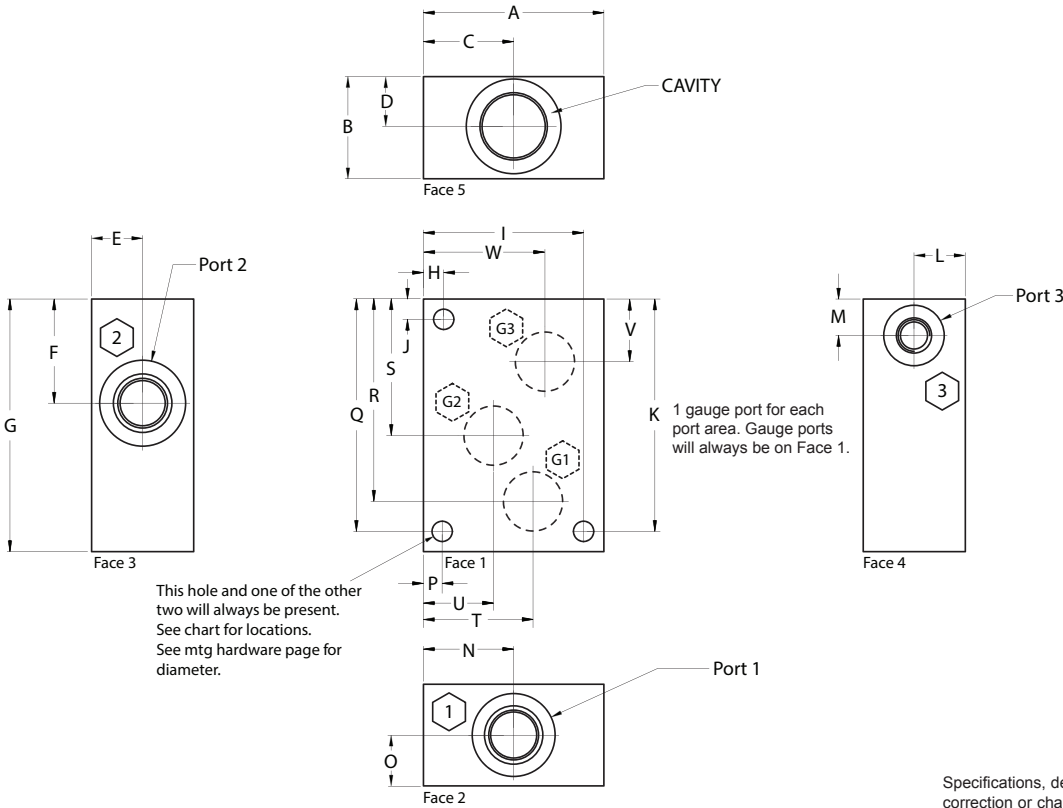


Common Cavity Bodies w/Gauge Ports - Al & Du Iron



This hole and one of the other two will always be present. See chart for locations. See mtg hardware page for diameter.

Mounting hardware for common cavity bodies (Aluminum or Ductile) is available on page 197.16.

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Ordering Information

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

Material	Common Cavity Size	Product Type	Port Size	Port Threads	/	G
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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.	

Common Cavity Size	
C082	C-08-2
C083	C-08-3
C102	C-10-2
C103	C-10-3
C162	C-16-2
C163	C-16-3

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
10*	5/8 inch (-10) Hose/Fitting size (M) port threads = M22 x 2.0
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

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

Gauge Port	
G	Gauge Port
0.250 NPTF (P option) 0.250 BSPP (B option) 0.250 BSPT (T option) M10 x 1.0 (M option) -6 SAE (S option)	
Port "style" of gauge port is determined by selection of "port threads".	

Product Type	
CB	Cavity Bodies

*10 size only available with SAE (S) or Metric (M).
Consult chart for port size availability with each cavity size, and for additional port sizes.



