



Datum-A-Industries, Inc.

Since 1981

Catalog 2010

ORIFICE DISC, PLATES AND PLUGS

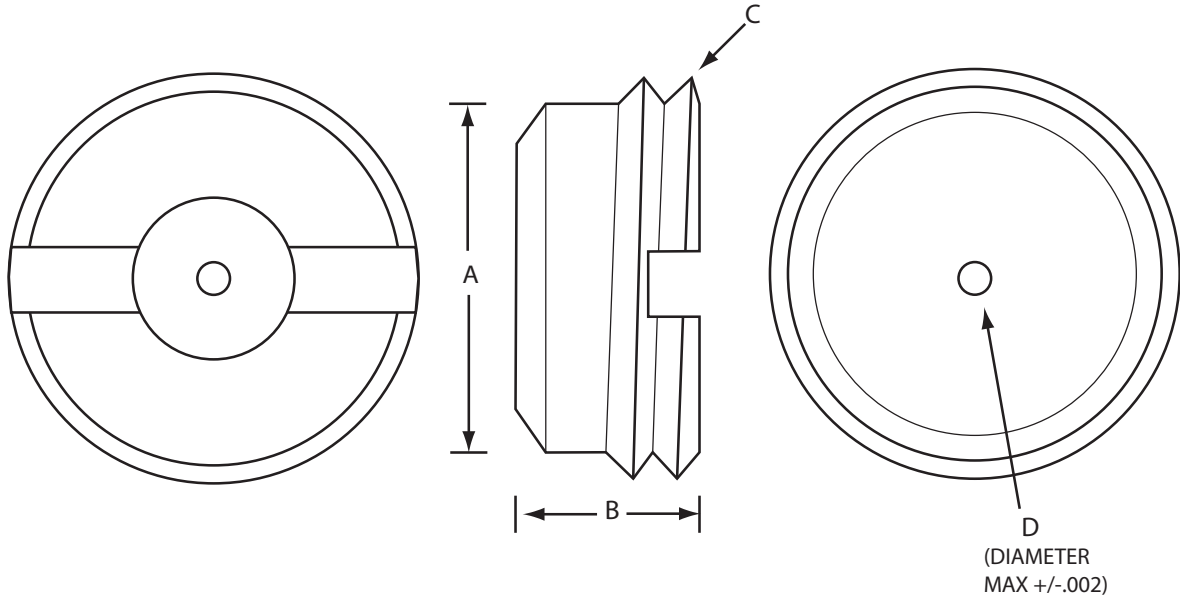


ORIFICE AVAILABILITY CHART

.0200	.0390	.0760	.1110	.1590	.2050
.0210	.0400	.0785	.1130	.1610	.2090
.0225	.0410	.0810	.1160	.1660	.2130
.0240	.0420	.0820	.1200	.1695	.2190
.0250	.0430	.0860	.1250	.1719	.2210
.0260	.0465	.0890	.1285	.1730	.2280
.0280	.0490	.0935	.1360	.1770	.2340
.0292	.0520	.0960	.1405	.1800	.2380
.0310	.0550	.0980	.1440	.1820	.2420
.0320	.0595	.0995	.1470	.1850	.2500
.0330	.0625	.1015	.1495	.1875	.0000 = BLANK
.0350	.0635	.1040	.1520	.1890	
.0360	.0670	.1065	.1540	.1910	
.0370	.0700	.1093	.1562	.1960	
.0380	.0730	.1100	.1570	.2010	

TWO-WAY ORIFICE DISC

- BRASS WITH STRAIGHT THREADS
 - CONTROLS FLOW IN BOTH DIRECTIONS
- 



PART #	PORT THREAD SIZE	PORT TUBE SIZE	A	B	C	D
DA2004-XXXX	7/16-20 SAE	1/4 (-4 SAE)	0.375	0.185	7/16-20	0.188
DA2006-XXXX	9/16-18 SAE	3/8 (-6 SAE)	0.485	0.225	9/16-18	0.250
DA2008-XXXX	3/4-16 SAE	1/2 (-8 SAE)	0.665	0.225	3/4-16	0.250
DA2010-XXXX	7/8-14 SAE	5/8 (-10 SAE)	0.800	0.250	7/8-14	0.250
DA2012-XXXX	1 1/16-12 SAE	3/4 (-12 SAE)	0.960	0.290	1 1/16-12	0.250

