■	▒	▒										■	■	▒	■	▒	▒	▒	▒	▒		▒	▒	▒	▒	▒	▒	▒	▒
R3	■	■	■	■	■	▒	▒	▒	▒										▒	▒	▒	▒	▒	▒	▒	▒	▒		▒	▒	▒	▒	▒	▒	▒	▒
R3A	■	■	■	■	■	■	■	▒	▒										■	■	■	■	■	▒	▒	▒	▒		▒	▒	▒	▒	▒	▒	▒	▒
R4	■	■	■	■	■	▒	▒	▒	▒										■	■	■	■	■	▒	▒	▒	▒		▒	▒	▒	▒	▒	▒	▒	▒
R4ASD	■																		■									■								
R4A	■	■	■	■	■	■	■	■	■										■	■	■	■	■	■	■	■	■	■	■	▒	■	▒	■	▒	■	▒
R6SD	■									■									■									▒								
R6	■	■	■	■	■	▒	▒	▒	▒	■	■	■	■	■	▒	▒	▒	▒	■	■	■	■	■	▒	▒	▒	▒	▒	▒	▒	▒	▒	▒	▒	▒	▒
R8SD	■																		■									■								
R8	■	■	■	■	■	■	■	■	■										■	■	■	■	■	■	■	■	■	■	■	▒	■	▒	■	▒	■	▒
R10SD	■																		■									▒								
R10	■	■	■	■	■	■	▒	■	■										■	■	▒	■	▒	▒	▒	■	▒	▒	▒	▒	▒	▒	▒	▒	▒	▒

( ) Increased width in order to accomodate the shields

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Single row radial ball bearings - *inch*

BS292

Cages and shields

- **Available**
- **Feasible** (minimum quantity)
- **Out of program**

Dimensions d	D inch / mm	B	r_s min	Designation WIB / *NSK - RHP*	Limiting speeds rpm x 1'000 Oil	Grease	Contact seals	Basic load ratings Dyn. Cr kN	Stat. Cor kN	Balls	Abutment dimensions da min inch / mm	Da max	Mass ~ gr	Designation WIB / *NSK - RHP*	Cage Y Shields Open	Z	ZZ	RSR	2RSR	RSF	2RSF	RSV	2RSV	Cage J Shields Open	Z	ZZ	RSR	2RSR	RSF	2RSF	RSV	2RSV	Cage T9H Shields Open	Z	ZZ	RSR	2RSR	RSF	2RSF	RSV	2RSV	Cage TBH Shields Open	Z	ZZ	RSR	2RSR	RSF	2RSF	RSV	2RSV
.1250 3.175	.3750 9.525	.1562 3.967	.006 .15	**KLNJ1/8** *KLNJ1/8*	48	40	26	0.644	0.229	7x1/16"	.165 4.2	.331 8.4	1.3	**KLNJ1/8** *KLNJ1/8*	■	■	■	■	■	□	□	□	□										■	■	■	■	■	□	□	□	□	□	□	□	□	□	□	□	□
.1875 4.763	.5000 12.700	.1562 3.967	.006 .15	**KLNJ3/16** *KLNJ3/16*	43	36	24	1.060	0.425	8x5/64"	.228 5.8	.449 11.4	0.9	**KLNJ3/16** *KLNJ3/16*	■	■	■	■	■	□	□	□	□										□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
.2500 6.350	.7500 19.050	.2188 5.558	.008 .20	**KLNJ1/4SD** *KLNJ1/4*	38	32		2.460	1.050	8x1/8"	.323 8.2	.677 17.2	7.4	**KLNJ1/4SD** *KLNJ1/4*	■																		■									■								
	.7500 19.050	.2812 7.142	.008 .20	**KLNJ1/4** *(KLNJ1/4)*	38	32	22	2.460	1.050	8x1/8"	.323 8.2	.677 17.2	9.2	**KLNJ1/4** *(KLNJ1/4)*	■	■	■	■	■	■	■	■	■										■	■	■	■	■	■	■	■	■	■	■	□	■	□	■	□	■	□
.3750 9.525	.8750 22.225	.2188 5.558	.008 .20	**KLNJ3/8SD** *KLNJ3/8*	36	29		3.330	1.410	7x5/32"	.445 11.3	.795 20.2	9.4	**KLNJ3/8SD** *KLNJ3/8*	■									■									■									□								
	.8750 22.225	.2812 7.142	.008 .20	**KLNJ3/8** *(KLNJ3/8)*	36	29	20	3.330	1.410	7x5/32"	.445 11.3	.795 20.2	11.5	**KLNJ3/8** *(KLNJ3/8)*	■	■	■	■	■	□	□	□	□	■	■	■	■	■	□	□	□	□	■	■	■	■	■	□	□	□	□	□	□	□	□	□	□	□	□
.5000 12.700	1.1250 28.575	.2500 6.350	.008 .20	**KLNJ1/2SD** *KLNJ1/2*	32	26		5.100	2.370	8x3/16"	.551 14.0	1.024 26.0	18.7	**KLNJ1/2SD** *KLNJ1/2*	■																		■									■								
	1.1250 28.575	.3125 7.938	.015 .38	**KLNJ1/2** *(KLNJ1/2)*	32	26	17	5.100	2.370	8x3/16"	.551 14.0	1.024 26.0	22.5	**KLNJ1/2** *(KLNJ1/2)*	■	■	■	■	■	■	■	■	■										■	■	■	■	■	■	■	□	□	■	■	□	■	□	■	□	□	□
	1.3125 33.338	.3750 9.525	.039 1.00	**RLS4** *LJ1/2 [LS5]*	30	24	15	6.890	3.090	7x6mm	.630 16.0	1.102 28.0	41.9	**RLS4** *LJ1/2*	■	■	■	■	■	□	□	■	■										■	■	□	■	□	□	□	■	□	■	■	□	■	□	□	■	□	□
.6250 15.875	1.3750 34.925	.2812 7.142	.012 .30	**KLNJ5/8SD** *KLNJ5/8*	28	22		6.000	3.250	10x3/16"	.748 19.0	1.299 33.0	31.6	**KLNJ5/8SD** *KLNJ5/8*	■																		■									□								
	1.3750 34.925	.3438 8.733	.012 .30	**KLNJ5/8** *(KLNJ5/8)*	28	22	13	6.000	3.250	10x3/16"	.748 19.0	1.299 33.0	37.6	**KLNJ5/8** *(KLNJ5/8)*	■	■	■	■	■	■	□	□	□										■	■	□	■	□	■	□	□	□	□	□	□	□	□	□	□	□	□
	1.5625 39.688	.4375 11.113	.039 1.00	**RLS5** *LJ5/8 [LS7]*	22	18	12	9.550	4.760	8x17/64"	.827 21.0	1.417 36.0	65.9	**RLS5** *LJ5/8*																			■	■	□	■	□	□	□	■	□	■	■	□	■	□	□	■	□	□

( ) Increased width in order to accomodate the shields

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