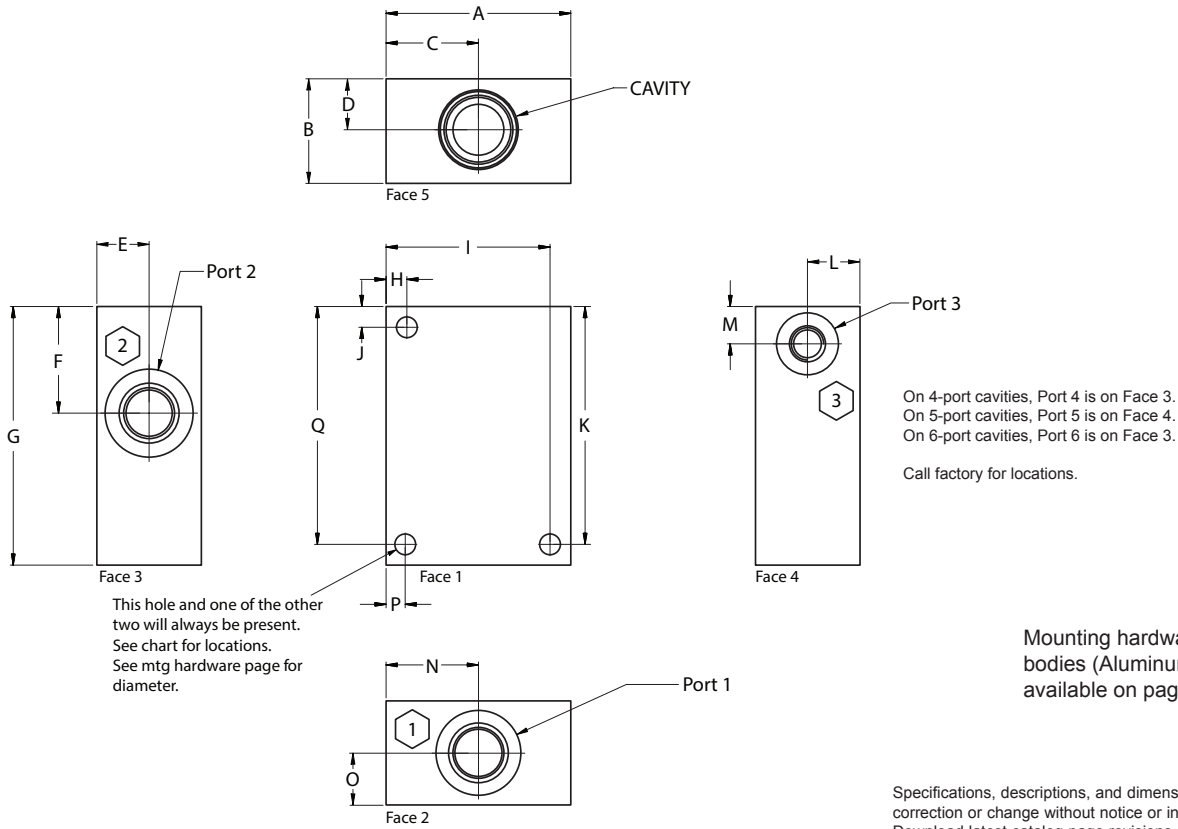


Sun Cavity Bodies - Aluminum & Ductile Iron



Ordering Information

Daman can sell Sun valves. See page 227 for stocked valves, or consult factory for price and delivery of valves not shown.

For **coating options** see pages 245-246.

For Sun cavity bodies with gauge port options, see pp. 197.8 -197.10.

Material	Sun Cavity Size	Product Type	Port Size	Port Threads
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Material	
A	Aluminum - 6061-T6 3000† psi • 20.7 MPa
D	Ductile Iron - D4512 5000† psi • 34.5 MPa
† Working pressure should be considered in accordance with ISO 4413 to determine appropriate material type.	

