

C-**-2

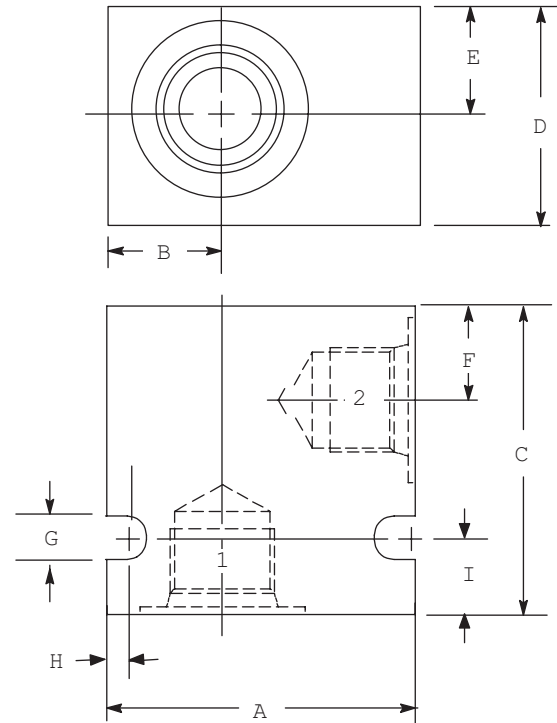
Aluminum housings (Light duty)

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.



J

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 (3.0)	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 (3.5)	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)

C-**-2

Aluminum housings
(NFPA fatigue rated)

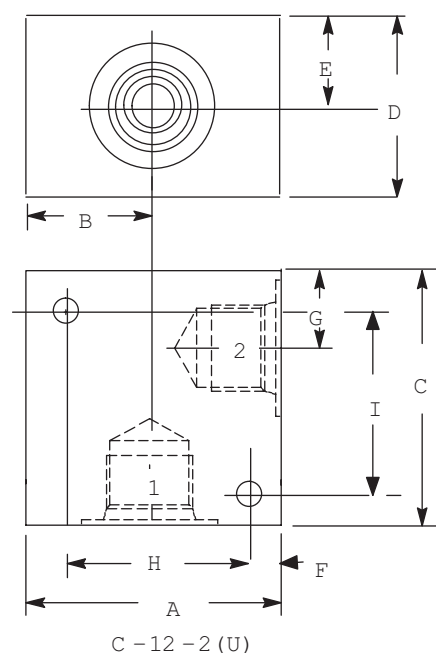
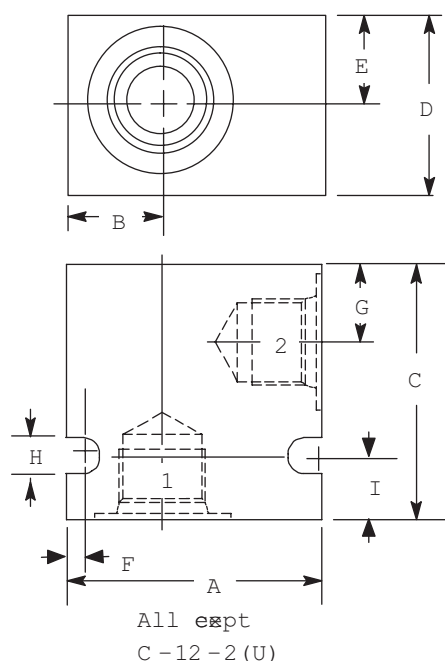
Housing	Ports 1 & 2	Part Number	Code
C-8-2	1/4" BSPP	02-160727	(A)2G
	3/8" BSPP	02-160728	(A)3G
	SAE 4	02-160730	(A)4H
	SAE 6	02-160731	(A)6H
	SAE 8	02-160732	(A)8H
C-10-2	1/4" BSPP	876702	(A)2G
	3/8" BSPP	876703	(A)3G
	SAE 6	876700	(A)6H
	SAE 8	876701	(A)8H
C-12-2	1/2" BSPP	02-161118	(A)4G
	3/4" BSPP	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	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)	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)	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)	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)	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)	1,8 (4.00)

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

C-**-2

Steel housings
(NFPA fatigue rated)

