

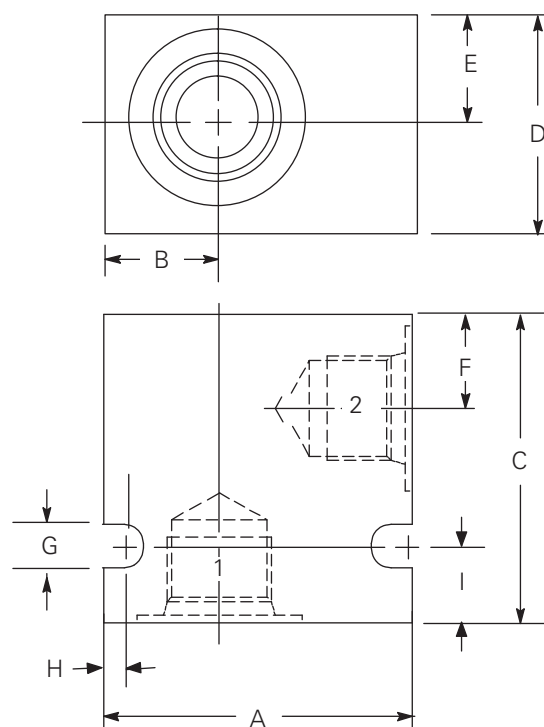
C-**-2

Aluminum housings (light duty)

Housing	Ports 1 & 2	Part number	Code
C-10-2	3/8" BSPP SAE 6	02-175462 566151	(A)3B (A)6T
C-16-2	3/4" BSPP SAE 12	02-175463 566149	(A)6B (A)12T
C-20-2	1" BSPP SAE 16	02-175464 566409	(A)8B (A)16T

Notes: BSPP porting is designated by "B" in the model code SAE porting is designated by "T" in the model code.

Light duty aluminum housings are intended for applications up to 210 bar (3000 psi) with light to moderate duty cycles.



Dimensions	A	B	C	D	E	F	G	H	I	Mass
mm (inch)										kg (lb)
C-10-2	50,8 (2.00)	19,0 (0.75)	50,8 (2.00)	31,7 (1.25)	15,9 (0.62)	19,0 (0.75)	7,1 (0.28)	3,1 (0.12)	12,7 (0.50)	0,1 (0.35)
C-16-2	76,2 (3.00)	28,5 (1.12)	76,2 (3.00)	47,6 (1.87)	23,8 (0.94)	25,4 (1.00)	8,6 (0.34)	4,0 (0.16)	19,0 (0.75)	0,5 (1.21)
C-20-2	88,9 (3.50)	34,3 (1.35)	88,9 (3.50)	68,5 (2.70)	34,3 (1.35)	36,8 (1.45)	8,6 (0.34)	4,0 (0.16)	21,6 (0.85)	0,8 (1.90)

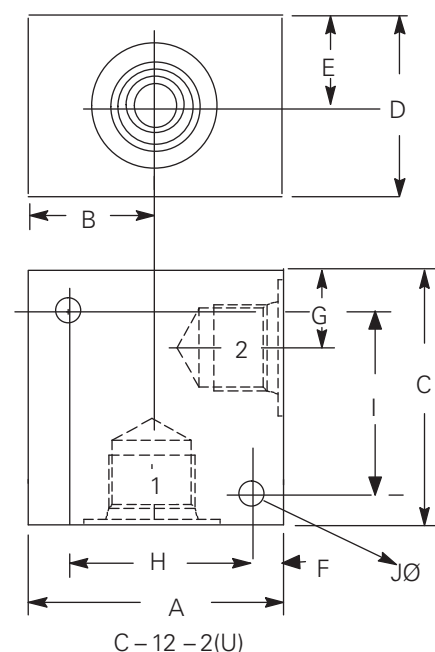
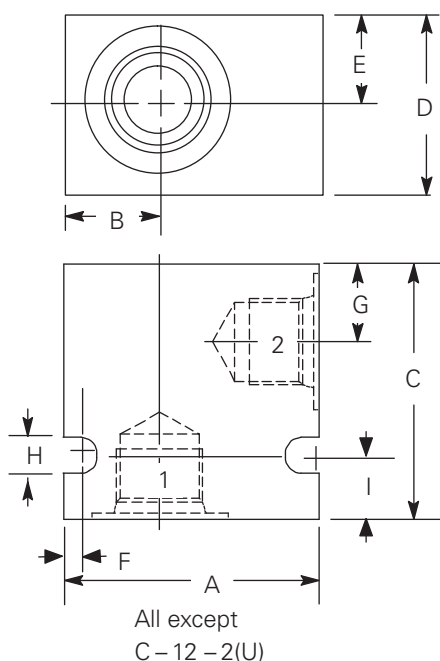
Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.

Housing	Ports 1 & 2	Part number	Code
C-8-2	1/4" BSPP	02-160727	(A)2G
	3/8" BSPP	02-160728	(A)3G
	SAE 4	02-160730	(A)4H
	SAE 6	02-160731	(A)6H
	SAE 8	02-160732	(A)8H
C-10-2	1/4" BSPP	876702	(A)2G
	3/8" BSPP	876703	(A)3G
	SAE 6	876700	(A)6H
	SAE 8	876701	(A)8H
C-12-2	1/2" BSPP	02-161118	(A)4G
	3/4" BSPP	02-161117	(A)6G
	SAE 10	02-160640	(A)10H
	SAE 12	02-160644	(A)12H

Housing	Ports 1 & 2	Part number	Code
C-12-2U	1/2" BSPP	02-161116	(A)4G
	3/4" BSPP	02-161115	(A)6G
	SAE 10	02-160641	(A)10H
	SAE 12	02-160645	(A)12H
C-16-2	1/2" BSPP	876716	(A)4G
	3/4" BSPP	876718	(A)6G
	SAE 10	876717	(A)10H
	SAE 12	566113	(A)12H
C-20-2	3/4" BSPP	876732	(A)6G
	1" BSPP	876734	(A)8G
	SAE 12	876733	(A)12H
	SAE 16	876735	(A)16H

Notes: BSPP porting is designated by "G" in the model code SAE porting is designated by either "H" or "T" in the model code.

Fatigue rated aluminum housings are intended for applications up to 210 bar (3000 psi) with harsh duty cycles. These housings have been fatigue rated to NFPA standards to one million cycles.