Sun Cavity Size					
T2A	T11A	T21A	T33A	T63A	
T3A	T13A	T22A	T52A	T64A	
T5A	T16A	T23A	T53A	T162A	
T8A	T17A	T24A	T54A	T163A	
T9A	T18A	T31A	T61A	---	
T10A	T19A	T32A	T62A	---	

Size of Port 1 & 2	
4	1/4 inch (-4) Hose/Fitting size (M) port threads = M10 x 1.0
6	3/8 inch (-6) Hose/Fitting size (M) port threads = M14 x 1.5
8	1/2 inch (-8) Hose/Fitting size (M) port threads = M18 x 1.5
12	3/4 inch (-12) Hose/Fitting size (M) port threads = M27 x 2.0
16	1 inch (-16) Hose/Fitting size (M) port threads = M33 x 2.0
20	1-1/4 inch (-20) Hose/Fitting size (M) port threads = M42 x 2.0

Port Threads	
P	NPTF ANSI B1.20.3
S	SAE ISO 11926; SAE 1926
B	BSPP ISO 1179
M	ISO ISO 6149
T	BSPT ISO 7

Product Type	
CB	Cavity Bodies

Consult chart for port size availability with each cavity size, and for additional port sizes.



Sun Cavity Bodies - Aluminum & Ductile Iron

Part Number	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6
T2ACB4	3.00	1.50	1.63	0.75	0.75	1.44	3.25	-	2.72	-	2.97	0.75	0.51	1.63	0.75	0.28	2.97	1/4	1/4	1/4	-	-	-
T2ACB6	3.00	1.50	1.63	0.75	0.75	1.44	3.25	-	2.72	-	2.97	0.75	0.51	1.63	0.75	0.28	2.97	3/8	3/8	3/8	-	-	-
T2ACB8	3.00	1.50	1.63	0.75	0.75	1.44	3.25	-	2.72	-	2.97	0.75	0.51	1.63	0.75	0.28	2.97	1/2	1/2	3/8	-	-	-
T2ACB12	3.00	2.00	1.63	1.00	1.00	1.44	3.25	-	2.72	-	2.97	1.00	0.51	1.63	1.00	0.28	2.97	3/4	3/4	3/8	-	-	-
T3ACB4	2.00	1.50	1.16	0.75	0.75	1.09	3.00	0.22	-	0.22	-	-	-	1.16	0.75	0.22	2.78	1/4	1/4	-	-	-	-
T3ACB6	2.00	1.50	1.16	0.75	0.75	1.09	3.00	0.22	-	0.22	-	-	-	1.16	0.75	0.22	2.78	3/8	3/8	-	-	-	-
T3ACB8	2.00	1.50	1.16	0.75	0.75	1.09	3.00	0.22	-	0.22	-	-	-	1.16	0.75	0.22	2.78	1/2	1/2	-	-	-	-
T3ACB12	2.25	1.75	1.41	0.88	0.88	1.07	3.00	0.22	-	0.22	-	-	-	1.41	0.88	0.22	2.78	3/4	3/4	-	-	-	-
T5ACB4	2.25	1.50	1.25	0.75	0.75	0.88	3.00	-	2.03	-	2.78	-	-	1.25	0.75	0.22	2.78	1/4	1/4	-	-	-	-
T5ACB6	2.25	1.50	1.25	0.75	0.75	0.88	3.00	-	2.03	-	2.78	-	-	1.25	0.75	0.22	2.78	3/8	3/8	-	-	-	-
T5ACB8	2.25	1.50	1.25	0.75	0.75	0.88	3.00	-	2.03	-	2.78	-	-	1.25	0.75	0.22	2.78	1/2	1/2	-	-	-	-
