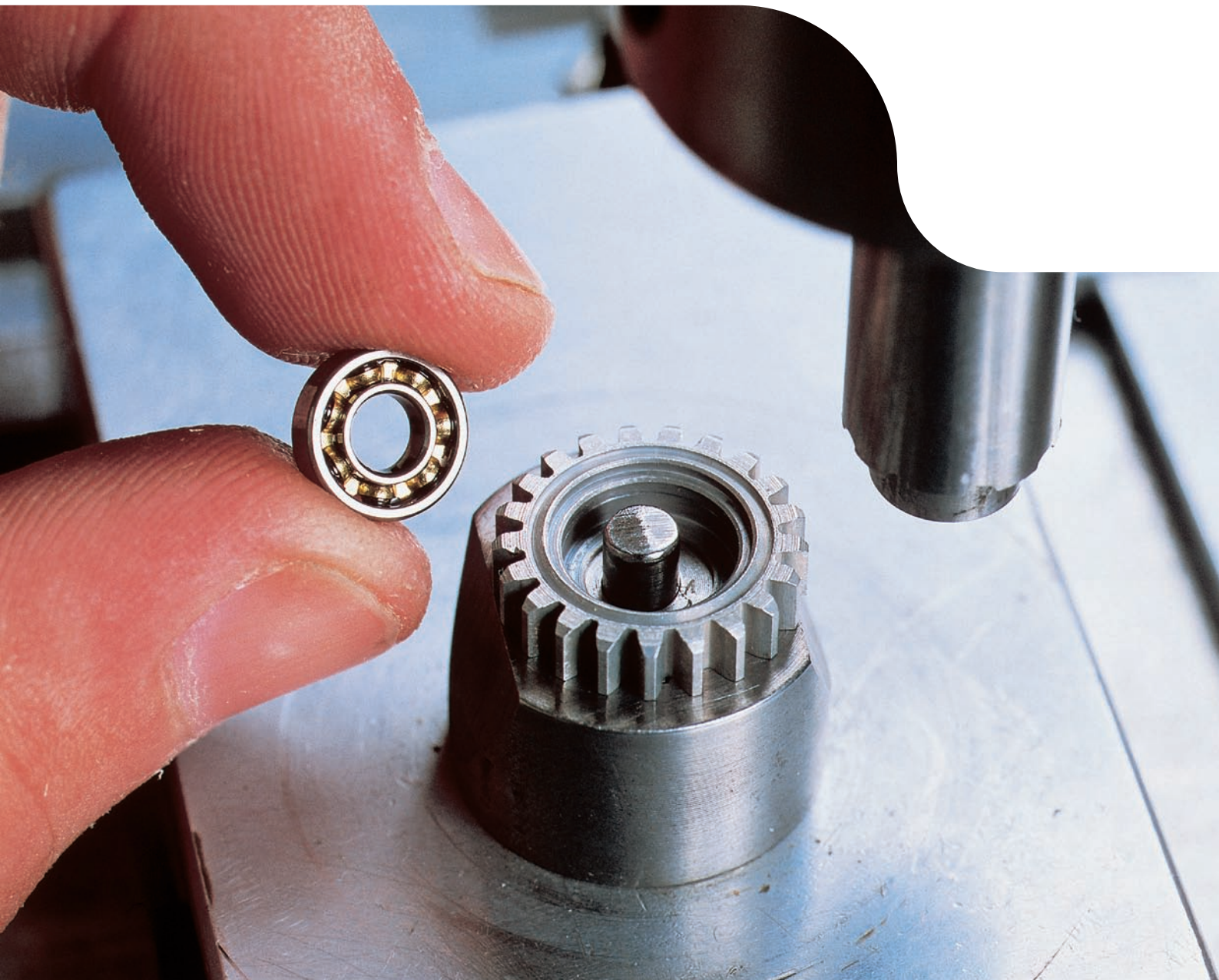




# Stainless steel deep groove ball bearings

Miniature and slim selection

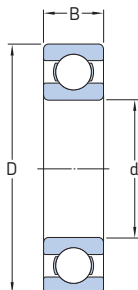


## Contents

- 3 Metric stainless steel deep groove ball bearings
- 8 Metric stainless steel deep groove ball bearings with flanges
- 10 Inch stainless steel deep groove ball bearings
- 11 Inch stainless steel deep groove ball bearings with flanges