Dimensions	A	B	C	D	E	F	G	H	I	J	Mass
mm (inch)											kg (lb)
C-8-2	50,8 (2.00)	19,0 (0.75)	50,8 (2.00)	38,1 (1.50)	19,0 (0.75)	3,4 (0.13)	15,5 (0.61)	7,1 (0.28)	12,7 (0.50)	7,1 (0.28)	0,2 (0.46)
C-10-2	63,5 (2.50)	25,4 (1.00)	63,5 (2.50)	50,8 (2.00)	25,4 (1.00)	9,5 (0.37)	19,1 (0.75)	7,1 (0.28)	19,1 (0.75)	7,1 (0.28)	0,4 (1.00)
C-12-2(U)	88,9 (3.50)	44,5 (1.75)	88,9 (3.50)	50,8 (2.00)	25,4 (1.00)	12,7 (0.50)	28,7 (1.13)	63,5 (2.50)	63,5 (2.50)	10,3 (0.40)	0,8 (1.96)
C-16-2	88,9 (3.50)	34,9 (1.37)	88,9 (3.50)	63,5 (2.50)	31,8 (1.25)	10,3 (0.40)	28,4 (1.11)	8,7 (0.34)	25,4 (1.00)	10,3 (0.40)	1,2 (2.75)
C-20-2	101,6 (4.00)	38,1 (1.50)	101,6 (4.00)	82,5 (3.25)	41,3 (1.62)	10,3 (0.40)	36,0 (1.41)	8,7 (0.34)	25,4 (1.00)	10,3 (0.40)	1,8 (4.00)

Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.

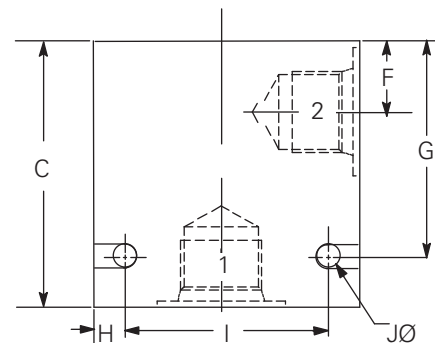
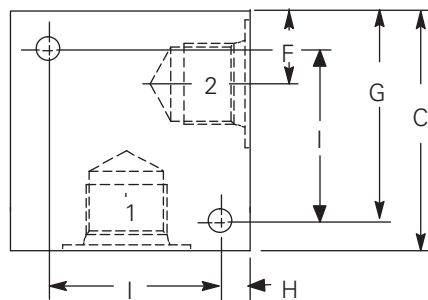
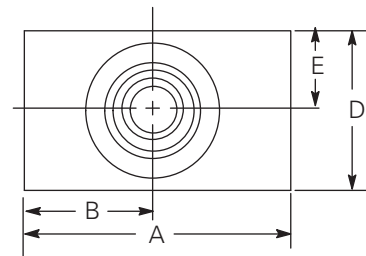
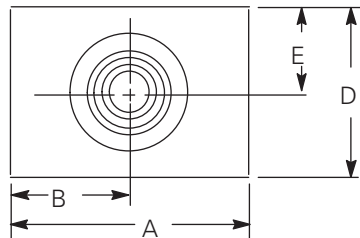
Steel housings (NFPA fatigue rated)

Housing	Ports 1 & 2	Part number	Code
C-8-2	1/4" BSPP	02-160733	(S)2G
	3/8" BSPP	02-160734	(S)3G
	SAE 4	02-160736	(S)4T
	SAE 6	02-160737	(S)6T
	SAE 8	02-160738	(S)8T
C-10-2	1/4" BSPP	02-175102	(S)2G
	3/8" BSPP	02-175103	(S)3G
	SAE 6	02-175100	(S)6T
	SAE 8	02-175101	(S)8T
C-12-2	1/2" BSPP	02-172062	(S)4G
	3/4" BSPP	02-169665	(S)6G
	SAE 10	02-169744	(S)10T
	SAE 12	02-169782	(S)12T

Housing	Ports 1 & 2	Part Number	Code
C-12-2U	1/2" BSPP	02-172512	(S)4G
	3/4" BSPP	02-162922	(S)6G
	SAE 10	02-169817	(S)10T
	SAE 12	02-169790	(S)12T
C-16-2	1/2" BSPP	02-175106	(S)4G
	3/4" BSPP	02-175107	(S)6G
	SAE 10	02-175104	(S)10T
	SAE 12	02-175105	(S)12T
C-20-2	3/4" BSPP	02-175110	(S)6G
	1" BSPP	02-175111	(S)8G
	SAE 12	02-175108	(S)12T
	SAE 16	02-175109	(S)16T

Notes: BSPP porting is designated by "G" in the model code SAE porting is designated by "T" in the model code.

Fatigue rated steel housings are intended for applications up to 350 bar (5000 psi) with harsh duty cycles. These housings have been fatigue rated to NFPA standards to one million cycles.



C -12 - 2(U)

Dimensions	A	B	C	D	E	F	G	H	I	J	Mass
mm (inch)											kg (lb)
C-8-2*	50,8 (2.00)	19,0 (0.75)	50,8 (2.00)	38,1 (1.50)	19,1 (0.75)	15,5 (0.61)	38,1 (1.50)	3,3 (0.13)	44,0 (1.73)	7,1 (0.28)	0,5 (1.19)
C-10-2	63,5 (2.50)	25,4 (1.00)	63,5 (2.50)	44,4 (1.75)	22,2 (0.87)	19,0 (0.75)	50,8 (2.00)	9,5 (0.37)	44,4 (1.75)	7,1 (0.28)	0,3 (0.83)
C-12-2(U)	88,9 (3.50)	44,5 (1.75)	88,9 (3.50)	50,8 (2.00)	25,4 (1.00)	28,7 (1.13)	76,2 (3.00)	12,7 (0.50)	63,5 (2.50)	10,3 (0.40)	1,9 (4.28)
C-16-2	88,9 (3.50)	38,1 (1.75)	76,2 (3.00)	50,8 (2.00)	25,4 (1.00)	25,4 (1.00)	63,5 (2.50)	12,7 (0.50)	63,5 (2.50)	10,3 (0.40)	2,2 (5.00)
C-20-2	101,6 (4.00)	40,6 (1.50)	88,9 (3.50)	63,5 (2.50)	31,7 (1.25)	31,7 (1.25)	76,2 (3.00)	12,7 (0.50)	76,2 (3.00)	10,3 (0.40)	3,6 (7.96)