T5ACB12	2.50	1.75	1.56	0.88	0.88	0.88	3.00	-	2.28	-	2.78	-	-	1.47	0.88	0.22	2.78	3/4	3/4	-	-	-	-
T8ACB4	2.00	1.50	1.16	0.75	0.75	0.52	1.75	-	1.78	-	1.53	-	-	1.16	0.75	0.22	1.53	1/4	1/4	-	-	-	-
T8ACB6	2.00	1.50	1.16	0.75	0.75	0.52	1.75	-	1.78	-	1.53	-	-	1.16	0.75	0.22	1.53	3/8	3/8	-	-	-	-
T9ACB4	2.50	1.50	1.25	0.75	0.75	0.90	2.00	-	2.28	-	1.78	0.75	0.53	1.25	0.75	0.22	1.78	1/4	1/4	1/4	-	-	-
T9ACB6	2.50	1.50	1.25	0.75	0.75	0.90	2.00	-	2.28	-	1.78	0.75	0.53	1.25	0.75	0.22	1.78	3/8	3/8	1/4	-	-	-
T10ACB4	1.63	1.25	0.94	0.63	0.63	0.96	2.50	0.22	-	0.22	-	-	-	0.94	0.63	0.22	2.28	1/4	1/4	-	-	-	-
T10ACB6	1.63	1.25	0.94	0.63	0.63	0.96	2.50	0.22	-	0.22	-	-	-	0.94	0.63	0.22	2.28	3/8	3/8	-	-	-	-
T10ACB8	2.25	1.75	1.44	0.88	0.88	0.85	3.00	-	2.03	-	2.00	-	-	1.25	0.88	0.22	2.00	1/2	1/2	-	-	-	-
T10ACB12	2.25	1.75	1.44	0.88	0.88	0.85	3.00	-	2.03	-	2.00	-	-	1.25	0.88	0.22	2.00	3/4	3/4	-	-	-	-
T11ACB4	2.50	1.25	1.25	0.63	0.63	1.41	3.00	-	2.28	-	2.78	0.63	0.47	1.25	0.63	0.22	2.78	1/4	1/4	1/4	-	-	-
T11ACB6	2.50	1.25	1.25	0.63	0.63	1.41	3.00	-	2.28	-	2.78	0.63	0.47	1.25	0.63	0.22	2.78	3/8	3/8	3/8	-	-	-
T11ACB8	2.50	1.25	1.25	0.63	0.63	1.41	3.00	-	2.28	-	2.78	0.63	0.47	1.25	0.63	0.22	2.78	1/2	1/2	3/8	-	-	-
T13ACB4	1.75	1.25	0.94	0.63	0.63	0.78	2.25	-	1.53	-	2.03	-	-	0.94	0.63	0.22	2.03	1/4	1/4	-	-	-	-
T13ACB6	1.75	1.25	0.94	0.63	0.63	0.78	2.25	-	1.53	-	2.03	-	-	0.94	0.63	0.22	2.03	3/8	3/8	-	-	-	-
T13ACB8	2.50	1.75	1.63	0.88	0.88	0.85	3.00	-	2.28	-	2.78	-	-	1.44	0.88	0.22	2.78	1/2	1/2	-	-	-	-
T13ACB12	2.50	1.75	1.63	0.88	0.88	0.85	3.00	-	2.28	-	2.78	-	-	1.44	0.88	0.22	2.78	3/4	3/4	-	-	-	-
T16ACB12	3.00	2.50	1.94	1.25	1.25	1.44	4.00	0.28	-	0.28	-	-	-	1.75	1.25	0.28	3.72	3/4	3/4	-	-	-	-
T16ACB16	3.00	2.50	1.94	1.25	1.25	1.44	4.00	0.28	-	0.28	-	-	-	1.75	1.25	0.28	3.72	1	1	-	-	-	-
T16ACB20	3.00	2.50	1.94	1.25	1.25	1.44	4.00	0.28	-	0.28	-	-	-	1.75	1.25	0.28	3.72	1 1/4	1 1/4	-	-	-	-