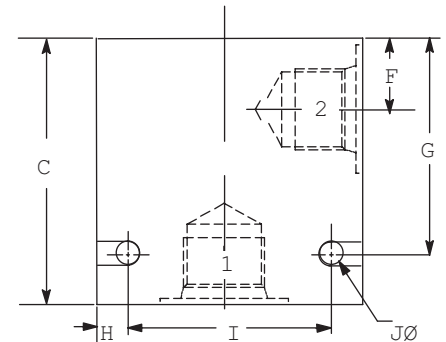
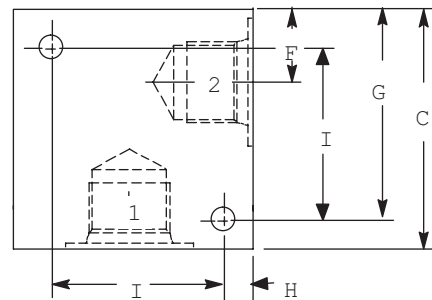
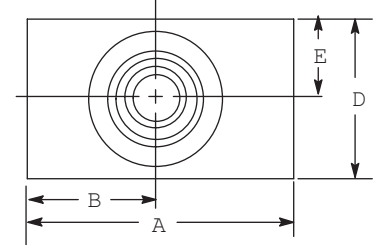
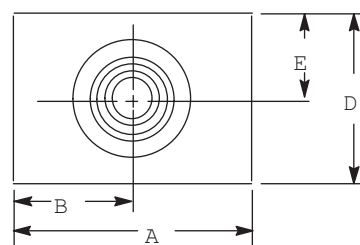
Housing	Ports 1 & 2	Part Number	Code
C-8-2	1/4" BSPP	02-160733	(S)2G
	3/8" BSPP	02-160734	(S)3G
	SAE 4	02-160736	(S)4T
	SAE 6	02-160737	(S)6T
	SAE 8	02-160738	(S)8T
C-10-2	1/4" BSPP	02-175102	(S)2G
	3/8" BSPP	02-175103	(S)3G
	SAE 6	02-175100	(S)6T
	SAE 8	02-175101	(S)8T
C-12-2	1/2" BSPP	02-172062	(S)4G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

C-**-3/3S

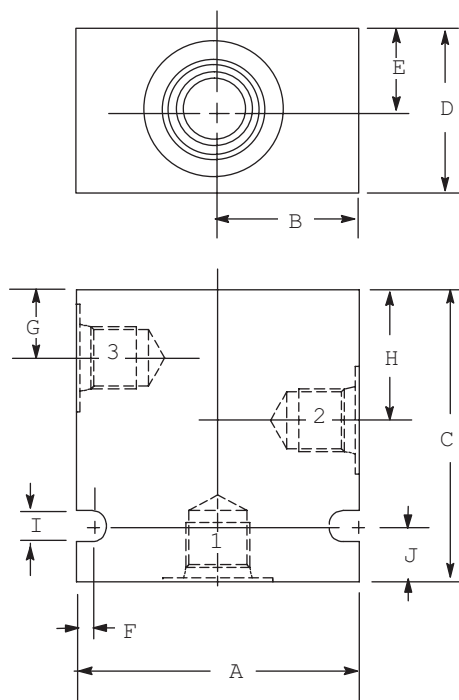
Aluminum housings
(Light duty)

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

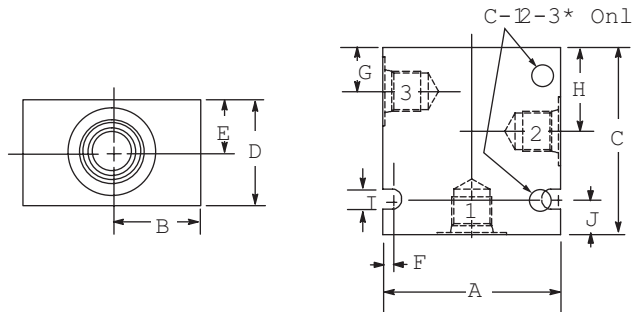
Housing	Ports 1, 2 & 3	Part Number	Code
C-16-3	1/2" BSPP	876720	(A)4G
	3/4" BSPP	876722	(A)6G
	SAE 10	876721	(A)10H
	SAE 12	876723	(A)12H
C-16-3S	1/2" BSPP	02-160676	(A)4G
	3/4" BSPP	876726	(A)6G
	SAE 10	876725	(A)10H
	SAE 12	876727	(A)12H
C-20-3	1/2" BSPP	876737	(A)4G
	3/4" BSPP***	876738	(A)6G
	SAE 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.