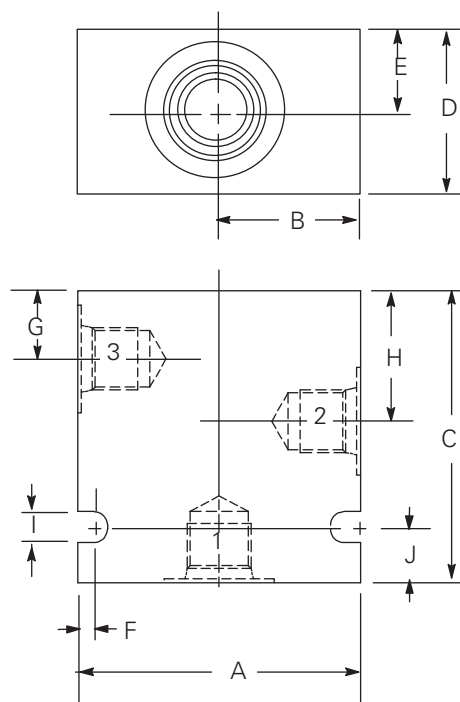
* 8 series housing utilize a slot instead of a mounting hole.

Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.

Housing	Ports 1, 2 & 3	Part number	Code
C-10-3	3/8" BSPP SAE 6	02-173358 566162	(A)3B (A)6T
C-10-3S	3/8" BSPP SAE 6	02-175470 566413	(A)3B (A)6T
C-16-3	3/4" BSPP SAE 12	02-175465 566152	(A)6B (A)12T
C-16-3S	3/4" BSPP SAE 12	02-175471 566414	(A)6B (A)12T
C-20-3	1" BSPP SAE 12	02-175466 566408	(A)8B (A)12T
C-20-3S	1" BSPP SAE 16	02-175472 566415	(A)8B (A)16T

Notes: BSPP porting is designated by "B" in the model code SAE porting is designated by "T" in the model code.

Light duty aluminum housings are intended for applications up to 210 bar (3000 psi) with light to moderate duty cycles.



Dimensions	A	B	C	D	E	F	G	H	I	J	Mass
mm (inch)											kg (lb)
C-10-3	63,5 (2.50)	31,7 (1.25)	66,6 (2.62)	31,7 (1.25)	15,8 (0.62)	3,1 (0.12)	19,0 (0.75)	34,9 (1.37)	7,1 (0.28)	12,7 (0.50)	0,3 (0.64)
C-10-3S	63,5 (2.50)	34,9 (1.37)	69,8 (2.75)	38,1 (1.50)	19,1 (0.75)	3,1 (0.12)	12,7 (0.50)	31,7 (1.25)	7,1 (0.28)	12,7 (0.50)	0,2 (0.51)
C-16-3	101,6 (4.00)	50,8 (2.00)	107,9 (4.25)	50,8 (2.00)	25,4 (1.00)	4,0 (0.16)	25,4 (1.00)	53,9 (2.12)	8,6 (0.33)	25,4 (1.00)	1,0 (2.3)
C-16-3S	88,9 (3.50)	47,6 (1.87)	88,9 (3.50)	60,3 (2.37)	30,1 (1.63)	4,0 (0.16)	17,4 (0.68)	38,1 (1.50)	8,7 (0.34)	19,0 (0.75)	0,7 (1.66)
C-20-3	114,3 (4.50)	57,1 (2.25)	139,7 (5.50)	63,5 (2.50)	31,7 (1.25)	4,0 (0.16)	31,7 (1.25)	72,1 (2.84)	10,4 (0.41)	25,4 (1.00)	1,7 (3.92)
C-20-3S	101,6 (4.00)	57,1 (2.25)	107,9 (4.25)	69,8 (2.75)	34,9 (1.37)	4,0 (0.16)	20,6 (0.81)	50,8 (2.00)	8,7 (0.34)	19,0 (0.75)	1,2 (2.62)

Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.

C-**-3/3S

Aluminum housings
(NFPA fatigue rated)

Housing	Ports 1, 2 & 3	Part number	Code
C-8-3	1/4" BSPP	02-160739	(A)2G
	3/8" BSPP	02-160740	(A)3G
	SAE 4	02-160741	(A)4H
	SAE 6	02-160742	(A)6H
C-10-3	1/4" BSPP	876705	(A)2G
	3/8" BSPP	876714	(A)3G
	SAE 6	876704	(A)6H
	SAE 8	876711	(A)8H
C-10-3S	1/4" BSPP	876707	(A)2G
	3/8" BSPP***	876710	(A)3G
	SAE 6	876706	(A)6H
	SAE 8**	876712	(A)8H
C-12-3	1/2" BSPP	02-161817	(A)4G
	3/4" BSPP	02-161816	(A)6G
	SAE 10	02-160642	(A)10H
	SAE 12	02-160646	(A)12H
C-12-3S	1/2" BSPP*	02-178270	(A)4G
	3/4" BSPP*	02-178271	(A)6G
	SAE 10**	02-178268	(A)10H
	SAE 12**	02-178269	(A)12H

Housing	Ports 1, 2 & 3	Part number	Code
C-16-3	1/2" BSPP	876720	(A)4G
	3/4" BSPP	876722	(A)6G
	SAE 10	876721	(A)10H
	SAE 12	876723	(A)12H
C-16-3S	1/2" BSPP	02-160676	(A)4G
	3/4" BSPP	876726	(A)6G
	SAE 10	876725	(A)10H
	SAE 12	876727	(A)12H
C-20-3	1/2" BSPP	876737	(A)4G
	3/4" BSPP***	876738	(A)6G
	SAE 10	876757	(A)10H
	SAE 12	876739	(A)12H
C-20-3S	3/4" BSPP	876740	(A)6G
	1" BSPP	876742	(A)8G
	SAE 12	876741	(A)12H
	SAE 16	876743	(A)16H

* Port 3 = 3/8" BSPP

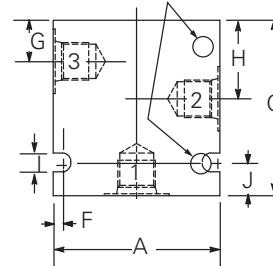
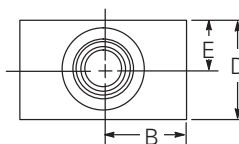
** Port 3 = SAE 6

*** Port 3 = 1/4" BSPP

Notes: BSPP porting is designated by "G" in the model code SAE porting is designated by either "H" or "T" in the model code.