T17ACB12	4.00	2.50	2.00	1.25	1.25	1.91	4.25	-	3.72	-	3.97	1.25	0.60	2.00	1.25	0.28	3.97	3/4	3/4	1/2	-	-	-
T17ACB16	4.00	2.50	2.00	1.25	1.25	1.91	4.25	-	3.72	-	3.97	1.25	0.60	2.00	1.25	0.28	3.97	1	1	1/2	-	-	-
T17ACB20	4.00	2.50	2.00	1.25	1.25	1.91	4.25	-	3.72	-	3.97	1.25	0.60	2.00	1.25	0.28	3.97	1 1/4	1 1/4	1/2	-	-	-
T18ACB12	3.50	2.75	2.06	1.38	1.38	1.73	4.50	0.34	-	0.34	-	-	-	2.06	1.38	0.34	4.16	3/4	3/4	-	-	-	-
T18ACB16	3.50	2.75	2.06	1.38	1.38	1.73	4.50	0.34	-	0.34	-	-	-	2.06	1.38	0.34	4.16	1	1	-	-	-	-
T18ACB20	3.50	2.75	2.06	1.38	1.38	1.73	4.50	0.34	-	0.34	-	-	-	2.06	1.38	0.34	4.16	1 1/4	1 1/4	-	-	-	-
T19ACB16	4.38	3.00	2.22	1.50	1.50	2.54	5.00	-	4.03	-	4.66	1.50	0.75	2.22	1.50	0.34	4.66	1	1	3/4	-	-	-
T19ACB20	4.38	3.00	2.22	1.50	1.50	2.54	5.00	-	4.03	-	4.66	1.50	0.75	2.22	1.50	0.34	4.66	1 1/4	1 1/4	3/4	-	-	-
T21ACB4	2.50	1.25	1.25	0.63	0.63	1.98	3.56	-	2.28	-	3.34	0.63	1.07	1.25	0.63	0.22	3.34	1/4	1/4	1/4	1/4	-	-
T21ACB6	2.50	1.25	1.25	0.63	0.63	1.98	3.56	-	2.28	-	3.34	0.63	1.07	1.25	0.63	0.22	3.34	3/8	3/8	3/8	1/4	-	-
T21ACB8	2.50	1.25	1.25	0.63	0.63	1.98	3.56	-	2.28	-	3.34	0.63	1.07	1.25	0.63	0.22	3.34	1/2	1/2	3/8	1/4	-	-
T22ACB6	3.50	2.00	1.75	1.00	1.00	2.04	3.75	-	3.22	-	3.47	1.00	1.10	1.75	1.00	0.28	3.47	3/8	3/8	3/8	3/8	-	-
T22ACB8	3.50	2.00	1.75	1.00	1.00	2.04	3.75	-	3.22	-	3.47	1.00	1.10	1.75	1.00	0.28	3.47	1/2	1/2	3/8	3/8	-	-
T22ACB12	3.50	2.00	1.75	1.00	1.00	2.04	4.00	-	3.22	-	3.72	1.00	1.10	1.75	1.00	0.28	3.72	3/4	3/4	3/8	3/8	-	-
T23ACB12	4.00	2.50	2.22	1.25	1.25	2.63	4.75	-	3.72	-	4.47	1.25	1.35	2.22	1.25	0.28	4.47	3/4	3/4	1/2	3/8	-	-
T23ACB16	4.00	2.50	2.22	1.25	1.25	2.63	4.75	-	3.72	-	4.47	1.25	1.35	2.22	1.25	0.28	4.47	1	1	1/2	3/8	-	-
T23ACB20	4.00	2.50	2.22	1.25	1.25	2.63	4.75	-	3.72	-	4.47	1.25	1.35	2.22	1.25	0.28	4.47	1 1/4	1 1/4	1/2	3/8	-	-
T24ACB16	5.00	3.00	2.50	1.50	1.50	3.38	5.87	-	4.66	-	5.53	1.50	1.60	2.50	1.50	0.34	5.53	1	1	3/4	1/2	-	-
T24ACB20	5.00	3.00	2.50	1.50	1.50	3.38	5.87	-	4.66	-	5.53	1.50	1.60	2.50	1.50	0.34	5.53	1 1/4	1 1/4	3/4	1/2	-	-

