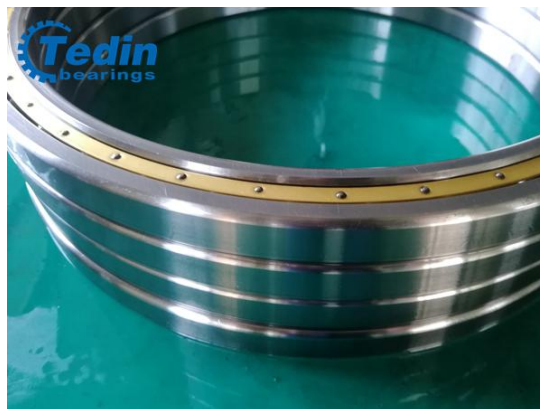
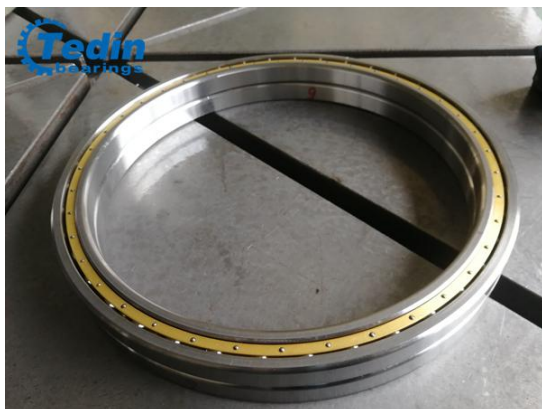


Thin Section Deep Groove Ball Bearing



618 series / 619 series / 60 series / 16000 series deep groove ball bearing is called Thin section bearing because its ratio of outer diameter to inner diameter is less than the value of 1.25. The thin section deep groove ball bearing is mainly used to withstand radial load, but when the radial clearance of the bearing is increased, it has certain performance of angular contact ball bearing and can withstand radial and axial combined load. When the speed is high and it is not suitable to use thrust ball bearing, it can also be used to withstand pure axial load. Compared with other types of bearings with the same size, the friction coefficient of these bearings is small and the limit speed is high. Thin section deep groove ball bearing is not suitable to withstand heavy load, and is widely used in reducer, coupling and other conditions.

618 series thin section deep groove ball bearings catalogue:

Bearing Number	Boundary Dimenions(mm)			Rating Load		LimitingSpeed(r/min)		Weight(kg)
New Standard	d	D	B	Dynamic	Static	Lubricant		
				Cr	Cor	Grease	Oil	
61820	100	125	13	45.6	62.6	1679	1960	0.5
61821	105	130	13	49.5	65.3	1650	1900	0.56
61822	110	140	16	50.6	73.6	1596	1830	0.6
61824	120	150	16	58.7	76	1560	1780	0.65
61826	130	165	18	60.3	79.2	1500	1720	0.94
61828	140	175	18	65.5	81	1474	1688	0.99
61830	150	190	20	68.9	85	1446	1653	1.5
61832	160	200	20	70.4	88.2	1410	1648	1.7
61834	170	215	22	74.8	90.8	1395	1624	1.9



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61836	180	225	24	78.4	99.4	1364	1613	2
61838	190	240	24	109.5	140.1	1343	1598	2.03
61840	200	250	24	114.4	141.1	1310	1590	2.38
61844	220	270	24	146.7	146.5	1277	1568	2.79
61848	240	300	28	158	194	1265	1555	4.5
61852	260	320	28	159.3	205.8	1196	1505	4.85
61856	280	350	33	160.5	216.9	1150	1460	7.6
61860	300	380	38	162	222	1100	1400	11
61864	320	400	38	168	235	1000	1300	12
61872	360	440	38	182	285	1100	1400	12.2
61876	380	480	46	235	348	950	1200	20.5
61880	400	500	46	247	405	950	1200	21.7
61844	420	520	46	251	425	950	1180	22
61888	440	540	46	255	420	860	1100	24
61892	460	580	56	322	538	860	1000	33.5
61896M	480	600	56	315	610	870	1100	36
618/500M	500	620	56	315	465	800	950	37.3
618/530	530	650	56	315	480	750	900	41.1
618/560MA	560	680	56	328	525	700	850	42.7
618/600	600	730	60	345	710	670	800	52.7
618/630	630	780	69	420	760	630	750	65.7
618/670	670	820	69	420	780	560	670	82.8
618/710	710	870	74	451	905	530	630	96.1
618/710	710	870	74	451	905	530	630	98.1
618/750	750	920	78	515	1240	480	610	110
618/800	800	980	82	545	1360	430	510	132
618/850	850	1030	82	555	1300	450	530	144
618/900	900	1090	85	600	1430	380	450	155
618/950	950	1150	90	663	1620	360	430	188
618/1000	1000	1220	100	635	1720	340	400	230