ORDERING GUIDE

DA20 XX - .0000

DRILL-THRU DIAMETER
(SEE CHART ON PAGE 53)

- 04 = 7/16-20 SAE
- 06 = 9/16-18 SAE
- 08 = 3/4-16 SAE
- 10 = 7/8-14 SAE
- 12 = 1 1/16-12 SAE



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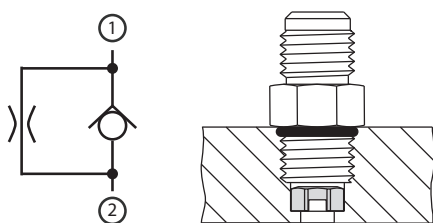
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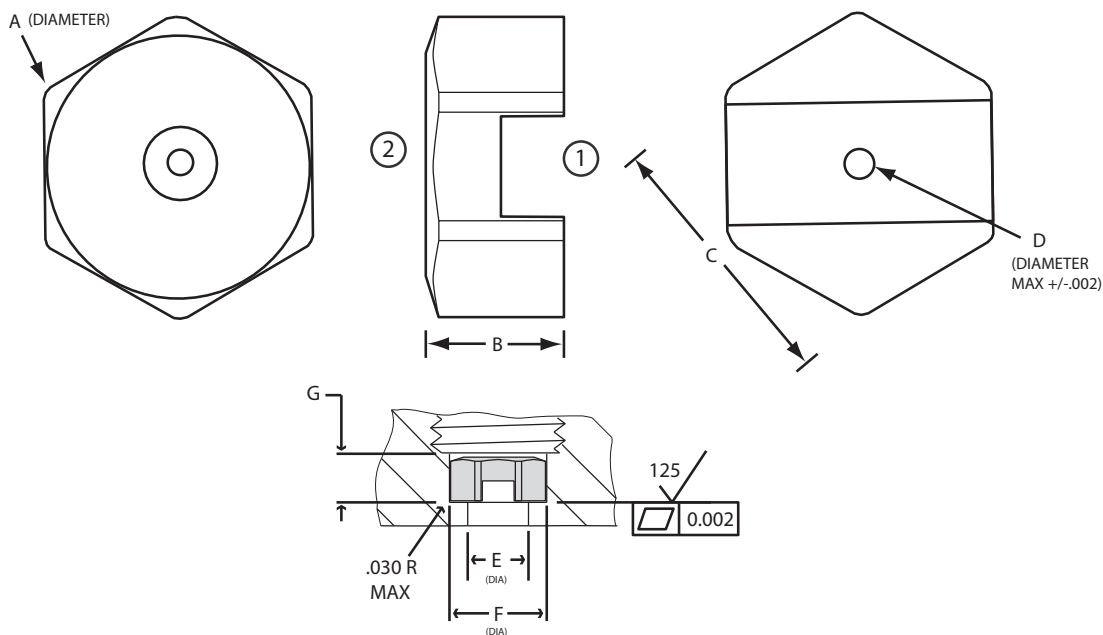
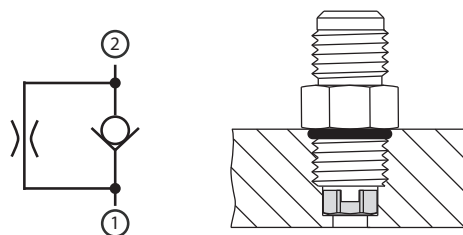
ONE-WAY ORIFICE PLATE

- BRASS ORIFICE PLATES ALLOW A HIGHER RESTRICTION IN ONE DIRECTION AND A LOWER RESTRICTION IN THE OTHER DIRECTION.