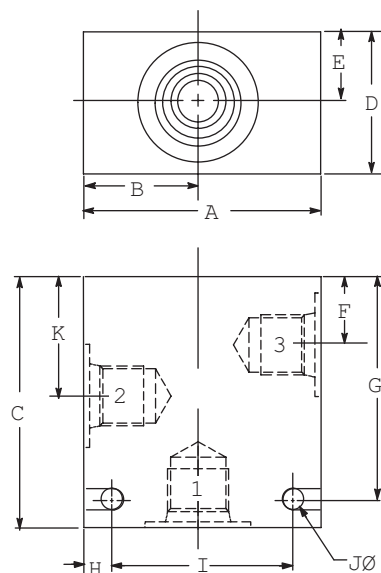


Dimensions	A	B	C	D	E	F	G	H	I	J	Mass
mm (inch)											kg (lb)
C-8-3	63,5 (2.50)	31,8 (1.25)	67,3 (2.65)	38,1 (1.50)	19,1 (0.75)	3,4 (0.13)	15,5 (0.61)	29,8 (1.17)	7,1 (0.28)	13,3 (0.52)	0,4 (0.83)
C-10-3	75,4 (2.97)	38,1 (1.50)	75,4 (2.97)	50,0 (1.97)	24,6 (0.97)	9,5 (0.37)	18,8 (0.74)	34,8 (1.37)	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)

C-**-3

Steel housings
(NFPA fatigue rated)

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.

J

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.

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

C-**-3S

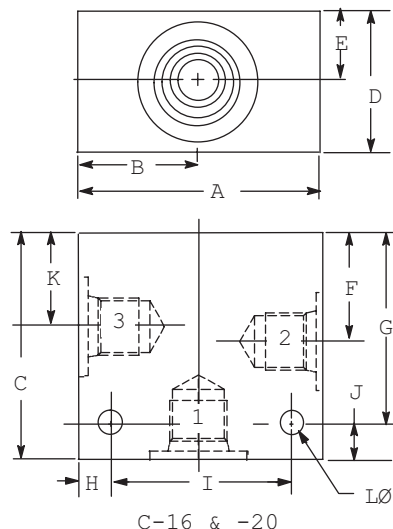
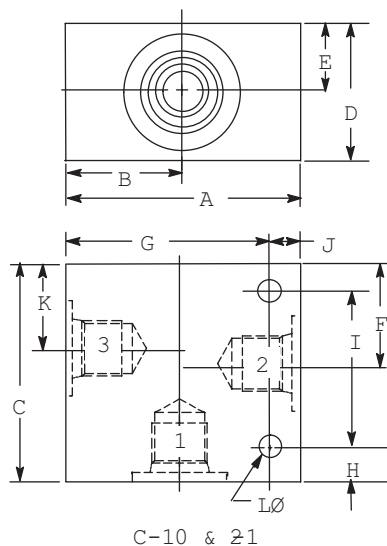
Steel housings
(NFPA fatigue rated)

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)

C-16-3S

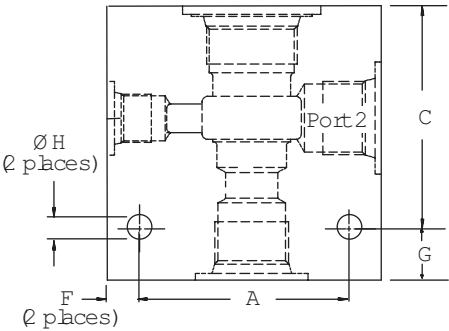
Steel (NFPA fatigue rated)
Special housings for EPV16 only

For use with EPV16-A or B only.