Metric stainless steel deep groove ball bearings

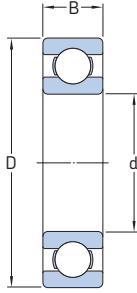
d 1 – 3 mm



Principal dimensions			Designation
d	D	B	
mm			
1	3	1	W 618/1
	3	1,5	W 638/1
	4	1,6	W 619/1
1,2	4	1,8	–
	4	2,5	–
1,5	4	1,2	W 618/1.5
	4	2	W 638/1.5-2RS1
	4	2	W 638/1.5-2Z
	5	1,7	–
	5	2	W 619/1.5
	5	2	W 619/1.5-2Z
	5	2,6	W 639/1.5-2RS1
	5	2,6	W 639/1.5-2Z
	6	2,5	W 60/1.5
	6	3	W 60/1.5-2RS1
	6	3	W 60/1.5-2Z
	2	4	1,2
4		2	W 637/2-2RS1
4		2	W 637/2-2Z
5		1,5	W 618/2
5		2	W 628/2
5		2,3	W 638/2-2RS1
5		2,3	W 638/2-2Z
5		2,5	W 648/2-2RS1
5		2,5	W 648/2-2Z
6		2	–
6		2,3	W 619/2
6		2,3	W 619/2-2RS1
6		2,3	W 619/2-2Z
6		2,5	W 629/2
6		2,5	W 629/2-2RS1
6		2,5	W 629/2-2Z
6		3	W 639/2-2RS1
6		3	W 639/2-2Z
7		2,5	W 600/2
7		2,8	W 602
7		3	W 620/2-2Z
7	3,5	W 630/2-2Z	

Principal dimensions			Designation
d	D	B	
mm			
2,35	5	1,5	–
	5	2,3	–
	5,5	2	–
2,5	5	1,5	–
	5	2,3	–
	6	1,8	W 618/2.5
	6	2,6	W 638/2.5-2RS1
	6	2,6	W 638/2.5-2Z
	7	2,5	W 619/2.5
	7	3	–
	7	3,5	W 639/2.5-2RS1
	7	3,5	W 639/2.5-2Z
	8	2,8	W 60/2.5
	8	2,8	W 60/2.5-2RS1
	8	2,8	W 60/2.5-2Z
	8	4	W 630/2.5-2RS1
	8	4	W 630/2.5-2Z
	3	6	2
6		2	W 617/3-2Z
6		2,5	W 627/3-2RS1
6		2,5	W 627/3-2Z
6		3	–
7		2	W 618/3
7		3	W 638/3-2RS1
7		3	W 638/3-2Z
8		2,5	W 609/3
8		3	W 619/3
8		3	W 619/3-2RS1
8		3	W 619/3-2Z
8		4	W 639/3-2RS1
8		4	W 639/3-2Z
9		2,5	W 600/3
9		3	W 603
9		4	W 620/3-2RS1
9		4	W 620/3-2Z
10	4	W 623	
10	4	W 623-2RS1	
10	4	W 623-2Z	