STANDARD POSITION



INVERTED POSITION



PART #	PORT THREAD SIZE	PORT TUBE SIZE	A	B	C	D	E	F	G
DA3004-XXXX	7/16-20 SAE	1/4 (-4 SAE)	0.355	0.195	0.310	0.125	0.250	0.380/0.390	0.215/0.250
DA3006-XXXX	9/16-18 SAE	3/8 (-6 SAE)	0.483	0.195	0.440	0.150	0.375	0.505/0.515	0.215/0.250
DA3008-XXXX	3/4-16 SAE	1/2 (-8 SAE)	0.650	0.225	0.560	0.250	0.500	0.678/0.688	0.245/0.280

ORDERING GUIDE

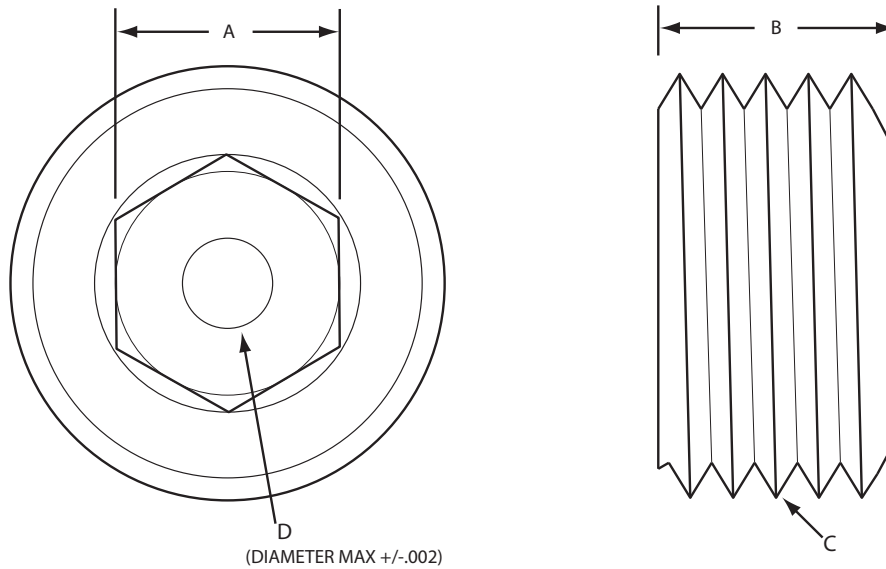
DA300 X - .0000

DRILL-THRU DIAMETER
(SEE CHART ON PAGE 53)

- 4 = 7/16-20 SAE
- 6 = 9/16-18 SAE
- 8 = 3/4-16 SAE

ORIFICE PLUGS - STRAIGHT THREAD

- BRASS CUP POINT SET SCREWS
- CONTROLS FLOW IN BOTH DIRECTIONS 



PART #	DESCRIPTION	A	B	C	D
DA4000-XXXX	10-24 X 1/4	3/32 HEX	0.250	10-24 THREAD	0.0810
DA4001-XXXX	10-32 X 1/4	3/32 HEX	0.250	10-32 THREAD	0.0810
DA4002-XXXX	1/4-20 X 1/4	1/8 HEX	0.250	1/4-20 THREAD	0.1200
DA4003-XXXX	5/16-18 X 3/8	5/32 HEX	0.375	5/16-18 THREAD	0.1495
DA4004-XXXX	3/8-16 X 3/8	3/16 HEX	0.375	3/8-16 THREAD	0.1850
DA4005-XXXX	1/2-13 X 1/2	1/4 HEX	0.500	1/2-13 THREAD	0.2420

ORDERING GUIDE

DA400 X - .0000

DRILL-THRU DIAMETER
(SEE CHART ON PAGE 53)