Chart continued on next page

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Custom Products
 Standard Manifolds
 Cover Plates
 Valve Adaptors
 Subplates
 Servo Valve Subplates
 Tapping Plates
 Cartridge Valve Cavity Bodies
 Header and Junction Blocks
 Technical Information



Sun Cavity Bodies - Aluminum & Ductile Iron

Part Number	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6
T31ACB4	2.75	1.25	1.38	0.63	0.63	2.72	4.75	-	2.53	-	4.53	0.63	1.82	1.38	0.63	0.22	4.53	1/4	1/4	1/4	1/4	-	-
T31ACB6	2.75	1.25	1.38	0.63	0.63	2.72	4.75	-	2.53	-	4.53	0.63	1.82	1.38	0.63	0.22	4.53	3/8	3/8	3/8	3/8	-	-
T31ACB8	2.75	1.25	1.38	0.63	0.63	2.72	4.75	-	2.53	-	4.53	0.63	1.82	1.38	0.63	0.22	4.53	1/2	1/2	1/2	1/2	-	-
T32ACB6	3.50	2.00	1.75	1.00	1.00	2.98	5.25	-	3.22	-	4.97	1.00	2.02	1.75	1.00	0.28	4.97	3/8	3/8	3/8	3/8	-	-
T32ACB8	3.50	2.00	1.75	1.00	1.00	2.98	5.25	-	3.22	-	4.97	1.00	2.02	1.75	1.00	0.28	4.97	1/2	1/2	1/2	1/2	-	-
T32ACB12	3.50	2.00	1.75	1.00	1.00	2.98	5.25	-	3.22	-	4.97	1.00	2.02	1.75	1.00	0.28	4.97	3/4	3/4	3/4	3/4	-	-
T33ACB12	4.00	2.25	2.00	1.13	1.13	3.71	6.38	-	3.66	-	6.03	1.13	2.53	2.00	1.13	0.34	6.03	3/4	3/4	3/4	3/4	-	-
T33ACB16	4.00	2.25	2.00	1.13	1.13	3.71	6.38	-	3.66	-	6.03	1.13	2.53	2.00	1.13	0.34	6.03	1	1	1	1	-	-
T33ACB20	4.00	3.00	2.00	1.50	1.50	3.71	6.50	-	3.66	-	6.16	1.50	2.53	2.00	1.50	0.34	6.16	1 1/4	1 1/4	1 1/4	1 1/4	-	-
T52ACB6	3.50	2.00	1.75	1.00	1.00	4.40	6.25	-	3.22	-	5.97	1.00	3.43	1.75	1.00	0.28	5.97	3/8	3/8	3/8	3/8	3/8	3/8
T52ACB8	3.50	2.00	1.75	1.00	1.00	4.40	6.25	-	3.22	-	5.97	1.00	3.43	1.75	1.00	0.28	5.97	1/2	1/2	1/2	1/2	1/2	3/8
T52ACB12	3.50	2.00	1.75	1.00	1.00	4.40	6.25	-	3.22	-	5.97	1.00	3.43	1.75	1.00	0.28	5.97	3/4	3/4	3/4	3/4	3/4	3/8
T53ACB12	4.00	3.00	2.00	1.50	1.50	5.52	7.63	-	3.66	-	7.28	1.50	4.35	2.00	1.50	0.34	7.28	3/4	3/4	3/4	3/4	3/4	1/2
T53ACB16	4.00	3.00	2.00	1.50	1.50	5.52	7.63	-	3.66	-	7.28	1.50	4.35	2.00	1.50	0.34	7.28	1	1	1	1	1	1/2