Metric stainless steel deep groove ball bearings  
d 4 – 5 mm



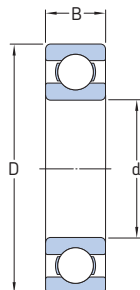
Principal dimensions			Designation
d	D	B	
mm			
4	7	2	W 617/4
	7	2	W 617/4-2Z
	7	2,5	W 627/4-2Z
	7	3	–
	8	2	–
	8	3	–
	9	2,5	W 618/4
	9	3,5	W 628/4-2RS1
	9	3,5	W 628/4-2Z
	9	4	W 638/4-2RS1
	9	4	W 638/4-2Z
	10	3	–
	10	4	–
	11	4	W 619/4
	11	4	W 619/4-2RS1
	11	4	W 619/4-2Z
	12	4	W 604
	12	4	W 604-2RS1
	12	4	W 604-2Z
	13	5	W 624
13	5	W 624-2RS1	
13	5	W 624-2Z	
16	5	W 634	
16	5	W 634-2RS1	
16	5	W 634-2Z	

Principal dimensions			Designation
d	D	B	
mm			
5	8	2	W 617/5
	8	2	W 617/5-2Z
	8	2,5	W 627/5-2Z
	10	4	–
	11	3	W 618/5
	11	4	W 628/5-2RS1
	11	4	W 628/5-2Z
	11	5	W 638/5-2RS1
	11	5	W 638/5-2Z
	13	4	W 619/5
	13	4	W 619/5-2RS1
	13	4	W 619/5-2Z
	13	5	–
	14	5	W 605
	14	5	W 605-2RS1
	14	5	W 605-2Z
	16	5	W 625
	16	5	W 625-2RS1
	16	5	W 625-2Z
	19	6	W 635
19	6	W 635-2RS1	
19	6	W 635-2Z	

For missing designations, please contact SKF

Metric stainless steel deep groove ball bearings

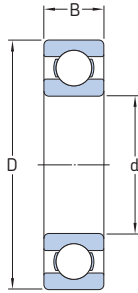
d 6 – 9 mm



Principal dimensions			Designation
d	D	B	
mm			
6	10	2,5	W 617/6
	10	3	W 627/6-2Z
	10	3,5	–
	12	3	–
	12	4	–
	13	3,5	W 618/6
	13	4,5	–
	13	5	W 628/6-2RS1
	13	5	W 628/6-2Z
	15	5	W 619/6
	15	5	W 619/6-2RS1
	15	5	W 619/6-2Z
	16	5	–
	17	6	W 606
	17	6	W 606-2RS1
	17	6	W 606-2Z
	19	6	W 626
	19	6	W 626-2RS1
	19	6	W 626-2Z
	7	11	2,5
11		3	W 617/7-2Z
11		3,5	–
13		3	–
13		4	–
14		3,5	W 618/7
14		4	–
14		5	W 628/7
14		5	W 628/7-2RS1
14		5	W 628/7-2Z
17		5	W 619/7
17		5	W 619/7-2RS1
17		5	W 619/7-2Z
19		6	W 607
19		6	W 607-2RS1
19		6	W 607-2Z
22		7	W 627
22		7	W 627-2RS1
22		7	W 627-2Z

Principal dimensions			Designation
d	D	B	
mm			
8	12	2,5	W 617/8
	12	3	W 637/8-2Z
	14	3,5	–
	14	4	–
	16	4	W 618/8
	16	5	W 628/8-2RS1
	16	5	W 628/8-2Z
	16	6	W 638/8-2RS1
	16	6	W 638/8-2Z
	19	6	W 619/8
	19	6	W 619/8-2RS1
	19	6	W 619/8-2Z
	22	6	–
	22	7	W 608
	22	7	W 608-2RS1
	22	7	W 608-2Z
	24	8	W 628
	24	8	W 628-2RS1
	24	8	W 628-2Z
	9	14	3
14		4,5	W 637/9-2Z
17		4	W 618/9
17		5	W 628/9-2RS1
17		5	W 628/9-2Z
17		6	W 638/9-2Z
20		6	W 619/9
20		6	W 619/9-2RS1
20		6	W 619/9-2Z
24		7	W 609
24		7	W 609-2RS1
24		7	W 609-2Z
26		8	W 629
26		8	W 629-2RS1
26		8	W 629-2Z

