

Deep Groove Ball Bearings

└ Extra Small Ball Bearings and Miniature Ball Bearings Inch Design

Boundary Dimensions (mm)					Basic Load Ratings (N)		Limiting Speeds (min ⁻¹)		Bearing Numbers	NSKHPS
<i>d</i>	<i>D</i>	<i>B</i>	<i>B1</i>	<i>r</i> min.	<i>C_r</i>	<i>C_{0r}</i>	Grease	Oil		
1.016	3.175	1.191	-	0.1	96	25	130000	150000	R09	
1.191	3.967	1.588	-	0.1	138	35	110000	130000	R0	
1.191	3.967	-	2.38	0.1	138	35	110000	-	R0ZZS	
1.397	4.762	1.984	-	0.1	231	66	90000	110000	R1	
1.397	4.762	-	2.779	0.1	231	66	90000	-	R1ZZS	
1.984	6.35	2.38	-	0.1	310	108	67000	80000	R1-4	
1.984	6.35	-	3.571	0.1	310	108	67000	-	R1-4ZZS	
2.38	4.762	1.588	-	0.1	188	60	80000	95000	R133	
2.38	4.762	-	2.38	0.1	188	60	80000	-	R133ZZS	
2.38	7.938	2.779	-	0.15	550	175	60000	71000	R1-5	
2.38	7.938	-	3.571	0.15	550	175	60000	-	R1-5ZZS	
3.175	6.35	2.38	-	0.1	283	95	67000	80000	R144	
3.175	6.35	-	2.779	0.1	283	95	67000	-	R144ZZ	
3.175	7.938	2.779	-	0.1	560	179	60000	67000	R2-5	
3.175	7.938	-	3.571	0.1	560	179	60000	-	R2-5ZZ	
3.175	9.525	2.779	-	0.15	640	225	53000	63000	R2-6	
3.175	9.525	-	3.571	0.15	640	225	53000	-	R2-6ZZS	
3.175	9.525	3.967	-	0.3	630	218	56000	67000	R2	
3.175	9.525	-	3.967	0.3	630	218	56000	-	R2ZZ	
3.175	12.7	4.366	-	0.3	640	225	53000	63000	R2A	
3.175	12.7	-	4.366	0.3	640	225	53000	-	R2AZZ	
3.967	7.938	2.779	-	0.1	360	149	53000	63000	R155	
3.967	7.938	-	3.175	0.1	360	149	53000	-	R155ZZS	
4.762	7.938	2.779	-	0.1	360	149	53000	63000	R156	
4.762	7.938	-	3.175	0.1	360	149	53000	-	R156ZZS	
4.762	9.525	3.175	-	0.1	710	270	50000	60000	R166	
4.762	9.525	-	3.175	0.1	710	270	50000	-	R166ZZ	
4.762	12.7	3.967	-	0.3	1300	485	43000	53000	R3	
4.762	12.7	-	4.978	0.3	1300	485	43000	-	R3ZZ	
6.35	9.525	3.175	-	0.1	375	173	48000	56000	R168	
6.35	9.525	-	3.175	0.1	375	173	48000	-	R168ZZ	
6.35	12.7	3.175	-	0.15	1080	440	40000	50000	R188	
6.35	12.7	-	4.762	0.15	1080	440	40000	-	R188ZZ	
6.35	15.875	4.978	-	0.3	1610	660	38000	45000	R4B	
6.35	15.875	-	4.978	0.3	1610	660	38000	-	R4BZZ	
6.35	19.05	5.558	-	0.4	2340	885	36000	43000	R4A	
6.35	19.05	-	7.142	0.4	2340	885	36000	-	R4AZZ	
7.938	12.7	3.967	-	0.15	540	276	40000	48000	R1810	
7.938	12.7	-	3.967	0.15	540	276	40000	-	R1810ZZ	
9.525	22.225	5.558	-	0.4	3350	1410	32000	38000	R6	
9.525	22.225	-	7.142	0.4	3350	1410	32000	-	R6ZZ	