Fatigue rated aluminum housings are intended for applications up to 210 bar (3000 psi) with harsh duty cycles. These housings have been fatigue rated to NFPA standards to one million cycles.

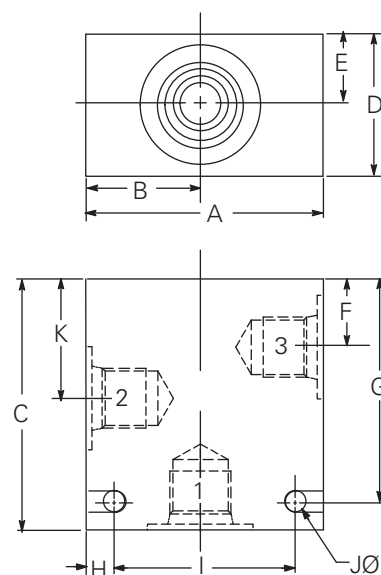
Only for C-12-3*
Two holes Ø10.3(0.04),
(82,5) 3.250 apart



Dimensions	A	B	C	D	E	F	G	H	I	J	Mass
mm (inch)											kg (lb)
C-8-3	63,5 (2.50)	31,8 (1.25)	67,3 (2.65)	38,1 (1.50)	19,1 (0.75)	3,4 (0.13)	15,5 (0.61)	29,8 (1.17)	7,1 (0.28)	13,3 (0.52)	0,4 (0.83)
C-10-3	75,4 (2.97)	38,1 (1.50)	75,4 (2.97)	50,0 (1.97)	24,6 (0.97)	9,5 (0.37)	18,8 (0.74)	34,8 (1.37)	7,1 (0.28)	18,2 (0.72)	0,7 (1.65)
C-10-3S	76,2 (3.00)	38,1 (1.50)	76,2 (3.00)	50,8 (2.00)	25,4 (1.00)	9,5 (0.37)	15,1 (0.59)	31,7 (1.25)	7,1 (0.28)	19,0 (0.75)	0,7 (1.65)
C-12-3	88,9 (3.50)	44,5 (1.75)	107,9 (4.25)	50,8 (2.00)	25,4 (1.00)	76,2 (3.00)	28,7 (1.13)	51,6 (2.03)	10,3 (0.41)	12,7 (0.50)	0,8 (1.80)
C-12-3S	88,9 (3.50)	44,5 (1.75)	101,6 (4.00)	50,8 (2.00)	25,4 (1.00)	76,2 (3.00)	23,0 (0.91)	42,1 (1.66)	10,3 (0.41)	44,5 (1.75)	0,8 (1.80)
C-16-3	114,3 (4.50)	60,3 (2.37)	114,3 (4.50)	63,5 (2.50)	31,8 (1.25)	10,3 (0.41)	28,4 (1.12)	57,0 (2.24)	8,7 (0.34)	25,4 (1.00)	2,0 (4.50)
C-16-3S	114,3 (4.50)	54,0 (2.12)	114,3 (4.50)	63,5 (2.50)	31,7 (1.25)	10,3 (0.40)	20,5 (0.81)	38,1 (1.50)	8,7 (0.34)	25,4 (1.00)	2,0 (4.40)
C-20-3	127,0 (5.00)	63,5 (2.50)	139,7 (5.50)	82,5 (3.25)	41,2 (1.62)	10,3 (0.40)	31,7 (1.25)	72,2 (2.84)	8,7 (0.34)	25,4 (1.00)	3,5 (7.71)
C-20-3S	127,0 (5.00)	63,5 (2.50)	127,0 (5.00)	82,5 (3.25)	41,2 (1.62)	10,3 (0.40)	20,6 (0.81)	50,8 (2.00)	8,7 (0.34)	25,4 (1.00)	3,6 (8.00)

Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.

Housing	Ports 1, 2 & 3	Part number	Code
C-8-3	1/4" BSPP	02-160743	(S)2G
	3/8" BSPP	02-160744	(S)3G
	SAE 4	02-160745	(S)4T
	SAE 6	02-160746	(S)6T
C-10-3	1/4" BSPP	02-175127	(S)2G
	3/8" BSPP	02-175128	(S)3G
	SAE 6	02-175124	(S)6T
	SAE 8	02-175125	(S)8T
C-12-3	1/2" BSPP	02-169815	(S)4G
	3/4" BSPP	02-169814	(S)6G
	SAE 10	02-161070	(S)10T
	SAE 12	02-169816	(S)12T
C-16-3	1/2" BSPP	02-175131	(S)4G
	3/4" BSPP	02-175132	(S)6G
	SAE 10	02-175129	(S)10T
	SAE 12	02-175130	(S)12T
C-20-3	3/4" BSPP	02-175135	(S)6G
	1" BSPP	02-175136	(S)8G
	SAE 12	02-175133	(S)12T
	SAE 16	02-175134	(S)16T



Notes: BSPP porting is designated by "G" in the model code SAE porting is designated by "T" in the model code.

Fatigue rated steel housings are intended for applications up to 350 bar (5000 psi) with harsh duty cycles. These housings have been fatigue rated to NFPA standards to one million cycles.

Dimensions	A	B	C	D	E	F	G	H	I	J	K	Mass
mm (inch)												kg (lb)
C-8-3*	63,5 (2.50)	31,8 (1.25)	66,7 (2.63)	38,1 (1.50)	19,1 (0.75)	15,5 (0.61)	54,0 (2.13)	3,3 (0.13)	56,9 (2.24)	7,1 (0.28)	29,8 (1.17)	0,9 (2.15)
C-10-3	76,2 (3.00)	38,1 (1.50)	76,2 (3.00)	44,4 (1.75)	22,4 (0.88)	19,1 (0.75)	63,5 (2.50)	9,7 (0.38)	57,0 (2.24)	7,1 (0.28)	35,1 (1.38)	1,7 (3.75)
C-12-3	88,9 (3.50)	44,4 (1.75)	101,6 (4.00)	50,8 (2.00)	25,4 (1.00)	28,7 (1.13)	88,9 (3.50)	12,7 (0.50)	63,5 (2.50)	10,3 (0.40)	51,5 (2.03)	3,0 (6.75)
C-16-3	101,6 (4.00)	50,8 (2.00)	107,9 (4.25)	50,8 (2.00)	25,4 (1.00)	25,4 (1.00)	88,9 (3.50)	12,7 (0.50)	76,2 (3.00)	10,3 (0.40)	54,0 (2.13)	3,4 (7.70)
C-20-3	114,3 (4.50)	57,1 (2.25)	139,7 (5.50)	63,5 (2.50)	31,8 (1.25)	31,8 (1.25)	114,3 (4.50)	19,0 (0.75)	76,2 (3.00)	11,9 (0.47)	72,2 (2.84)	6,4 (14.30)

