

Deep Groove Ball Bearings

└ Extra Small Ball Bearings and Miniature Ball Bearings Inch Design, With Flange

Boundary Dimensions (mm)								Basic Load Ratings (N)		Limiting Speeds (min ⁻¹)		Bearing Numbers	NSKHPS
d	D	D1	B	B1	C1	C2	r min.	C _r	C _{0r}	Grease	Oil		
1.191	3.967	5.156	1.588	-	0.33	-	0.1	138	35	110000	130000	FR0	
1.191	3.967	5.156	-	2.38	-	0.787	0.1	138	35	110000	-	FR0ZZS	
1.397	4.762	5.944	1.984	-	0.584	-	0.1	231	66	90000	110000	FR1	
1.397	4.762	5.944	-	2.779	-	0.787	0.1	231	66	90000	-	FR1ZZ	
1.984	6.35	7.518	2.38	-	0.584	-	0.1	310	108	67000	80000	FR1-4	
1.984	6.35	7.518	-	3.571	-	0.787	0.1	310	108	67000	-	FR1-4ZZS	
2.38	4.762	5.944	1.588	-	0.457	-	0.1	188	60	80000	95000	FR133	
2.38	4.762	5.944	-	2.38	-	0.787	0.1	188	60	80000	-	FR133ZS	
2.38	7.938	9.119	2.779	-	0.584	-	0.15	550	175	60000	71000	FR1-5	
2.38	7.938	9.119	-	3.571	-	0.787	0.15	550	175	60000	-	FR1-5ZZS	
3.175	6.35	7.518	2.38	-	0.584	-	0.1	283	95	67000	80000	FR144	
3.175	6.35	7.518	-	2.779	-	0.787	0.1	283	95	67000	-	FR144Z	
3.175	7.938	9.119	2.779	-	0.584	-	0.1	560	179	60000	67000	FR2-5	
3.175	7.938	9.119	-	3.571	-	0.787	0.1	560	179	60000	-	FR2-5ZZ	
3.175	9.525	10.719	2.779	-	0.584	-	0.15	640	225	53000	63000	FR2-6	
3.175	9.525	10.719	-	3.571	-	0.787	0.15	640	225	53000	-	FR2-6ZZS	
3.175	9.525	11.176	3.967	-	0.762	-	0.3	630	218	56000	67000	FR2	
3.175	9.525	11.176	-	3.967	-	0.762	0.3	630	218	56000	-	FR2ZZ	
3.967	7.938	9.119	2.779	-	0.584	-	0.1	360	149	53000	63000	FR155	
3.967	7.938	9.119	-	3.175	-	0.914	0.1	360	149	53000	-	FR155ZS	
4.762	7.938	9.119	2.779	-	0.584	-	0.1	360	149	53000	63000	FR156	
4.762	7.938	9.119	-	3.175	-	0.914	0.1	360	149	53000	-	FR156ZS	
4.762	9.525	10.719	3.175	-	0.584	-	0.1	710	270	50000	60000	FR166	
4.762	9.525	10.719	-	3.175	-	0.787	0.1	710	270	50000	-	FR166Z	
4.762	12.7	14.351	4.978	-	1.067	-	0.3	1300	485	43000	53000	FR3	
4.762	12.7	14.351	-	4.978	-	1.067	0.3	1300	485	43000	-	FR3ZZ	
6.35	9.525	10.719	3.175	-	0.584	-	0.1	375	173	48000	56000	FR168	
6.35	9.525	10.719	-	3.175	-	0.914	0.1	375	173	48000	-	FR168Z	
6.35	12.7	13.894	3.175	-	0.584	-	0.15	1080	440	40000	50000	FR188	
6.35	12.7	13.894	-	4.762	-	1.143	0.15	1080	440	40000	-	FR188Z	
6.35	15.875	17.526	4.978	-	1.067	-	0.3	1480	615	38000	45000	FR4B	
6.35	15.875	17.526	-	4.978	-	1.067	0.3	1480	615	38000	-	FR4BZZ	
7.938	12.7	13.894	3.967	-	0.787	-	0.15	540	276	40000	48000	FR1810	
7.938	12.7	13.894	-	3.967	-	0.787	0.15	540	276	40000	-	FR1810ZZ	
9.525	22.225	24.613	5.558	-	1.57	-	0.4	3350	1410	32000	38000	FR6	
9.525	22.225	24.613	-	7.142	-	1.57	0.4	3350	1410	32000	-	FR6ZZ	