- 0 = 10-24 X 1/4
- 1 = 10-32 X 1/4
- 2 = 1/4-20 X 1/4
- 3 = 5/16-18 X 3/8
- 4 = 3/8-16 X 3/8
- 5 = 1/2-13 X 1/2



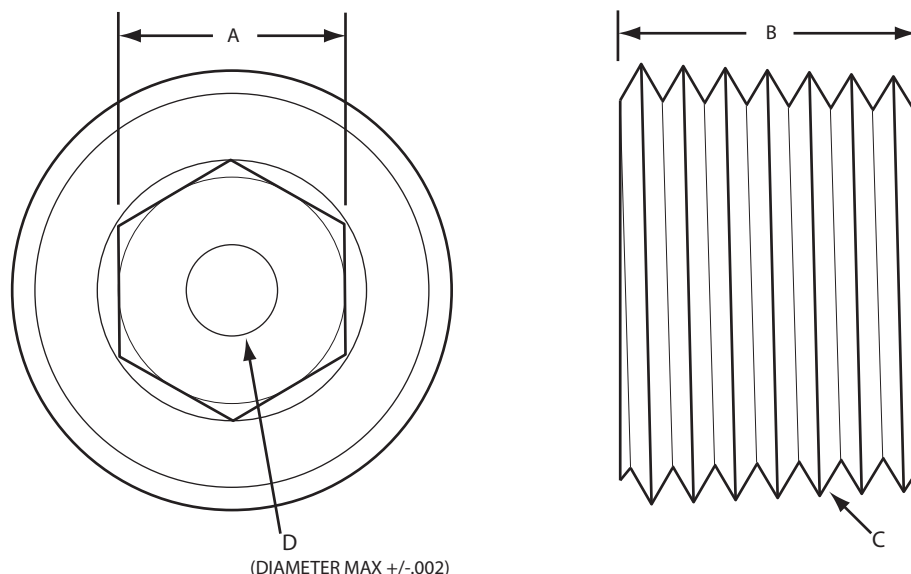
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ORIFICE PLUGS - NPT

- FLUSH TAPER BRASS PLUGS WITH DRYSEAL THREADS
- CONTROLS FLOW IN BOTH DIRECTIONS ∇



PART #	DESCRIPTION	A	B	C	D
DA5000-XXXX	1/16-27 X 1/4	5/32 HEX	0.250	1/16-27 NPT	0.1495
DA5001-XXXX	1/8-27 X 1/4	3/16 HEX	0.250	1/8-27 NPT	0.1850
DA5002-XXXX	1/4-18 X 13/32	1/4 HEX	0.406	1/4-18 NPT	0.2420
DA5003-XXXX	3/8-18 X 13/32	5/16 HEX	0.406	3/8-18 NPT	0.2500
DA5004-XXXX	1/2-14 X 17/32	3/8 HEX	0.531	1/2-14 NPT	0.2500

ORDERING GUIDE

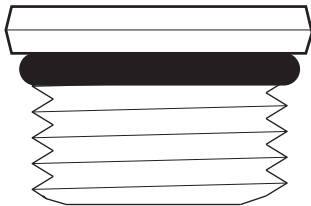
DA500 X - .0000

DRILL-THRU DIAMETER
(SEE CHART ON PAGE 53)

- 0 = 1/16-27 X 1/4
- 1 = 1/8-27 X 1/4
- 2 = 1/4-18 X 13/32
- 3 = 3/8-16 X 13/32
- 4 = 1/2-14 X 17/32

SAE PORT PLUGS

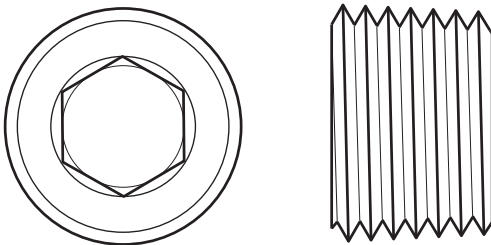
- HEX SOCKET O-RING BOSS PLUG
- CLEAR ZINC (ROHS) STEEL



PART #	DESCRIPTION
DA6002	SAE -2
DA6004	SAE -4
DA6006	SAE -6
DA6008	SAE -8
DA6010	SAE -10
DA6012	SAE -12
DA6016	SAE -16
DA6020	SAE -20

NPT PORT PLUGS

- DRYSEAL SOCKET PRESSURE PLUG
- HEAT TREATED ALLOY STEEL



PART #	DESCRIPTION
DA7000	1/16-27 NPT
DA7001	1/8-27 NPT
DA7002	1/4-18 NPT
DA7003	3/8-18 NPT
DA7004	1/2-14 NPT
DA7005	3/4-14 NPT
DA7006	1-11 1/2 NPT
DA7007	1 1/4-11 1/2 NPT