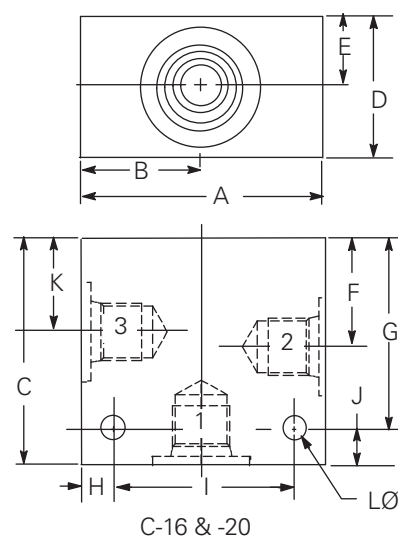
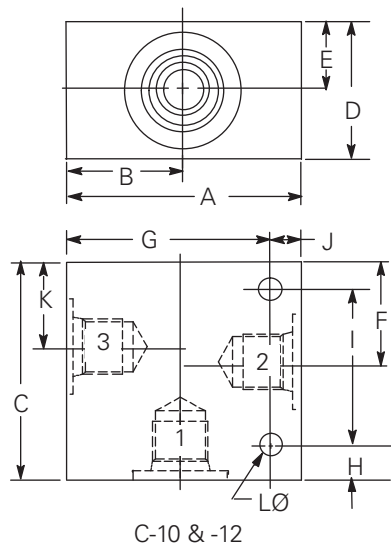
* 8 Series housings utilize a slot instead of mounting holes.

Steel housings (NFPA fatigue rated)

Housing	Ports 1 & 2	Port 3	Part number	Code
C-10-3S	3/8" BSPP	1/4" BSPP	02-163313	(S)3G
	1/2" BSPP	1/4" BSPP	02-163324	(S)4G
	SAE 6	SAE 6	02-171961	(S)6T
	SAE 8	SAE 6	02-163322	(S)8T
	SAE 10	SAE 6	02-163323	(S)10T
C-12-3S	1/2" BSPP	3/8" BSPP	02-160994	(S)4G
	3/4" BSPP	3/8" BSPP	02-160995	(S)6G
	SAE 10	SAE 6	02-160996	(S)10T
	SAE 12	SAE 6	02-160997	(S)12T
C-16-3S	1/2" BSPP	3/8" BSPP	02-175118	(S)4G
	3/4" BSPP	3/8" BSPP	02-175119	(S)6G
	SAE 10	SAE 6	02-175116	(S)10T
	SAE 12	SAE 6	02-175117	(S)12T
C-20-3S	3/4" BSPP	3/8" BSPP	02-175122	(S)6G
	1" BSPP	3/8" BSPP	02-175123	(S)8G
	SAE 12	SAE 6	02-175120	(S)12T
	SAE 16	SAE 6	02-175121	(S)16T

Notes: BSPP porting is designated by "G" in the model code SAE porting is designated by "T" in the model code.

Fatigue rated steel housings are intended for applications up to 350 bar (5000 psi) with harsh duty cycles. These housings have been fatigue rated to NFPA standards to one million cycles.



Dimensions	A	B	C	D	E	F	G	H	I	J	K	Lø	Mass
mm (inch)													kg (lb)
C-10-3S	63,5 (2.50)	31,8 (1.25)	76,2 (3.00)	41,3 (1.63)	20,7 (0.82)	36,6 (1.44)	53,8 (2.12)	11,2 (0.44)	53,8 (2.12)	9,7 (0.38)	19,8 (0.78)	8,7 (0.34)	1,08 (2.40)
C-12-3S	88,9 (3.50)	44,5 (1.75)	101,6 (4.00)	50,8 (2.00)	25,4 (1.00)	41,9 (1.65)	76,2 (3.00)	31,7 (1.25)	57,1 (2.25)	12,7 (0.50)	23,1 (0.91)	10,3 (0.40)	2,4 (5.40)
C-16-3S	88,9 (3.50)	41,2 (1.62)	88,9 (3.50)	50,8 (2.00)	25,4 (1.00)	38,1 (1.50)	69,8 (2.75)	12,7 (0.50)	63,5 (2.50)	19,0 (0.75)	17,4 (0.68)	10,3 (0.40)	2,6 (5.90)
C-20-3S	101,6 (4.00)	44,4 (1.75)	114,3 (4.50)	63,5 (2.50)	31,7 (1.25)	50,8 (2.00)	88,9 (3.50)	12,7 (0.50)	76,2 (3.00)	25,4 (1.00)	20,6 (0.81)	10,3 (0.40)	4,6 (10.24)

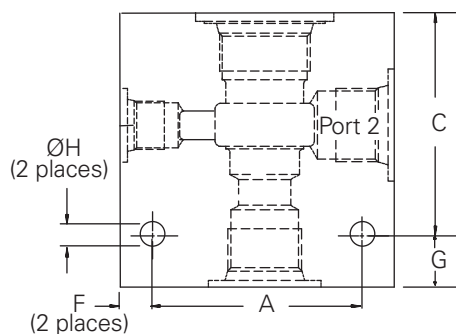
Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.

For use with EPV16-A or B only.**Housing Number**

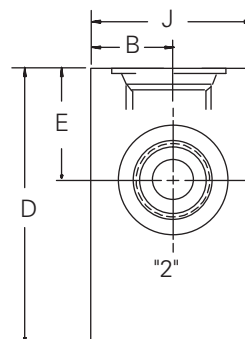
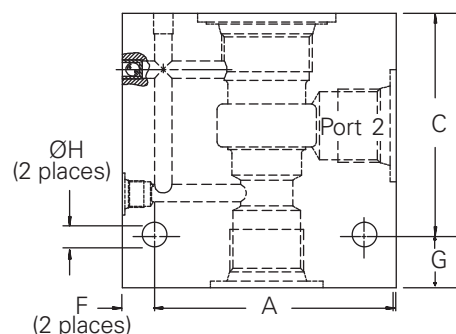
Code	Port Size	Aluminum EPV16-A	EPV16-B	Steel EPV16-A	EPV16-B
4G	1/2" BSPP	02-185448	02-166607	02-180050	02-165500
6G	3/4" BSPP	02-185449	02-161582	02-180051	02-164931
10H	SAE 10	02-185446	02-170238	—	—
12H	SAE 12	02-185447	02-166609	—	—
10T	SAE 10	—	—	02-180048	02-161983
12T	SAE 12	—	—	02-180049	02-161982
5C	CETOP5 (NFPA D05) interface (Requires steel housing)				

Model	A	B	C	D	E	F	G	ØH	J	Mass kg (lb)	
mm (inch)										Alum	Steel
Modified C-16-3S	76,2	30,2	79,2	100,8	38,1	12,7	21,4	8,7	60,4	2,0	6,0
body	(3.00)	(1.19)	(3.12)	(3.97)	(1.50)	(0.50)	(0.84)	(0.34)	(2.38)	(4.50)	(13.5)

Modified housing for
use with EPV16-A.