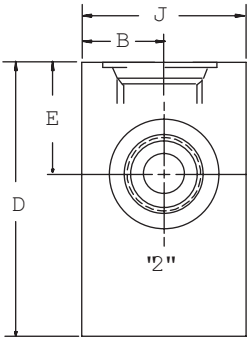
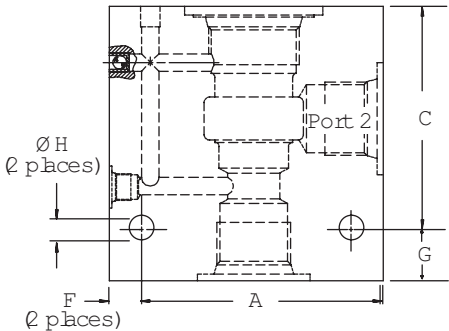
Housing Number					
Code	Port Size	EPV16-A	Aluminum	EPV16-A	Steel
			EPV16-B	EPV16-B	
4G	1/2" BSPP		02-185448	02-166607	02-180050 02-165500
6G	3/4" BSPP		02-185449	02-161582	02-180051 02-164931
10H	SAE 10		02-185446	02-170238	– –
12H	SAE 12		02-185447	02-166609	– –
10T	SAE 10	–	–		02-180048 02-161983
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 body	(3.00)	76,2 (1.19)	30,2 (3.12)	79,2 (3.97)	100,8 (1.50)	38,1 (0.50)	12,7 (0.84)	21,4 (0.34)	8,7 (2.38)	60,4 (4.50)	2,0 (13.5)	6,0

Modified housing for use with EPV16-A.



Modified housing for use with EPV16-B.



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

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-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

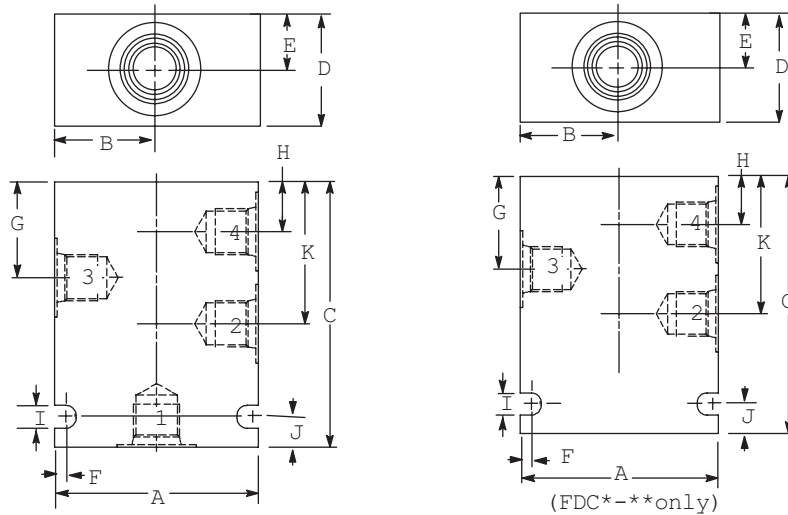
Housing (FDC**-**only)

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.

C-**-4

Aluminum housings
(NFPA fatigue rated)

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)

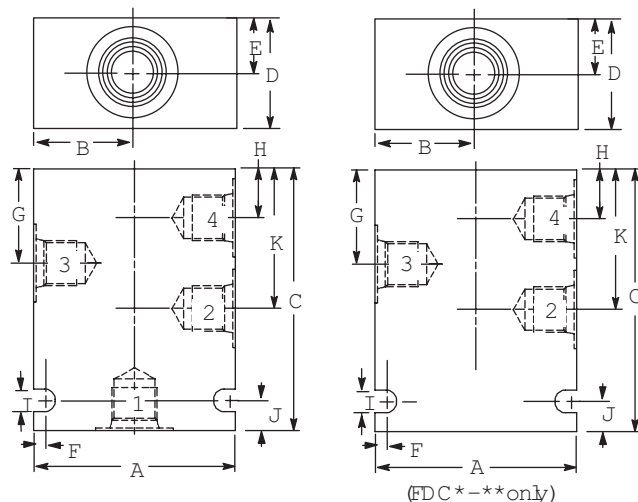
C-10-4	1/4" BSPP	02-185804	(A)2G
	3/8" BSPP	02-185805	(A)3G
	SAE 6	02-185802	(A)6H
	SAE 8	02-185803	(A)8H

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)