Metric stainless steel deep groove ball bearings  
d 10 – 30 mm

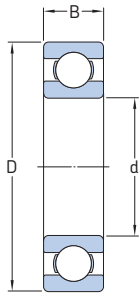


Principal dimensions			Designation
d	D	B	
mm			
10	15	3	W 61700
	15	4	W 61700-2RS1
	15	4	W 61700-2Z
	15	4,5	–
	19	5	W 61800
	19	5	W 61800-2RS1
	19	5	W 61800-2Z
	19	7	W 63800
	19	7	W 63800-2RS1
	19	7	W 63800-2Z
	22	6	W 61900
	22	6	W 61900-2RS1
22	6	W 61900-2Z	
12	18	4	W 61701
	18	4	W 61701-2RS1
	18	4	W 61701-2Z
	21	5	W 61801
	21	5	W 61801-2RS1
	21	5	W 61801-2Z
	21	7	W 63801
	21	7	W 63801-2RS1
	21	7	W 63801-2Z
	24	6	W 61901
	24	6	W 61901-2RS1
	24	6	W 61901-2Z
15	21	4	W 61702
	21	4	W 61702-2RS1
	21	4	W 61702-2Z
	24	5	W 61802
	24	5	W 61802-2RS1
	24	5	W 61802-2Z
	24	7	W 63802
	24	7	W 63802-2RS1
	24	7	W 63802-2Z
	28	7	W 61902
	28	7	W 61902-2RS1
	28	7	W 61902-2Z
	55	10	W 61907
	55	10	W 61907-2RS1
	55	10	W 61907-2Z

Principal dimensions			Designation	
d	D	B		
mm				
17	23	4	W 61703	
	23	4	W 61703-2RS1	
	23	4	W 61703-2Z	
	26	5	W 61803	
	26	5	W 61803-2RS1	
	26	5	W 61803-2Z	
	26	7	W 63803	
	30	7	W 61903	
	30	7	W 61903-2RS1	
	30	7	W 61903-2Z	
	32	8	–	
	20	27	4	W 61704
27		4	W 61704-2RS1	
27		4	W 61704-2Z	
32		7	W 61804	
32		7	W 61804-2RS1	
32		7	W 61804-2Z	
22	39	9	–	
	25	32	4	W 61705
		32	4	W 61705-2RS1
32		4	W 61705-2Z	
25	37	7	W 61805	
	37	7	W 61805-2RS1	
	37	7	W 61805-2Z	
25	42	9	W 61905	
	42	9	W 61905-2RS1	
	42	9	W 61905-2Z	
28	45	9	–	
	30	37	4	W 61706
		37	4	W 61706-2Z
30	42	7	W 61806	
	42	7	W 61806-2RS1	
	42	7	W 61806-2Z	
30	47	9	W 61906	
	47	9	W 61906-2RS1	
	47	9	W 61906-2Z	

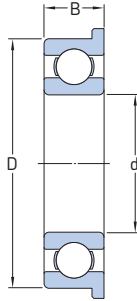
For missing designations, please contact SKF

Metric stainless steel deep groove ball bearings  
d 32 – 45 mm



Principal dimensions			Designation
d	D	B	
mm			
32	52	10	-
35	44	5	W 61707
	44	5	W 61707-2RS1
	44	5	W 61707-2Z
	47	7	W 61807
	47	7	W 61807-2RS1
	47	7	W 61807-2Z
	55	10	W 61907
	55	10	W 61907-2RS1
	55	10	W 61907-2Z
40	50	6	W 61708
	50	6	W 61708-2RS1
	50	6	W 61708-2Z
	52	7	W 61808
	52	7	W 61808-2RS1
	52	7	W 61808-2Z
	62	12	W 61908
	62	12	W 61908-2RS1
	62	12	W 61908-2
45	55	6	W 61709
	55	6	W 61709-2RS1
	55	6	W 61709-2Z
	58	7	W 61809
	58	7	W 61809-2RS1