Common Cavity Bodies w/Gauge Ports - Al & Du Iron

Part Number	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	Port 1	Port 2	Port 3	Port 4
C082CB4/G	2.25	2.00	1.13	0.75	0.75	0.58	2.00	-	1.97	-	1.72	-	-	1.13	0.75	0.28	1.72	1.48	0.58	0.94	1.46	-	-	1/4	1/4	-	-
C082CB6/G	2.50	2.00	1.25	0.75	0.75	0.58	2.00	-	2.22	-	1.72	-	-	1.25	0.75	0.28	1.72	1.42	0.58	1.00	1.59	-	-	3/8	3/8	-	-
C082CB8/G	3.00	2.00	1.50	0.75	0.75	0.62	2.25	-	2.72	-	1.97	-	-	1.50	0.75	0.28	1.97	1.55	0.58	1.19	1.84	-	-	1/2	1/2	-	-
*C082CB10(S,M)/G	3.00	2.00	1.75	0.75	0.75	0.70	2.50	-	2.72	-	2.22	-	-	1.75	0.75	0.28	2.22	1.65	0.58	1.42	2.08	-	-	-10/M22	-10/M22	-	-
C082CB12/G	3.13	2.50	1.75	1.00	1.00	0.82	2.50	-	2.84	-	2.22	-	-	1.75	1.00	0.28	2.22	1.62	0.58	1.32	2.08	-	-	3/4	3/4	-	-
C082CB16/G	3.50	2.50	1.75	1.00	1.00	0.97	2.75	-	3.22	-	2.47	-	-	1.75	1.00	0.28	2.47	1.59	0.58	1.53	2.09	-	-	1	1	-	-
C083CB4/G	2.50	2.00	1.25	0.75	0.75	1.14	2.75	-	2.22	-	2.47	0.75	0.58	1.25	0.75	0.28	2.47	2.11	1.14	1.08	0.72	0.58	1.76	1/4	1/4	1/4	-
C083CB6/G	3.00	2.00	1.50	0.75	0.75	1.14	2.75	-	2.72	-	2.47	0.75	0.58	1.50	0.75	0.28	2.47	2.07	1.14	1.28	0.76	0.58	2.24	3/8	3/8	3/8	-
C083CB8/G	3.00	2.00	1.50	0.75	0.75	1.14	3.00	-	2.72	-	2.72	0.75	0.58	1.50	0.75	0.28	2.72	2.16	1.14	1.28	0.88	0.58	2.24	1/2	1/2	1/4	-
*C083CB10(S,M)/G	3.00	2.00	1.50	0.75	0.75	1.14	3.00	-	2.72	-	2.72	0.75	0.58	1.50	0.75	0.28	2.72	2.16	1.14	1.16	0.92	0.58	2.06	-10/M22	-10/M22	-6/M10	-
C083CB12/G	3.00	2.50	1.63	1.00	1.00	1.14	3.00	-	2.72	-	2.72	1.00	0.58	1.63	1.00	0.28	2.72	2.08	0.98	1.28	0.92	0.58	2.24	3/4	3/4	1/4	-
C083CB16/G	3.50	2.50	1.75	1.00	1.00	1.14	3.25	-	3.22	-	2.97	1.00	0.58	1.75	1.00	0.28	2.97	2.29	1.14	1.32	1.08	0.58	2.68	1	1	1/4	-
C102CB4/G	2.38	2.00	1.38	0.75	0.75	0.73	2.50	-	2.09	-	2.22	-	-	1.38	0.75	0.28	2.22	1.78	0.73	1.20	1.78	-	-	1/4	1/4	-	-
C102CB6/G	2.50	2.00	1.38	0.75	0.75	0.73	2.50	-	2.22	-	2.22	-	-	1.38	0.75	0.28	2.22	1.78	0.73	1.16	1.76	-	-	3/8	3/8	-	-
C102CB8/G	2.75	2.00	1.50	0.75	0.75	0.73	2.50	-	2.47	-	2.22	-	-	1.50	0.75	0.28	2.22	1.70	0.73	1.22	1.88	-	-	1/2	1/2	-	-
*C102CB10(S,M)/G	3.00	2.00	1.63	0.75	0.75	0.82	3.00	-	2.72	-	2.72	-	-	1.63	0.75	0.28	2.72	2.04	0.73	1.28	2.00	-	-	-10/M22	-10/M22	-	-
C102CB12/G	3.00	2.50	1.75	1.00	1.00	0.84	3.00	-	2.72	-	2.72	-	-	1.75	1.00	0.28	2.72	2.08	0.73	1.32	2.14	-	-	3/4	3/4	-	-
C102CB16/G	3.50	2.50	2.00	1.00	1.00	1.00	3.00	-	3.22	-	2.72	-	-	2.00	1.00	0.28	2.72	2.00	0.73	1.52	2.40	-	-	1	1	-	-
