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ABEC 3
.0002 / .0005 RADIAL PLAY

› MATERIAL:
440C Stainless Steel

› LOAD RATING

Bearing Code	Dynamic lbf	Static lbf
1504	16	5.3
1805	28	9.6
2507	35	12.1
1809	19	6.5
3109	60	22.0
2512	33	12.2
3112	60	22.0
3712		
3712W	73	29.0
5012		
3115	45	17.0
3118		
3718	76	31.0
5018	148	64.0
3725	43	21.0
5025	88	40.0
6225	168	77.0
5031	93	43.0
8737	575	305.0
11250	885	505.0
13762	1040	650.0
16275	1620	1030.0

Precision Component

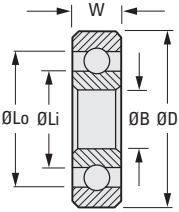

Fig. 1
No Shield

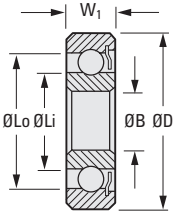

Fig. 2
Single Shield

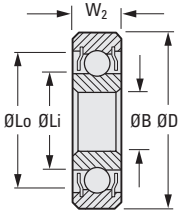

Fig. 3
Double Shield

NOTE: Land Diameters Li Inner and Lo Outer are for reference only; these dimensions may vary from what is stated on the page. If this is a critical dimension - Call the Engineering Dept. for assistance.

INCH COMPONENT CATALOG NUMBER

A 7Y55 – □□□□□□□□

Fig. 1, No Shield **P**
Fig. 2, Single Shield **PS**
Fig. 3, Double Shield **PSS**

Bearing Code

Lubrication
Leave Blank for Oil, MIL-PRF-6085
M Grease, MIL-PRF-23827C
G Grease, Beacon 325 Commercial
Other lubricants available on special order.

Example:
A 7Y55-PS3718 is an ABEC 3, Single-Shielded Bearing with 3/16 Bore and 3/8 O.D.

Bearing Code	B Bore +.0000 -.0002	D Outer Ring Dia. +.0000 -.0003	Width +.000 -.005			Land Dia. (Ref.)		
						Li Inner	Lo Outer	
			W Fig. 1	W_1 Fig. 2	W_2 Fig. 3	All	Fig. 1	Fig. 2 & 3
1504	.0469	.1562	.0625	.0937	.0937	.081	.124	.134
1805	.0550	.1875	.0781		.1094	.093	.159	.167
2507	.0781	.2500	.0937	.1094	.1406	.122	.193	.205
1809	.0937	.1875	.0625	.0937	.0937	.118	.161	.167
3109		.3125	.1094	.1094	.1406	.173	.270	.282
2512	.1250	.2500	.0937	.0937	.1094	.161	.216	.228
3112		.3125	.1094	.1094	.1406	.173	.270	.282
3712		.3750						
3712W			.1562	.1562	.1562	.200	.300	.321
5012		.5000	.1719	.1719	.1719			
3115	.1562	.3125	.1094	.1094	.1250	.221	.279	.285
3118	.1875							
3718		.3750	.1250	.1250		.235	.325	.341
5018		.5000	.1562	.1960	.1960	.276	.412	.433
3725	.2500	.3750	.1250	.1250	.1250	.285	.344	.348
5025		.5000			.1875	.330	.431	.452
6225		.6250	.1960	.1960	.1960	.364	.510	.544
5031	.3125	.5000	.1562	.1562	.1562	.362	.450	.460
8737	.3750	.8750	.2188	.2812	.2812	.521	.741	.783
11250	.5000	1.1250	.2500	.3125	.3125	.701	.913	.965
13762	.6250	1.3750	.2812	.3438	.3438	.852	1.133	1.233
16275	.7500	1.6250	.3125	.4375	.4375	1.020	1.345	1.415

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