Metric stainless steel deep groove ball bearings with flanges  
d 1,5 – 5 mm



Principal dimensions			Designation
d	D	B	
mm			
1,5	4	1,22	W 618/1.5 R
	4	2	W 638/1.5-2RS1R
	4	2	W 638/1.5-2ZR
	5	1,7	–
	5	2	W 619/1.5 R
2	5	2,6	W 639/1.5-2RS1R
	5	2,6	W 639/1.5-2ZR
	5	1,5	W 618/2 R
	5	2	W 628/2 R
	5	2,3	W 638/2-2RS1R
2,5	5	2,3	W 638/2-2ZR
	5	2,5	W 648/2-2RS1R
	5	2,5	W 648/2-2ZR
	6	2,3	W 619/2 R
	6	2,3	–
	6	3	W 639/2-2RS1R
	6	3	W 639/2-2ZR
	7	2,5	W 600/2 R
	7	2,8	W 602 R
	7	3	W 620/2-2ZR
	7	3,5	W 630/2-2ZR
	6	1,8	W 618/2.5 R
	6	2,6	W 638/2.5-2RS1R
	6	2,6	W 638/2.5-2ZR
	7	2,5	W 619/2.5 R
7	3,5	W 639/2.5-2RS1R	
7	3,5	W 639/2.5-2ZR	
8	2,8	W 60/2.5 R	
8	4	W 630/2.5-2RS1R	
8	4	W 630/2.5-2ZR	
3	6	2	W 617/3 R
	6	2,5	W 627/3-2RS1R
	6	2,5	W 627/3-2ZR
	7	2	W 618/3 R
	7	3	W 638/3-2RS1R
	7	3	W 638/3-2ZR
	8	4	W 639/3-2RS1R
	8	4	W 639/3-2ZR

Principal dimensions			Designation
d	D	B	
mm			
3	9	2,5	W 600/3-2ZR
	9	4	W 620/3-2RS1R
	9	4	W 620/3-2ZR3
	10	4	W 623 R
	10	4	W 623-2RS1R
4	10	4	W 623-2ZR
	7	2	W 617/4 R
	7	2,5	W 627/4-2ZR
	8	2	–
	8	3	–
	9	2,5	W 618/4 R
	9	3,5	–
	9	4	W 638/4-2RS1R
	9	4	W 638/4-2ZR
	10	3	– <sup>1)</sup>
	10	4	– <sup>2)</sup>
	11	4	W 619/4 R
	11	4	W 619/4-2RS1R
	11	4	W 619/4-2ZR
	12	4	W 604 R
12	4	W 604-2RS1R	
12	4	W 604-2ZR	
13	5	W 624 R	
13	5	W 624-2RS1R	
13	5	W 624-2ZR	
16	5	W 634 R	
16	5	W 634-2RS1R	
16	5	W 634-2ZR	
5	8	2	W 617/5 R
	8	2,5	W 627/5-2ZR
	9	2,5	–
	9	3	–
	10	3	–
	10	4	–
	11	3	W 618/5 R
	11	4	W 628/5-2RS1R

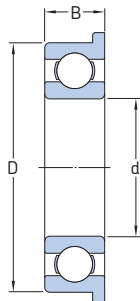
For missing designations, please contact SKF

<sup>1)</sup> Available with flange dimension: 11,2 × 0,6 and 11,5 × 0,8

<sup>2)</sup> Available with flange dimension: 11,6 × 0,8 and 11,5 × 1,0



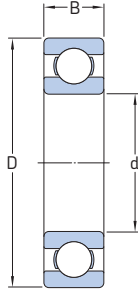
Metric stainless steel deep groove ball bearings with flanges  
d 6 – 10 mm