Modified housing for
use with EPV16-B.



C-**-4

Aluminum housings (light duty)

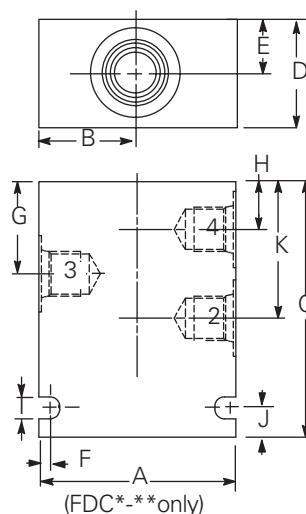
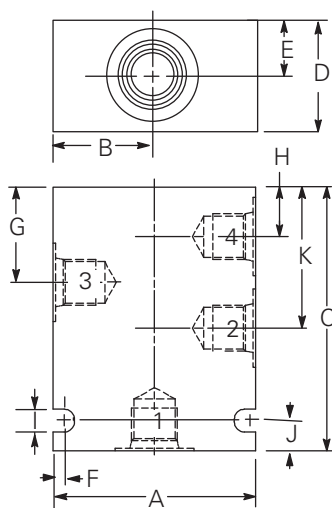
Housing	Ports 1, 2, 3 & 4	Part number	Code
C-10-4	3/8" BSPP SAE 6	02-179705 566161	(A)3B (A)6T
C-12-4	SAE10	6030517-001	(A)10T
C-16-4	3/4" BSPP SAE 12	02-175468 566411	(A)6B (A)12T
C-20-4	1" BSPP SAE 16	02-175469 566412	(A)8B (A)16T

Housing (FDC**-**only)

C-10-4	3/8" BSPP SAE 6	02-175467 566234	(A)3B (A)6T
C-16-4	3/4" BSPP SAE 12	02-175468 566200	(A)6B (A)12T

Notes: BSPP porting is designated by "B" in the model code SAE porting is designated by "T" in the model code.

Light duty aluminum housings are intended for applications up to 210 bar (3000 psi) with light to moderate duty cycles.



Dimensions	A	B	C	D	E	F	G	H	I	J	K	Mass
mm (inch)												kg (lb)
C-10-4	63,5 (2.50)	31,7 (1.25)	82,5 (3.25)	31,7 (1.25)	15,8 (0.62)	3,1 (0.12)	34,9 (1.37)	19,0 (0.75)	7,1 (0.28)	9,5 (0.37)	50,8 (2.00)	0,3 (0.72)
C-16-4	106,6 (4.00)	50,8 (2.00)	133,3 (5.25)	50,8 (2.00)	25,4 (1.00)	3,8 (0.15)	53,9 (2.12)	25,4 (1.00)	8,7 (0.34)	22,2 (0.87)	82,5 (3.25)	1,4 (3.24)
C-20-4	114,3 (4.50)	57,1 (2.25)	117,8 (7.00)	63,5 (2.50)	31,7 (1.25)	4,0 (0.16)	72,1 (2.84)	31,7 (1.25)	10,4 (0.41)	25,4 (1.00)	113,5 (4.47)	2,6 (5.76)

Note: For C-10-4 housings for VCB valves see page J-25.

Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.

Housing	Ports 1, 2, 3 & 4	Part number	Code
C-8-4	1/4" BSPP	02-160747	(A)2G
	3/8" BSPP	02-160748	(A)3G
	SAE 4	02-160749	(A)4T
	SAE 6	02-160750	(A)6T
C-10-4	1/4" BSPP	876709	(A)2G
	3/8" BSPP	876715	(A)3G
	SAE 6	876708	(A)6H
	SAE 8	876713	(A)8H
C-12-4	3/4" BSPP	5986432-001	(A)6G
	SAE 10	5986434-001	(A)10T
	SAE 12	5986436-001	(A)12T
C-16-4	1/2" BSPP	876728	(A)4G
	3/4" BSPP	876730	(A)6G
	SAE 10	876279	(A)10H
	SAE 12	876731	(A)12H
C-20-4	3/4" BSPP	876744	(A)6G
	1" BSPP	876746	(A)8G
	SAE 12	876745	(A)12H
	SAE 16	876747	(A)16H

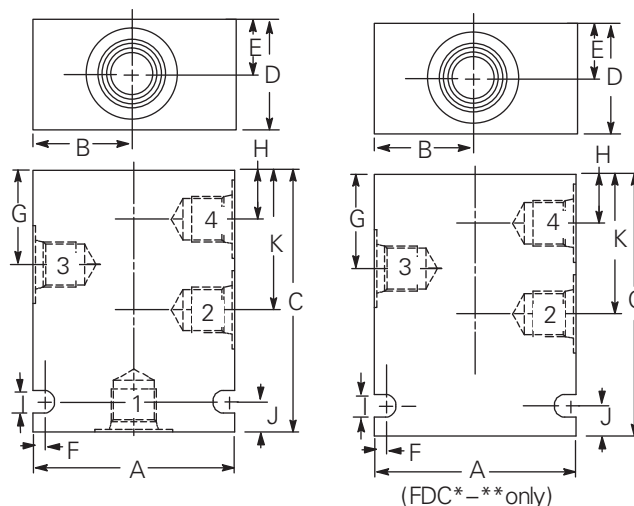
Housing (FDC-**only)**

C-10-4	1/4" BSPP	02-185804	(A)2G
	3/8" BSPP	02-185805	(A)3G
	SAE 6	02-185802	(A)6H
	SAE 8	02-185803	(A)8H

Notes: BSPP porting is designated by "G" in the model code SAE porting is designated by either "H" in the model code.

