

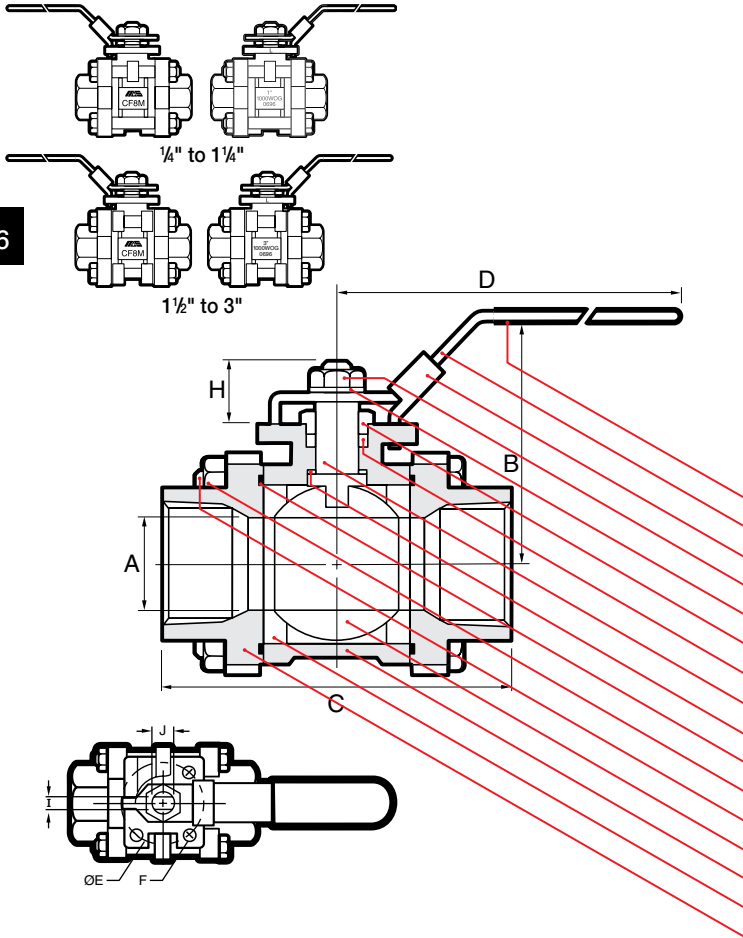
# C Series Carbon Steel Ball Valves

## CSS-F-3N



Full port  
NPT threads to ANSI B1.20.1  
Three piece body  
Blowout-proof stem  
Adjustable packing nut  
Locking lever handle  
ISO 5211 mounting pad  
Floating ball  
Complies to NACE MR-01-75  
2000 PSI, W.O.G. 1/4" to 1"  
1500 PSI, W.O.G. 1 1/4" to 3"

4.6



NAME / MATERIAL	
1.	Handle Grip/ Vinyl
2.	Handle / Stainless Steel 304 - A276
3.	Locking Device / Stainless Steel 304 - A276
4.	Handle Nut / Stainless Steel 304 - A276
5.	Stem Washer / Stainless Steel 304 - A276
6.	Gland Nut / Carbon Steel A108
7.	Packing / PTFE
8.	Stem / Stainless Steel 316 - A276
9.	Thrust Washer / Reinforced Teflon 15% GFT
10.	Gasket / PTFE
11.	Hex Nut / Carbon Steel A194 Grade 2HM
12.	Bolt / Carbon Steel A193 Grade B7M
13.	Ball / Stainless Steel 316 - A351
14.	Body / Cast Steel A216 - WCB
15.	Seat / Reinforced Teflon 15% GFT
16.	Cap / Cast Steel A216 - WCB

D I M E N S I O N S	
size	8 10 15 20 25 32 40 50 65 80
mm/in	1/4 3/8 1/2 3/4 1 1 1/4 1 1/2 2 2 1/2 3
A	9.50 9.50 15.00 20.00 25.00 32.00 38.00 50.50 65.00 78.00
mm/in	0.374 0.374 0.591 0.787 0.984 1.260 1.496 1.988 2.559 3.071
B	67.00 67.00 68.50 75.00 79.00 88.50 94.50 107.00 129.50 139.50
mm/in	2.638 2.638 2.697 2.953 3.110 3.484 3.720 4.213 5.098 5.492
C	60.00 60.00 70.00 76.00 92.00 105.0 120.0 138.0 170.5 191.0
mm/in	2.362 2.362 2.756 2.922 3.622 4.134 4.724 5.433 6.713 7.520
D	120.00 120.00 120.00 139.00 139.00 193.00 193.00 193.00 244.00 244.00
mm/in	4.724 4.724 4.724 5.472 5.472 7.598 7.598 7.598 9.606 9.606
E	36.00 36.00 36.00 42.00 42.00 50.00 70.00 70.00 102.00 102.00
mm/in	1.417 1.417 1.417 1.653 1.653 1.968 2.756 2.756 4.016 4.016
F	M6 M6 M6 M6 M6 M8 M8 M8 M8 M8
ISO Flg	F03 F03 F03 F04 F04 F05 F07 F07 F10 F10
H	11.50 12.50 14.50 18.00 18.00 23.50 22.50 25.00 32.50 31.00
mm/in	0.453 0.492 0.571 0.709 0.709 0.925 0.886 0.984 1.280 1.220
I	5.50 5.50 5.50 6.50 6.50 8.00 8.00 10.00 12.00 12.00
mm/in	0.217 0.217 0.217 0.256 0.256 0.315 0.315 0.394 0.472 0.472
J	7.70 7.70 7.70 9.30 9.30 12.50 12.50 15.60 18.80 18.80
mm/in	0.303 0.303 0.303 0.367 0.367 0.492 0.492 0.614 0.740 0.740
CV	10 10 26 50 68 120 170 360 510 900
Weights	0.434 0.420 0.620 0.910 1.190 1.930 2.780 4.750 8.630 13.460
kg/lb	0.955 0.924 1.364 2.002 2.618 4.246 6.116 10.450 18.986 29.612