Principal dimensions			Designation
d	D	B	
mm			
6	10	2,5	W 617/6 R
	10	3	W 627/6-2ZR
	12	3	–
	12	4	–
	13	3,5	W 618/6R
	13	4,5	–
	13	5	W 628/6-2RS1R
	13	5	W 628/6-2ZR
	15	5	W 619/6 R
	15	5	W 619/6-2RS1R
	15	5	W 619/6-2ZR
	19	6	W 626 R
	19	6	W 626-2RS1R
	19	6	W 626-2ZR
	7	11	2,5
11		3	W 627/7-2ZR
13		3	–
13		4	–
14		3,5	W 618/7 R
14		5	W 628/7-2RS1R
14		5	W 628/7-2ZR
17		5	W 619/7 R
17		5	W 619/7-2RS1R
17		5	W 619/7-2ZR
19		6	W 607 R
19		6	W 607-2RS1R
19		6	W 607-2ZR
22		7	W 627 R
22		7	W 627-2RS1R
22	7	W 627-2ZR	

Principal dimensions			Designation	
d	D	B		
mm				
8	12	2,5	W 617/8 R	
	12	3,5	W 637/8-2ZR	
	14	3,5	–	
	14	4	–	
	16	4	W 618/8 R	
	16	5	W 628/8-2RS1R	
	16	5	W 628/8-2ZR	
	16	6	W 638/8-2ZR	
	19	6	W 619/8 R	
	19	6	W 619/8-2RS1R	
	19	6	W 619/8-2ZR	
	22	7	W 608 R	
	22	7	W 608-2RS1R	
	22	7	W 608-2ZR	
	9	17	4	W 618/9 R
17		5	W 628/9-2RS1R	
17		5	W 628/9-2ZR	
17		6	W 638/9-2ZR	
20		6	W 619/9 R	
20		6	W 619/9-2RS1R	
20		6	W 619/9-2ZR	
10		15	3	W 61700 R
		15	4	W 61700-2RS1R
	15	4	W 61700-2ZR	
	19	5	W 61800 R	
	19	5	W 61800-2RS1R	
	19	5	W 61800-2ZR	
	19	7	W 63800 R	
	19	7	W 63800-2RS1R	
	19	7	W 63800-2ZR	

Inch stainless steel deep groove ball bearings  
d 1,01 – 19,05 in.

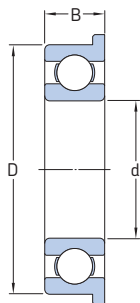


Principal dimensions			Designation
d	D	B	
in.			
1,01	3,17	1,19	–
1,19	3,96	1,58	–
	3,96	2,38	–
1,39	4,76	1,98	–
	4,76	2,77	–
1,98	6,35	2,38	WEYY 001
	6,35	3,57	WEYYB 001-2Z
2,38	4,76	1,58	–
	4,76	2,38	–
	7,32	1,58	–
	7,93	2,77	–
3,17	7,93	3,57	–
	6,35	2,38	–
3,17	6,35	2,38	WEEA 002
	6,35	2,38	WEAB 002-2Z
	6,35	2,77	–
	7,93	2,77	WEEX 002
	7,93	3,57	WEEXB 002-2RS1
	7,93	3,57	WEEXB 002-2Z
	9,52	2,77	–
	9,52	3,57	–
	9,52	3,96	WEER 002
	9,52	3,96	WEER 002-2RS1
	9,52	3,96	WEER 002-2Z
	10,41	2,38	–
10,41	2,77	–	
10,79	2,77	–	
12,7	2,77	–	
3,96	12,7	4,36	WEE 1
	12,7	4,36	WEE 1-2RS1
	12,7	4,36	WEE 1-2Z
	12,7	4,36	–
3,96	7,93	2,77	WEYY 002
	7,93	3,17	WEYYB 002-2Z
4,76	7,93	2,77	WEEA 003
	7,93	3,17	WEAB 003-2Z
4,76	9,52	3,17	WEEX 003
	9,52	3,17	WEEX 003-2RS1
	9,52	3,17	WEEX 003-2Z