619 series thin section deep groove ball bearings catalogue:

Bearing Number	Boundary Dimenions(mm)			Rating Load		LimitingSpeed(r/min)		Weight(kg)
New Standard	d	D	B	Dynamic	Static	Lubricant		
				Cr	Cor	Grease	Oil	



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61920	100	140	20	59	76	1790	2010	0.78
61921	105	145	20	67	99	1783	2000	0.8
61922	110	150	20	798	103	1782	1993	0.86
61924	120	165	22	88	126	1743	1984	1.15
61926	130	180	24	98	132	1728	1948	1.56
61928	140	190	24	111	140	1704	1921	1.8
61930	150	210	28	123	155	1693	1900	2.1
61932	160	220	28	139	158	1659	1884	3.9
61934	170	230	28	142	163	1614	1867	4.6
61936	180	250	33	146	169	1597	1860	5.4
61938	190	260	33	146	169	1562	1849	5.86
61940	200	280	38	150	173	1560	1930	7.3
61944	220	300	38	152	178	1600	2000	6.34
61948	240	320	38	142	178	1400	1800	8.2
61952	260	360	46	210	268	1200	1600	13.7
61956	280	380	46	210	268	1100	1400	15
61960	300	420	56	270	370	1000	1300	21.1
61964	320	440	56	275	392	950	1200	23
61968	340	460	56	292	418	900	1100	27
61972	360	480	56	319	446	840	980	40
61976	380	520	65	344	495	798	932	39.8
61980	400	540	65	360	563	754	854	43.6
61984	420	560	65	390	598	687	812	41.9
61988	440	600	74	410	645	632	774	60.5
61992	460	620	74	415	712	591	733	63
61996	480	650	78	423	765	546	698	74.1
619/500	500	670	78	445	808	500	630	80
619/530	530	710	82	468	885	700	850	91.6
619/560	560	750	85	475	925	670	800	110
619/630	630	850	100	610	1330	600	710	163
619/670	670	900	103	670	1450	530	630	194
619/710	710	950	106	645	1510	500	610	218
619/750	750	1000	112	745	1790	490	570	260
619/800	800	1060	115	815	2100	430	500	280
619/850	850	1120	118	815	2150	400	480	315

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619/900	900	1180	122	830	2270	360	440	355
619/950	950	1250	132	985	2850	330	410	395
619/1000	1000	1320	140	985	2880	330	380	525

16000 series thin section deep groove ball bearings:

Bearing Number	Boundary Dimenions(mm)			Rating Load		LimitingSpeed(r/min)		Weight(kg)
New Standard	d	D	B	Dynamic Cr	Static Cor	Lubricant		
						Grease	Oil	
16020	100	150	16	67.8	79.6	3325	4546	0.95
16021	105	160	18	76.3	86.5	3124	4213	1.23
16022	110	170	19	91.2	98.4	2909	4003	1.47
16024	120	185	19	99.8	103.5	2716	3715	1.82
16026	130	200	22	108.4	113.2	2439	3400	2.32
16028	140	210	22	129.7	131.2	2250	3175	2.49
16030	150	225	24	132	146	1998	2768	2.62
16032	160	240	25	138	151	1764	2339	4.61
16034	170	260	28	141	158	1438	1884	5.14
16036	180	280	31	144	157	1800	2400	5.83
16038	190	290	31	149	168	1700	2200	6.01
16040	200	310	34	167	191	1800	2000	6.62
16044	220	340	37	181	216	1400	1800	9.3
16048	240	360	37	172	210	1200	1600	14.5
16052	260	400	44	235	310	1100	1500	22.5
160964	320	440	37	195	380	1300	1500	16.8
160976	380	520	44	300	450	950	1100	31.2
16056	280	420	44	235	330	1300	1600	22.5
16060	300	460	50	289	400	1200	1500	33.1
16064	320	480	50	275	400	1100	1300	34
16068	340	520	57	335	520	950	1200	46
16072	360	540	57	340	540	1000	1200	50
16076	380	560	57	368	615	940	1100	50
160/800	800	1150	115	950	2080	500	550	427