

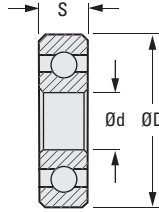
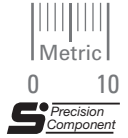
**PRECISION BALL BEARINGS**

**SDP/SI**

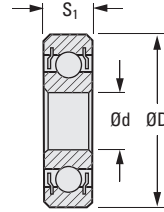
ISO 5 AND 4  
PLAIN  
0.013/0.005 mm RADIAL PLAY

PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDP-SI.COM

➤ **MATERIAL:**  
440C Stainless Steel



**No Shield**



**Double Shield**

**METRIC COMPONENT CATALOG NUMBER**

**S9912YM** [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

ISO 4 **D**  
ISO 5 **E**

**Bearing Code**

No Shield **0**  
Double Shield **2**

**Lubrication**

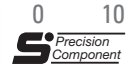
— Leave Blank for Synthetic Oil, MIL-L-6085A  
**M** Grease, MIL-G-23827A  
**G** Grease, Beacon 325 Commercial

Bearing Code	d Bore 0 -0.005	D Outer Ring Dia. 0 -0.005	Width <sup>0</sup> -0.025		Load Rating N	
			S	S <sub>1</sub>	Dynamic	Static
0206	2	6	2.3	3	253	98
0208	2.5	8	2.8	4	431	178
0306	3	6	2	2.5	155	62
0308	3	8	3	4	293	106
0408	4	8	2	3	196	80
0410	4	10	3	4	293	116
0413	4	13	5	5	1000	480
0508	5	8	2	2.5	164	67
0513	5	13	4	4	832	400
0610	6	10	2.5	3	253	115
0613	6	13	3.5	5	836	400
0713	7	13	3	4	276	138
0816	8	16	4	5	960	520

**NOTES:** 1. ISO 5 and 4 tolerances are approximately equivalent to ABEC 5 and 7, respectively.  
2. Other lubricants available on special order.

ISO 5 AND 4  
 FLANGED  
 0.013/0.005 mm RADIAL PLAY

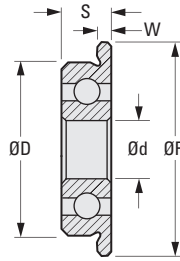
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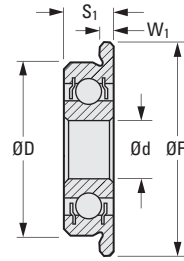
**> MATERIAL:**  
 440C Stainless Steel

**> LOAD RATING**

Bearing Code	Dynamic	Static
0206	253	98
0208	431	178
0306	155	62
0308	293	106
0408	196	80
0410	293	116
0413	1000	480
0508	164	67
0513	832	400
0610	253	115
0613	836	400
0713	276	138
0816	960	520



No Shield



Double Shield

**METRIC COMPONENT  
 CATALOG NUMBER**

S9912YM      FS

ISO 4 D

ISO 5 E

Bearing Code

No Shield 0

Double Shield 2

Lubrication

Leave Blank for Synthetic Oil, MIL-L-6085A

M Grease, MIL-G-23827A

G Grease, Beacon 325 Commercial

Bearing Code	d Bore 0 -0.005	D Outer Ring Dia. 0 -0.005	Width 0 -0.025		Flange Dia.		Flange Width 0 -0.05	
			S	S <sub>1</sub>	F	F <sub>1</sub>	W	W <sub>1</sub>
0206	2	6	2.3	3	7.5	7.5	0.6	0.8
0208	2.5	8	2.5	4	9.5	9.5	0.6	0.9
0306	3	6	2	2.5	7.2	7.2	0.6	0.6
0308	3	8	3	4	9.5	9.5	0.7	0.9
0408	4	8	2	3	9.2	9.2	0.6	0.6
0410	4	10	3	4	11.2	11.6	0.6	0.8
0413	4	13	5	5	15	15	1	1
0508	5	8	2	2.5	9.2	9.2	0.6	0.6
0513	5	13	4	4	15	15	1	1
0610	6	10	2.5	3	11.2	11.2	0.6	0.6
0613	6	13	3.5	5	15	15	1	1.1
0713	7	13	3	4	14.2	14.6	0.6	0.8
0816	8	16	4	5	18	18	1	1.1

NOTES: 1. ISO 5 and 4 tolerances are approximately equivalent to ABEC 5 and 7, respectively.  
 2. Other lubricants available on special order.



# BALL BEARINGS

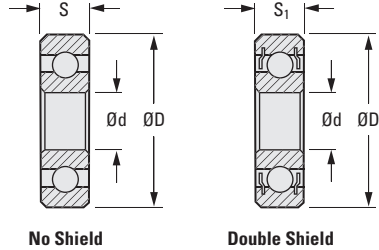


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ISO 6  
PLAIN  
0.013/0.005 mm RADIAL PLAY



**MATERIAL:**  
440C Stainless Steel



## METRIC COMPONENT CATALOG NUMBER

**A 7Y 5M**

No Shield **P**  
Double Shield **PSS**

**Bearing Code**

**Lubrication**  
Leave Blank for Synthetic Oil, MIL-L-6085A  
**M** Grease, MIL-G-23827A  
**G** Grease, Beacon 325 Commercial

Bearing Code	d Bore 0 -0.005	D Outer Ring Dia. 0 -0.007	Width <sup>0</sup> / <sub>-0.025</sub>		Load Rating N	
			S	S <sub>1</sub>	Dynamic	Static
0301	1	3	1	—	49	14
0602	2	6	2.3	3	203	78
0802	2.5	8	2.8	4	344	142
0603	3	6	2	2.5	124	49
0803	3	8	3	4	235	85
0804	4	8	2	3	156	64
1004	4	10	3	4	235	92
1304	4	13	5	5	801	384
0805	5	8	2	2.5	132	54
1305	5	13	4	4	666	320
1006	6	10	2.5	3	203	93
1306	6	13	3.5	5	669	320
1307	7	13	3	4	221	110
1608	8	16	4	5	769	416

**NOTES:**  
1. ISO 6 tolerances are approximately equivalent to ABEC 3.  
2. Other lubricants available on special order.