T54ACB20	5.00	4.00	2.50	2.00	2.00	7.22	10.00	-	4.66	-	9.66	2.00	5.66	2.50	2.00	0.34	9.66	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	3/4
T61ACB4	2.75	1.25	1.38	0.63	0.63	3.94	5.62	-	2.53	-	5.40	0.63	3.03	1.38	0.63	0.22	5.40	1/4	1/4	1/4	1/4	1/4	1/4
T61ACB6	2.75	1.25	1.38	0.63	0.63	3.94	5.62	-	2.53	-	5.40	0.63	3.03	1.38	0.63	0.22	5.40	3/8	3/8	3/8	3/8	3/8	1/4
T61ACB8	2.75	1.25	1.38	0.63	0.63	3.94	5.62	-	2.53	-	5.40	0.63	3.03	1.38	0.63	0.22	5.40	1/2	1/2	1/2	1/2	1/2	1/4
T62ACB6	3.50	2.00	1.75	1.00	1.00	4.33	6.25	-	3.22	-	5.97	1.00	3.38	1.75	1.00	0.28	5.97	3/8	3/8	3/8	3/8	3/8	3/8
T62ACB8	3.50	2.00	1.75	1.00	1.00	4.33	6.25	-	3.22	-	5.97	1.00	3.38	1.75	1.00	0.28	5.97	1/2	1/2	1/2	1/2	3/8	3/8
T62ACB12	3.50	2.00	1.75	1.00	1.00	4.33	6.25	-	3.22	-	5.97	1.00	3.38	1.75	1.00	0.28	5.97	3/4	3/4	3/4	3/4	3/8	3/8
T63ACB12	4.00	2.25	2.00	1.13	1.13	5.30	7.75	-	3.66	-	7.41	1.13	4.13	2.00	1.13	0.34	7.41	3/4	3/4	3/4	3/4	1/2	3/8
T63ACB16	4.00	2.25	2.00	1.13	1.13	5.30	7.75	-	3.66	-	7.41	1.13	4.13	2.00	1.13	0.34	7.41	1	1	1	1	1/2	3/8
T63ACB20	4.50	3.00	2.25	1.50	1.50	5.30	8.00	-	4.16	-	7.66	1.50	4.13	2.25	1.50	0.34	7.66	1 1/4	1 1/4	1 1/4	1 1/4	1/2	3/8
T64ACB16	5.00	3.00	2.50	1.50	1.50	6.51	9.62	-	4.66	-	9.28	1.50	5.01	2.50	1.50	0.34	9.28	1	1	1	1	3/4	1/2
T64ACB20	5.00	3.00	2.50	1.50	1.50	6.51	9.62	-	4.66	-	9.28	1.50	5.01	2.50	1.50	0.34	9.28	1 1/4	1 1/4	1 1/4	1 1/4	3/4	1/2
T162ACB4	1.88	1.25	1.06	0.63	0.63	0.67	2.00	-	1.66	-	1.78	-	-	1.06	0.63	0.22	1.78	1/4	1/4	-	-	-	-
T162ACB6	1.88	1.25	1.06	0.63	0.63	0.67	2.00	-	1.66	-	1.78	-	-	1.06	0.63	0.22	1.78	3/8	3/8	-	-	-	-
T162ACB8	2.00	1.25	1.23	0.63	0.63	0.67	2.25	-	1.78	-	1.22	-	-	1.23	0.63	0.22	2.03	1/2	1/2	-	-	-	-
T163ACB4	2.25	1.25	1.10	0.63	0.63	1.28	2.75	-	2.03	-	2.53	0.63	0.46	1.10	0.63	0.22	2.53	1/4	1/4	1/4	-	-	-
T163ACB6	2.25	1.25	1.10	0.63	0.63	1.28	2.75	-	2.03	-	2.53	0.63	0.46	1.10	0.63	0.22	2.53	3/8	3/8	3/8	-	-	-
T163ACB8	2.75	1.25	1.38	0.63	0.63	1.28	3.00	-	2.53	-	2.78	0.63	0.46	1.38	0.63	0.22	2.78	1/2	1/2	3/8	-	-	-

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