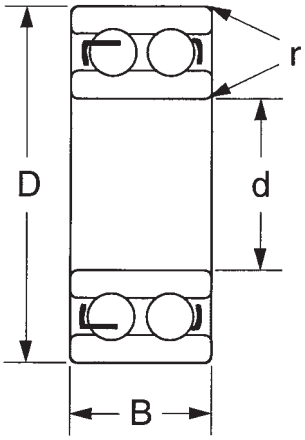
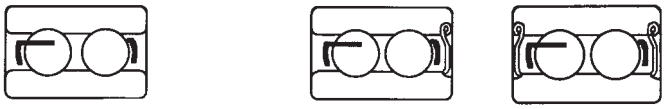


This series is used in instances of heavy radial loads, combined radial and thrust loads, and two directional loads. The non-filling slot allows high RPM. In addition, the angle of contact converges outside the bearing, offering increased resistance to overturning moments. Loading groove construction types are available upon request. Consult Peer sales engineer for availability.



5200 5200 Z 5200 ZZ

Units: Inches
Metric

Part Number	Bore d	Tolerance +.0000 to minus	OD D	Tolerance +.0000 to minus	Width B	Tolerance +.0000 to minus	* fillet radii r	Basic Load Ratings lbf / N Dynamic Cr	Basic Load Ratings lbf / N Static Cor	Weight lb / Kg	Limiting speed of Open Bearing (rpm) oil	Limiting speed of Open Bearing (rpm) grease
5200	.3937	.0003	1.1811	.0004	.5625	.0047	.024	1,608	877	.12	19,000	14,000
	10	.008	30	.009	14.287	.120	.6	7,150	3,900	.054		
5201	.4724	.0003	1.2598	.0005	.6250	.0047	.024	2,430	1,305	.125	17,000	13,000
	12	.008	32	.011	15.875	.120	.6	10,500	5,800	.057		
5202	.5906	.0003	1.3780	.0005	.6250	.0047	.024	2,632	1,586	.141	15,000	11,000
	15	.008	35	.011	15.875	.120	.6	11,700	7,050	.064		
5203	.6693	.0003	1.5748	.0005	.6875	.0047	.024	3,285	2,0306	.211	13,000	9,900
	17	.008	40	.011	17.463	.120	.6	14,600	9,050	.096		
5204	.7874	.0004	1.8504	.0005	.8125	.0047	.039	4,410	2,790	.337	12,000	8,800
	20	.010	47	.011	20.638	.120	1.0	19,600	12,400	.153		
5205	.9843	.0004	2.0472	.0005	.8125	.0047	.039	4,792	3,307	.385	9,800	7,300
	25	.010	52	.011	20.638	.120	1.0	21,300	14,700	.175		
5206	1.1811	.0004	2.4409	.0005	.9375	.0047	.039	6,660	4,747	.629	8,400	6,300
	30	.010	62	.011	23.813	.120	1.0	29,600	21,100	.285		
5207	1.3780	.0005	2.8346	.0005	1.0625	.0047	.039	8,775	6,457	.959	7,400	5,500
	35	.012	72	.011	26.988	.120	1.0	39,000	28,700	.435		
5208	1.5748	.0005	3.1496	.0005	1.1875	.0047	.039	9,900	7,537	1.298	6,600	4,900
	40	.012	80	.011	30.163	.120	1.0	44,000	33,500	.589		
5209	1.7717	.0005	3.3465	.0006	1.1875	.0047	.039	11,137	8,550	1.408	5,900	4,400
	45	.012	85	.015	30.163	.120	1.0	49,500	38,000	.639		
5210	1.9685	.0005	3.5433	.0006	1.1875	.0047	.039	11,925	9,787	1.515	5,300	4,000
	50	.012	90	.015	30.163	.120	1.0	53,000	43,500	.687		
5211	2.1654	.0006	3.9370	.0006	1.3125	.0047	.059	12,600	11,025	2.169	4,900	3,600
	55	.015	100	.015	33.338	.120	1.5	56,000	49,000	.984		
5212	2.3622	.0006	4.3307	.0006	1.4375	.0047	.059	15,505	13,950	2.794	4,500	3,400
	60	.015	110	.015	36.513	.120	1.5	69,000	62,000	1.267		
5213	2.5591	.0006	4.7244	.0006	1.5000	.0047	.059	17,202	15,525	3.454	4,200	3,100
	65	.015	120	.015	38.100	.120	1.5	76,500	69,000	1.567		
5214	2.7559	.0006	4.9213	.0007	1.5625	.0047	.059	21,150	18,450	3.960	3,900	2,900
	70	.015	125	.018	39.688	.120	1.5	94,000	82,000	1.796		
5215	2.9528	.0006	5.1181	.0007	1.6250	.0047	.059	21,037	18,675	1.180	3,600	2,700
	75	.015	130	.018	41.275	.120	1.5	93,500	83,000	1.896		
5216	3.1496	.0006	5.5118	.0007	1.7500	.0047	.079	22,275	20,925	5.258	3,400	2,500
	80	.015	140	.018	44.45	.120	2.0	99,000	93,000	2.385		
5217	3.3465	.0006	5.9055	.0007	1.9375	.0059	.079	26,100	24,750	6.732	3,200	2,400
	85	.015	150	.018	49.213	.015	2.0	116,000	110,000	3.054		

*Maximum fillet which corner radius of bearing will clear.