Fatigue rated aluminum housings are intended for applications up to 210 bar (3000 psi) with harsh duty cycles. These housings have been fatigue rated to NFPA standards to one million cycles.

For C-10-4 and C-12-4 housings for VCB valves see pages J-25 & J-27 respectively.



Dimensions	A	B	C	D	E	F	G	H	I	J	K	Mass
mm (inch)												kg (lb)
C-8-4	63,5 (2.50)	31,8 (1.25)	82,6 (3.25)	38,1 (1.50)	19,1 (0.75)	3,2 (0.13)	29,8 (1.17)	15,5 (0.61)	7,1 (0.28)	9,6 (0.38)	44,0 (1.73)	0,8 (1.76)
C-10-4	76,2 (3.00)	38,1 (1.50)	88,9 (3.50)	50,8 (2.00)	25,4 (1.00)	9,5 (0.37)	36,6 (1.44)	20,8 (0.82)	7,1 (0.28)	12,7 (0.50)	52,5 (2.07)	0,9 (2.00)
C-12-4	88,9 (3.50)	44,5 (1.75)	127,0 (5.00)	63,5 (2.50)	31,8 (1.25)	10,3 (0.40)	51,6 (2.03)	28,7 (1.13)	8,7 (0.34)	25,4 (1.00)	74,4 (2.93)	1,6 (3.6)
C-16-4	114,3 (4.50)	60,3 (2.37)	139,7 (5.50)	63,5 (2.50)	31,8 (1.25)	10,3 (0.40)	57,0 (2.24)	28,4 (1.12)	8,7 (0.34)	25,4 (1.00)	85,5 (3.37)	2,4 (5.29)
C-20-4	127,0 (5.00)	63,5 (2.50)	177,8 (7.00)	82,5 (3.25)	41,3 (1.63)	10,3 (0.40)	76,5 (3.01)	36,0 (1.42)	8,7 (0.34)	19,0 (0.75)	117,8 (4.63)	4,7 (10.5)

Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.

C-**-4

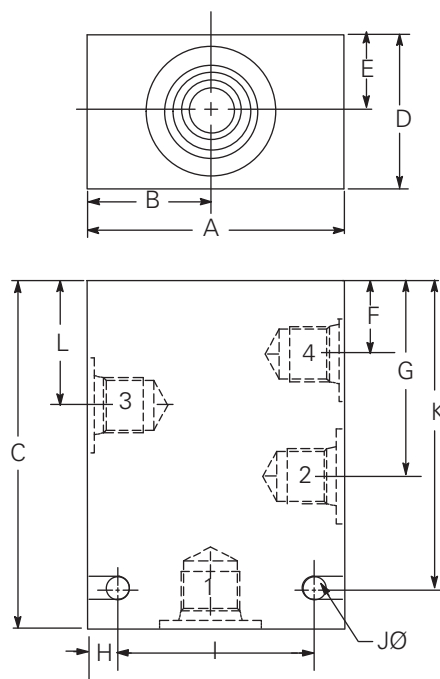
Steel housings (NFPA fatigue rated)

Housing	Ports 1, 2, 3 & 4	Part number	Code
C-8-4	1/4" BSPP	02-160751	(S)2G
	3/8" BSPP	02-160752	(S)3G
	SAE 4	02-160753	(S)4T
	SAE 6	02-160754	(S)6T
C-10-4	1/4" BSPP	02-175139	(S)2G
	3/8" BSPP	02-175140	(S)3G
	SAE 6	02-175137	(S)6T
	SAE 8	02-175138	(S)8T
C-16-4	1/2" BSPP	02-175143	(S)4G
	3/4" BSPP	02-175144	(S)6G
	SAE 10	02-175141	(S)10T
	SAE 12	02-175142	(S)12T
C-20-4	1/2" BSPP	02-175147	(S)4G
	3/4" BSPP	02-175148	(S)6G
	SAE 12	02-175145	(S)12T
	SAE 16	02-175146	(S)16T

Notes: BSPP porting is designated by "G" in the model code SAE porting is designated by "T" in the model code 8 series utilize slot in place of mounting hole.

Fatigue rated steel housings are intended for applications up to 350 bar (5000 psi) with harsh duty cycles. These housings have been fatigue rated to NFPA standards to one million cycles.

For C-10-4 and C-12-4 housings for VCB valves see pages J-24 & J-27 respectively.



Dimensions	A	B	C	D	E	F	G	H	I	J	K	L	Mass
mm (inch)													kg (lb)
C-8-4*	63,5 (2.50)	31,8 (1.25)	82,6 (3.25)	38,1 (1.50)	19,1 (0.75)	15,5 (0.61)	44,0 (1.73)	3,3 (0.13)	57,1 (2.25)	7,1 (0.28)	73,0 (2.88)	29,8 (1.17)	1,2 (2.70)
C-10-4	76,2 (3.00)	38,1 (1.50)	88,9 (3.50)	44,4 (1.75)	22,2 (0.87)	19,1 (0.75)	50,8 (2.00)	9,5 (0.37)	57,1 (2.25)	7,1 (0.28)	76,2 (3.00)	34,9 (1.37)	1,9 (4.35)
C-16-4	101,6 (4.00)	50,8 (2.00)	139,7 (5.50)	50,8 (2.00)	25,4 (1.00)	25,4 (1.00)	82,5 (3.25)	12,7 (0.50)	76,2 (3.00)	10,3 (0.40)	120,6 (4.75)	53,9 (2.12)	5,6 (12.40)
C-20-4	114,3 (4.50)	57,1 (2.25)	177,8 (7.00)	63,5 (2.50)	31,8 (1.25)	31,8 (1.25)	113,5 (4.47)	19,1 (0.75)	76,2 (3.00)	11,8 (0.47)	152,4 (6.00)	72,1 (2.84)	8,2 (18.20)

