

# Lead-Free Bronze Ball Valves

**Features:** Silicon Performance Bronze® Alloy • Two-Piece Body • Full Port • Blowout-Proof Stem

**Approvals:** MSS SP-110 • NSF/ANSI-61-8 Commercial Hot 180°F (includes annex F and G) and NSF/ANSI-372

**Size range:** 1/2" - 1"

**Pressure rating:** 600 PSI non-shock cold working pressure

**Maximum pressure / temperature:** 100 PSI at 180° F

Lead-free markings:

Double oval in body casting, white handle and blue hang tag



NSF/ANSI 61  
NSF/ANSI 372



**S-685-80-D-LF**

Solder



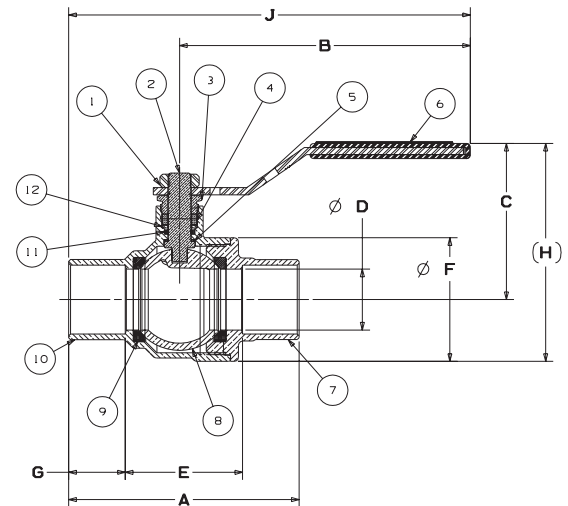
Handle Markings

## MATERIAL LIST

PART	SPECIFICATION
1. Handle	Steel, Plated
2. Nut, Handle	Steel, Plated
3. Pack Gland	Brass ASTM B16 Alloy C36000
4. Packing, Stem	Virgin PTFE
5. Washer, Flat	430 Stainless
6. O-Ring, Stem	EPDM
7. Washer, Thrust	Reinforced PTFE
8. Stem	Silicon Bronze ASTM B371 Alloy C69300
9. Body, Solder	Silicon Bronze ASTM B283 Alloy C69300
10. Seat Ring	Virgin PTFE
11. Ball	Silicon Bronze ASTM B283 Alloy C69300
12. End Piece, Solder	Silicon Bronze ASTM B283 Alloy C69300
13. Drain Washer	Rubber
14. Drain Cap	Brass ASTM B16 Alloy C36000

## DIMENSIONS—WEIGHTS

Nom. Size	Approx. Net Wt./Lbs.	DIMENSIONS/INCHES				
		A	B	C	D	
1/2	0.504	2.28	3.90	1.95	0.50	
3/4	0.943	3.05	4.66	2.30	0.75	
1	1.114	3.72	4.66	2.50	1.00	



**S-685-80-D-LF**  
C x C

## DIMENSIONS—WEIGHTS

NOM SIZE	A		B		C		D		E		F		G		J		Weight		
	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Lbs.	Kg.	Lbs.	Kg.	
1/2	15	2.47	63	3.96	101	1.99	51	0.50	13	1.47	37	1.48	38	0.5	13	5.11	130	0.50	0.23
3/4	20	3.24	82	4.76	121	2.39	61	0.75	19	1.74	44	1.87	47	0.75	19	6.35	161	0.94	0.43
1	20	3.87	98	2.56	65	4.76	121	1.00	25	2.02	51	2.27	58	0.92	23	6.68	170	1.11	0.51



**WARNING:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

LEAD-FREE: Weighted average lead content ≤ 0.25%