Single row radial ball bearings - Inch

AFBMA

Cages and shields

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

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

Designation	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

PRECISION BALL BEARINGS STANDARD AND SPECIAL
WIB SA, Champ-Barby 61, 1630 BULLE, Switzerland
Tel: (+41) 26 919 11 22 , Fax: (+41) 26 919 11 20
http:\\www.wib-bearings.com info@wib-bearings.com

Single row radial ball bearings - Inch (Continued)

BS292

Cages and shields

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

Dimensions d (inch / mm)	D (inch / mm)	B (inch / mm)	r_s min (inch / mm)	Designation	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
.1250 / 3.175	.3750 / 9.525	.1562 / 3.967	.006 / .15	**KLNJ1/8**	48	40	26	0.644	0.229	7x1/16"	.165 / 4.2	.331 / 8.4	1.3	**KLNJ1/8**
.1875 / 4.763	.5000 / 12.700	.1562 / 3.967	.006 / .15	**KLNJ3/16**	43	36	24	1.060	0.425	8x5/64"	.228 / 5.8	.449 / 11.4	0.9	**KLNJ3/16**
.2500 / 6.350	.7500 / 19.050	.2188 / 5.558	.008 / .20	**KLNJ1/4SD**	38	32		2.460	1.050	8x1/8"	.323 / 8.2	.677 / 17.2	7.4	**KLNJ1/4SD**
	.7500 / 19.050	.2812 / 7.142	.008 / .20	**KLNJ1/4**	38	32	22	2.460	1.050	8x1/8"	.323 / 8.2	.677 / 17.2	9.2	**KLNJ1/4**
.3750 / 9.525	.8750 / 22.225	.2188 / 5.558	.008 / .20	**KLNJ3/8SD**	36	29		3.330	1.410	7x5/32"	.445 / 11.3	.795 / 20.2	9.4	**KLNJ3/8SD**
	.8750 / 22.225	.2812 / 7.142	.008 / .20	**KLNJ3/8**	36	29	20	3.330	1.410	7x5/32"	.445 / 11.3	.795 / 20.2	11.5	**KLNJ3/8**
.5000 / 12.700	1.1250 / 28.575	.2500 / 6.350	.008 / .20	**KLNJ1/2SD**	32	26		5.100	2.370	8x3/16"	.551 / 14.0	1.024 / 26.0	18.7	**KLNJ1/2SD**
	1.1250 / 28.575	.3125 / 7.938	.015 / .38	**KLNJ1/2**	32	26	17	5.100	2.370	8x3/16"	.551 / 14.0	1.024 / 26.0	22.5	**KLNJ1/2**
	1.3125 / 33.338	.3750 / 9.525	.039 / 1.00	**RLS4**	30	24	15	6.890	3.090	7x6mm	.630 / 16.0	1.102 / 28.0	41.9	**RLS4**
.6250 / 15.875	1.3750 / 34.925	.2812 / 7.142	.012 / .30	**KLNJ5/8SD**	28	22		6.000	3.250	10x3/16"	.748 / 19.0	1.299 / 33.0	31.6	**KLNJ5/8SD**
	1.3750 / 34.925	.3438 / 8.733	.012 / .30	**KLNJ5/8**	28	22	13	6.000	3.250	10x3/16"	.748 / 19.0	1.299 / 33.0	37.6	**KLNJ5/8**
	1.5625 / 39.688	.4375 / 11.113	.039 / 1.00	**RLS5**	22	18	12	9.550	4.760	8x17/64"	.827 / 21.0	1.417 / 36.0	65.9	**RLS5**

Designation	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
KLNJ1/8	■	■	■	■	■														■	■	■	■	■														
KLNJ3/16	■	■	■	■	■																																
KLNJ1/4SD	■																		■									■									
KLNJ1/4	■	■	■	■	■	■	■	■	■										■	■	■	■	■	■	■	■	■	■	■		■		■		■	■	
KLNJ3/8SD	■									■									■																		
KLNJ3/8	■	■	■	■	■					■	■	■	■	■					■	■	■	■	■														
KLNJ1/2SD	■																		■									■									
KLNJ1/2	■	■	■	■	■	■	■	■	■										■	■	■	■	■	■	■			■	■		■		■				
RLS4	■	■	■	■	■			■	■										■	■		■				■		■	■		■					■	
KLNJ5/8SD	■																		■																		
KLNJ5/8	■	■	■	■	■	■													■	■		■		■													
RLS5																			■	■		■				■		■	■		■					■	

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