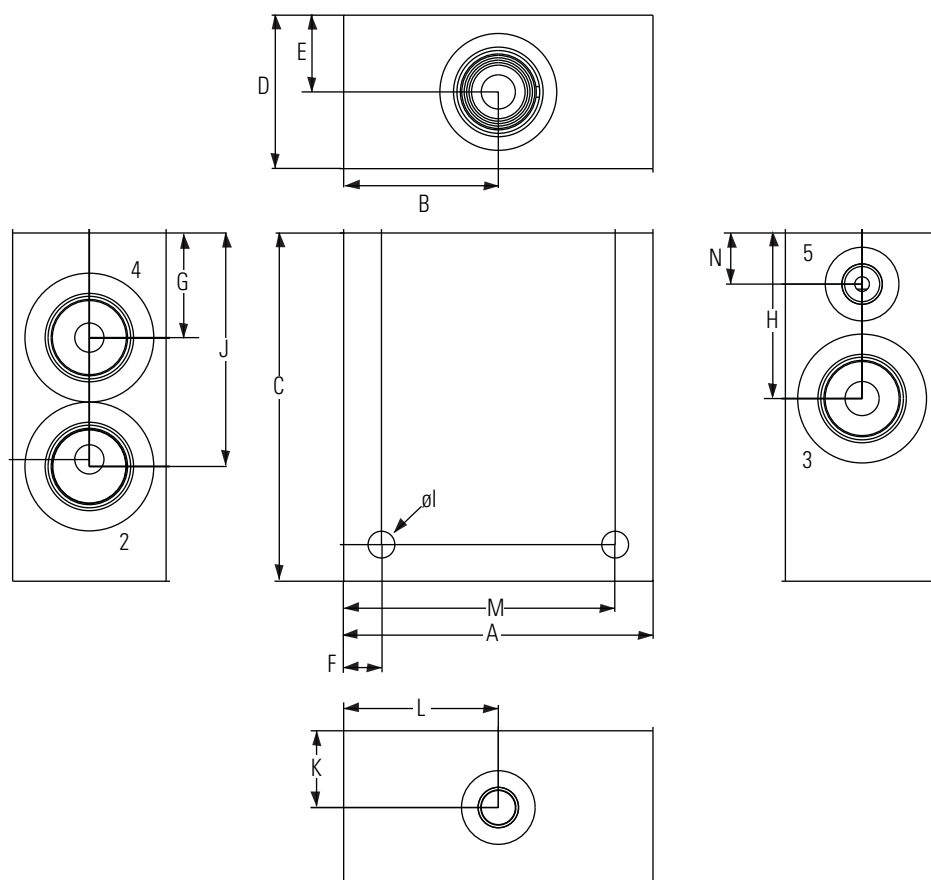
* 8 Series housings utilize slot instead of mounting holes.

Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.

Housing	Ports 2,3,4	Port 1,5	Aluminum part number	Code	Steel part number	Code
C-12-5S	SAE 10	SAE 4	4998820-001	(A)10T	4998821-001	(S)10T
	SAE 12	SAE 4	4998820-002	(A)12T	4998821-002	(S)12T
	1/2" BSPP	1/4" BSPP	4998820-003	(A)04G	4998821-003	(S)04G
	3/4" BSPP	1/4" BSPP	4998820-004	(A)06G	4998821-004	(S)06G
C-16-5S	SAE 12	SAE 4	4994880-001	(A)12T	4994881-001	(S)12T
	SAE 16	SAE 4	4994880-002	(A)16T	4994881-002	(S)16T
	3/4" BSPP	1/4" BSPP	4994880-003	(A)06G	4994881-003	(S)06G
	1" BSPP	1/4" BSPP	4994880-004	(A)08G	4994881-004	(S)08G
C-20-5S	SAE 12	SAE 4	4998822-001	(A)12T	4998823-001	(S)12T
	SAE 16	SAE 4	4998822-002	(A)16T	4998823-002	(S)16T
	3/4" BSPP	1/4" BSPP	4998822-003	(A)06G	4998823-003	(S)06G
	1" BSPP	1/4" BSPP	4998822-004	(A)08G	4998823-004	(S)08G

Notes: BSPP porting is designated by "G" in the model code SAE porting is designated by "T" in the model code.

Fatigue rated aluminum and steel housings are intended for applications up to 210 bar (3000 psi) and 350 bar (5000 psi) respectively with harsh duty cycles. These housings have been fatigue rated to NFPA standards to one million cycles.



Dimensions	A	B	C	D	E	F	G	H	DIA. I	J	K	L	M	N
mm (inch)														
C-12-5S	100.8 (3.97)	50.4 (1.99)	113.5 (4.47)	50 (1.97)	25 (0.99)	12.3 (0.49)	34.1 (1.34)	54 (2.13)	8.7 (0.34)	76.1 (3.00)	25 (0.99)	50.4 (1.99)	88.5 (3.49)	16.7 (0.66)
C-16-5S	113.5 (4.47)	56.8 (2.24)	126.2 (4.97)	62.7 (2.47)	31.4 (1.24)	9.5 (0.38)	36.1 (1.42)	58.7 (2.31)	8.7 (0.34)	85.7 (3.38)	31.4 (1.24)	56.8 (2.24)	104.8 (4.13)	16.9 (0.66)
C-20-5S	126.2 (4.97)	63.1 (2.49)	138.9 (5.47)	75.4 (2.97)	37.7 (1.49)	12.7 (0.50)	37.6 (1.48)	62.3 (2.45)	10.3 (0.40)	87.4 (3.44)	37.7 (1.09)	63.1 (2.49)	114.3 (4.50)	16.8 (0.66)

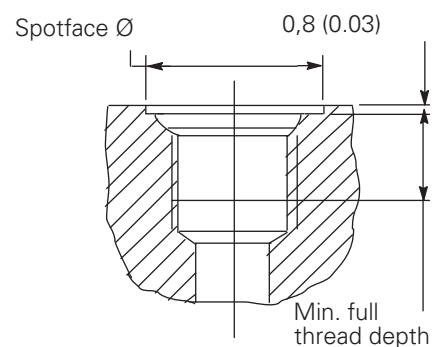
Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.

Port dimensions

Key dimensions in all standard housings

SAE Size	Thread size	Minimum spotface Ø	Minimum full thd depth
4	0.437"-20 UNF-2B	21,1 (0.82)	11,5 (0.45)
6	0.563"-18 UNF-2B	24,7 (0.96)	12,7 (0.50)
8	0.750"-16 UNF-2B	30,2 (1.18)	14,2 (0.56)
10	0.875"-14 UNF-2B	34,2 (1.34)	16,6 (0.65)
12	1.062"-12 UN-2B	41,3 (1.62)	19,0 (0.75)
16	1.312"-12 UN-2B	48,6 (1.91)	19,0 (0.75)

BSPP thread size	Minimum spotface Ø	Minimum full thd depth
1/4"	24 (0.94)	12,2 (0.48)
3/8"	27 (1.06)	12,2 (0.48)
1/2"	33 (1.29)	15,0 (0.59)
3/4"	42 (1.65)	16,3 (0.64)
1"	47 (1.85)	19,1 (0.75)



Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.