ISO 6

FLANGED

0.013/0.005 mm RADIAL PLAY

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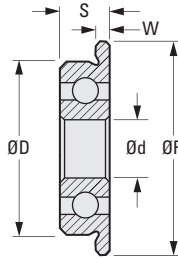


> MATERIAL:

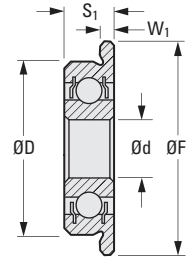
440C Stainless Steel

> LOAD RATING:

Bearing Code	Dynamic	Static
0301	40	13
0602	253	98
0802	431	178
0603	125	50
0803	293	106
0804	157	64
1004	235	93
1304	1000	480
0805	132	54
1305	832	400
1006	203	93
1306	669	320
1307	221	110
1608	769	416



No Shield



Double Shield

## METRIC COMPONENT CATALOG NUMBER

A 7Y 5M



No Shield F

Bearing Code

Lubrication  
Leave Blank for Synthetic Oil, MIL-L-6085A

Double Shield FSS

M Grease, MIL-G-23827A

G Grease, Beacon 325 Commercial

Bearing Code	d Bore 0 -0.005	D Outer Ring Dia. 0 -0.007	Width 0 -0.025		Flange Dia. +0.125 -0.050		Flange Width 0 -0.050	
			S	S <sub>1</sub>	F	F <sub>1</sub>	W	W <sub>1</sub>
0301	1	3	1	—	3.8	—	0.3	—
0602	2	6	2.3	3	7.5	7.5	0.6	0.8
0802	2.5	8	2.5	4	9.5	9.5	0.6	0.9
0603	3	6	2	2.5	7.2	7.2	0.6	0.6
0803	3	8	3	4	9.5	9.5	0.7	0.9
0804	4	8	2	3	9.2	9.2	0.6	0.6
1004	4	10	3	4	11.2	11.6	0.6	0.8
1304	4	13	5	5	15	15	1	1
0805	5	8	2	2.5	9.2	9.2	0.6	0.6
1305	5	13	4	4	15	15	1	1
1006	6	10	2.5	3	11.2	11.2	0.6	0.6
1306	6	13	3.5	5	15	15	1	1.1
1307	7	13	3	4	14.2	14.6	0.8	0.6
1608	8	16	4	5	18	18	1	1.1

NOTES: 1. ISO 6 tolerances are approximately equivalent to ABEC 3.

2. Other lubricants available on special order.

# BALL BEARINGS

# SDP/SI

ISO 0 (ABEC 1)

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PLAIN

0.013/0.005 mm RADIAL PLAY



➤ **MATERIAL:**  
Steel, AISI 52100

➤ **LUBRICATION:**  
Chevron SRI #2

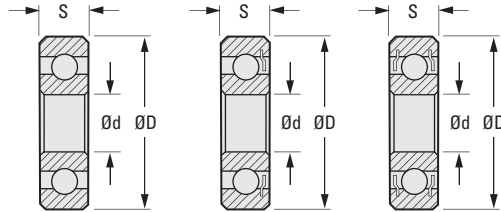


Fig. 1  
No Shield

Fig. 2  
Single Shield

Fig. 3  
Double Shield

## METRIC COMPONENT

Catalog Number			d Bore 0 -0.008	D Outer Ring Dia. 0 -0.01	S Width 0 -0.12	Shaft & Housing Fillet Radius Max.
Fig. 1 No Shield	Fig. 2 Single Shield	Fig. 3 Double Shield				
A 7C55MP1905	A 7C55MPS1905	A 7C55MPSS1905	5	19	6	0.5
A 7C55MP1906	A 7C55MPS1906	A 7C55MPSS1906	6	19	6	0.5
A 7C55MP2207	A 7C55MPS2207	A 7C55MPSS2207	7	22	7	0.5
A 7C55MP2208	A 7C55MPS2208	A 7C55MPSS2208	8	22	7	0.5
A 7C55MP2609	A 7C55MPS2609	A 7C55MPSS2609	9	26	8	0.5
A 7C55MP3010	A 7C55MPS3010	A 7C55MPSS3010	10	30	9	0.6
A 7C55MP3212	A 7C55MPS3212	A 7C55MPSS3212	12	32	10	0.6
A 7C55MP3515	A 7C55MPS3515	A 7C55MPSS3515	15	35	11	0.6
A 7C55MP4017	A 7C55MPS4017	A 7C55MPSS4017	17	40	12	0.6
A 7C55MP4720	A 7C55MPS4720	A 7C55MPSS4720	20	47	14	1
A 7C55MP5225	A 7C55MPS5225	A 7C55MPSS5225	25	52	15	1