C103CB4/G	2.50	2.00	1.25	0.75	0.75	1.37	3.00	-	2.22	-	2.72	0.75	0.75	1.25	0.75	0.28	2.72	2.36	1.37	1.07	0.71	0.75	1.66	1/4	1/4	1/4	-
C103CB6/G	3.00	2.00	1.50	0.75	0.75	1.37	3.00	-	2.72	-	2.72	0.75	0.75	1.50	0.75	0.28	2.72	2.32	1.37	1.26	0.84	0.75	2.28	3/8	3/8	1/4	-
C103CB8/G	3.00	2.00	1.50	0.75	0.75	1.37	3.25	-	2.72	-	2.97	0.75	0.75	1.50	0.75	0.28	2.97	2.45	1.37	1.19	0.96	0.75	2.24	1/2	1/2	1/4	-
*C103CB10(S,M)/G	3.50	2.00	1.75	0.75	0.75	1.37	3.25	-	3.22	-	2.97	0.75	0.75	1.75	0.75	0.28	2.97	2.43	1.37	1.40	1.40	0.75	2.48	-10/M22	-10/M22	-6/M10	-
C103CB12/G	3.50	2.50	1.75	1.00	1.00	1.37	3.25	-	3.22	-	2.97	1.00	0.75	1.75	1.00	0.28	2.97	2.33	1.37	1.46	0.92	0.75	2.60	3/4	3/4	1/4	-
C103CB16/G	3.50	2.50	2.00	1.00	1.00	1.37	3.50	-	3.22	-	3.22	1.00	0.75	2.00	1.00	0.28	3.22	2.58	1.37	1.44	1.44	0.75	2.68	1	1	1/4	-
C162CB4/G	3.00	2.50	1.50	1.00	1.00	1.00	3.00	-	2.66	-	2.66	-	-	1.50	1.00	0.34	2.66	2.33	1.00	1.31	2.12	-	-	1/4	1/4	-	-
C162CB6/G	3.00	2.50	1.50	1.00	1.00	1.00	3.00	-	2.66	-	2.66	-	-	1.50	1.00	0.34	2.66	2.28	1.00	1.26	2.12	-	-	3/8	3/8	-	-
C162CB8/G	3.25	2.50	1.75	1.00	1.00	1.00	3.00	-	2.91	-	2.66	-	-	1.75	1.00	0.34	2.66	2.28	1.00	1.42	2.36	-	-	1/2	1/2	-	-
*C162CB10(S,M)/G	3.25	2.50	1.75	1.00	1.00	1.00	3.00	-	2.91	-	2.66	-	-	1.75	1.00	0.34	2.66	2.32	1.00	1.36	2.36	-	-	-10/M22	-10/M22	-	-
C162CB12/G	3.25	2.50	1.75	1.00	1.00	1.00	3.00	-	2.91	-	2.66	-	-	1.75	1.00	0.34	2.66	2.30	1.12	1.30	2.37	-	-	3/4	3/4	-	-
C162CB16/G	3.50	2.50	2.00	1.00	1.00	1.00	3.50	-	3.16	-	3.16	-	-	2.00	1.00	0.34	3.16	2.42	1.12	1.44	2.60	-	-	1	1	-	-
C163CB4/G	3.00	2.50	1.50	1.00	1.00	2.12	4.00	-	2.66	-	3.66	1.00	1.00	1.50	1.00	0.34	3.66	3.36	2.12	1.32	0.94	1.00	2.12	1/4	1/4	1/4	-
C163CB6/G	3.00	2.50	1.50	1.00	1.00	2.12	4.25	-	2.66	-	3.91	1.00	1.00	1.50	1.00	0.34	3.91	3.41	2.12	1.26	0.94	1.00	2.12	3/8	3/8	3/8	-
C163CB8/G	3.00	2.50	1.50	1.00	1.00	2.12	4.25	-	2.66	-	3.91	1.00	1.00	1.50	1.00	0.34	3.91	3.45	2.12	1.19	0.94	1.00	2.12	1/2	1/2	1/2	-
*C163CB10(S,M)/G	3.00	2.50	1.50	1.00	1.00	2.12	4.50	-	2.66	-	4.16	1.00	1.00	1.50	1.00	0.34	4.16	3.46	2.12	1.16	0.94	1.00	2.12	-10/M22	-10/M22	-8/M18	-
C163CB12/G	3.50	2.50	1.75	1.00	1.00	2.12	4.50	-	3.16	-	4.16	1.00	1.00	1.75	1.00	0.34	4.16	3.50	2.12	1.34	1.18	1.00	2.36	3/4	3/4	1/2	-
C163CB16/G	3.50	2.50	1.88	1.00	1.00	2.12	4.50	-	3.16	-	4.16	1.00	1.00	1.88	1.00	0.34	4.16	3.54	2.12	1.31	1.31	1.00	2.50	1	1	1/2	-

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