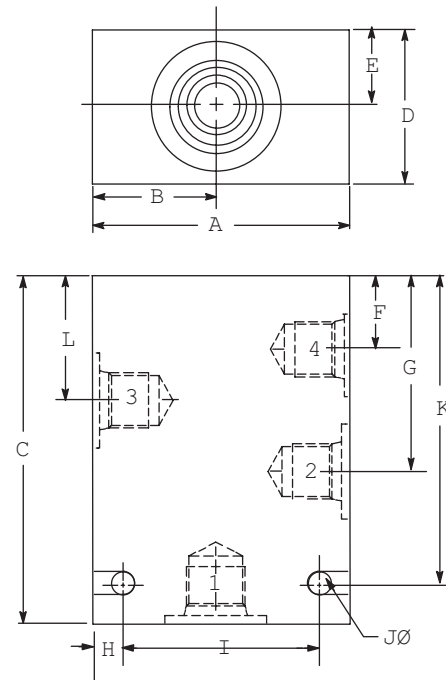
Housing	2, 3 & 4	Ports 1,	Part Number	Code
C-8-4		1/4" BSPP	02-160751	(S)2G
		3/8" BSPP	02-160752	(S)3G
		SAE 4	02-160753	(S)4T
		SAE 6	02-160754	(S)6T
C-10-4		1/4" BSPP	02-175139	(S)2G
		3/8" BSPP	02-175140	(S)3G
		SAE 6	02-175137	(S)6T
		SAE 8	02-175138	(S)8T
C-16-4		1/2" BSPP	02-175143	(S)4G
		3/4" 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.

C-**-5S

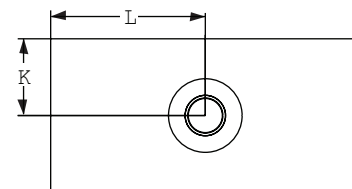
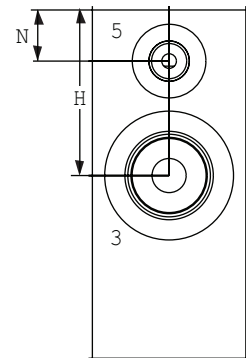
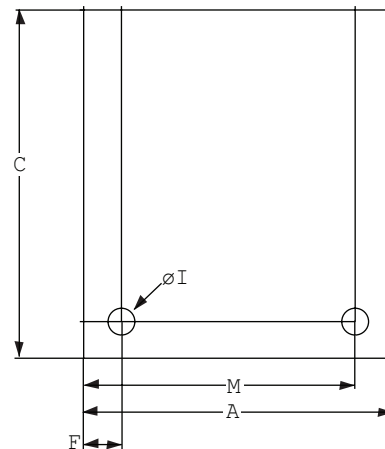
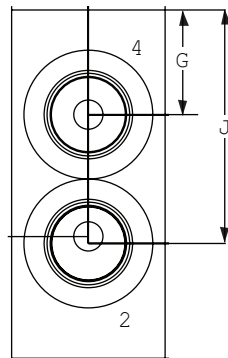
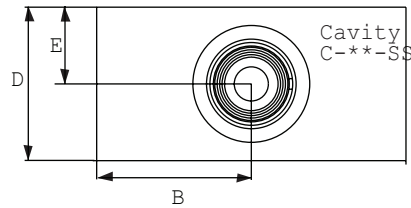
Steel and aluminum housings
(NFPA fatigue rated)

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
	SAE 12	SAE 4	4998820-002	(A)12T
	1/2" BSPP	1/4" BSPP	4998820-003	(A)04G
	3/4" BSPP	1/4" BSPP	4998820-004	(A)06G
C-16-5S	SAE 12	SAE 4	4994880-001	(A)12T
	SAE 16	SAE 4	4994880-002	(A)16T
	3/4" BSPP	1/4" BSPP	4994880-003	(A)06G
	1" BSPP	1/4" BSPP	4994880-004	(A)08G
C-20-5S	SAE 12	SAE 4	4998822-001	(A)12T
	SAE 16	SAE 4	4998822-002	(A)16T
	3/4" BSPP	1/4" BSPP	4998822-003	(A)06G
	1" BSPP	1/4" BSPP	4998822-004	(A)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)

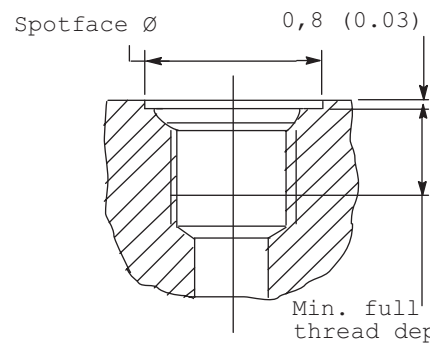
Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.

Port Dimensions

Key dimensions in all standard housings

SAE Size	Thread Size	Spotface Ø	Minimum Thd Depth	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	Spotface Ø	Minimum Thd Depth	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)



J