Principal dimensions			Designation	
d	D	B		
in.				
4,76	12,7	2,77	–	
	12,7	3,96	WEYY 003	
	12,7	4,97	WEYYB 003-2RS1	
	12,7	4,97	WEYYB 003-2Z	
4,76	22,22	4,97	–	
	22,22	4,97	–	
6,35	9,52	3,17	WEAA 004	
	9,52	3,17	WEAA 004-2Z	
6,35	12,7	3,17	WEER 004	
	12,7	4,76	WEERB 004-2RS1	
	12,7	4,76	WEERB 004-2Z	
6,35	15,87	4,97	WEYY 004	
	15,87	4,97	WEYY 004-2RS1	
	15,87	4,97	WEYY 004-2Z	
6,35	19,05	5,55	WEE 2	
	19,05	7,14	WEEB 2-2RS1	
	19,05	7,14	WEEB 2-2Z	
7,93	12,7	3,96	–	
9,52	15,87	3,96	–	
	22,22	5,55	WEE 3	
	22,22	7,14	WEEB 3-2RS1	
9,52	22,22	7,14	WEEB 3-2Z	
	12,7	19,05	3,96	–
	28,57	6,35	WR 8	
9,52	28,57	7,94	WR 8-2RS1	
	28,57	7,94	WR 8-2Z	
15,87	22,22	3,96	–	
	34,92	7,14	WEE 5	
	34,92	8,73	WEEB 5-2RS1	
15,87	34,92	8,73	WEEB 5-2Z	
	19,05	25,4	3,96	–
19,05	41,27	7,93	WEE 6	
	41,27	11,11	WEEB 6-2RS1	
	41,27	11,11	WEEB 6-2Z	

For missing designations, please contact SKF

Inch stainless steel deep groove ball bearings with flanges  
d 1,19 – 12,7 in.



Principal dimensions			Designation
d	D	B	
in.			
1,19	3,96	1,58	–
	3,96	2,38	–
1,39	4,76	1,98	–
	4,76	2,77	–
1,98	6,35	2,38	WE EY 001 R
	6,35	3,57	WE EYB 001-2ZR
2,38	4,76	1,58	–
	4,76	2,38	–
	7,93	2,77	–
	7,93	3,57	–
3,17	6,35	2,38	WE EA 002 R
	6,35	2,77	WE EAB 002-2ZR
	7,93	2,77	WE EX 002 R
	7,93	3,57	WE EXB 002-2RS1R
	7,93	3,57	WE EXB 002-2ZR
		9,52	2,77
		9,52	3,57
		9,52	3,96
		9,52	3,96
		9,52	3,96
3,96		7,93	2,77
	7,93	3,17	WE EYB 002-2ZR
4,76	7,93	2,77	WE EA 003 R
	7,93	3,17	WE EAB 003-2ZR
	9,52	3,17	WE EX 003 R
	9,52	3,17	WE EX 003-2RS1R
	9,52	3,17	WE EX 003-2ZR
		12,7	3,96
		12,7	4,97
		12,7	4,97
6,35		9,52	3,17
	9,52	3,17	WE EA 004-2ZR
	12,7	3,17	WE ER 004 R
	12,7	4,76	WE ERB 004-2RS1R
	12,7	4,76	WE ERB 004-2ZR
		15,87	4,97
		15,87	4,97
		15,87	4,97

Principal dimensions			Designation
d	D	B	
in.			
7,93	12,7	3,96	–
9,52	15,87	3,96	–
	22,22	5,55	WE E 3 R
	22,22	7,14	WE EB 3-2RS1R
	22,22	7,14	WE EB 3-2ZR
12,7	28,57	6,35	WR 8 R
	28,57	7,94	WR 8-2RS1R
	28,57	7,94	WR 8-2ZR

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