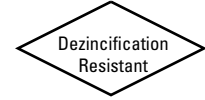


# Bronze Ball Valves

Two-Piece Body • Full Port • Bronze Trim • Thread x Solder (TS) or Solder x Thread End (ST) • Blowout-Proof Stem



**600 PSI/41.4 bar non-shock cold working pressure**  
**150 PSI/10.3 bar saturated steam\***

CONFORMS TO MSS SP-110

## MATERIAL LIST

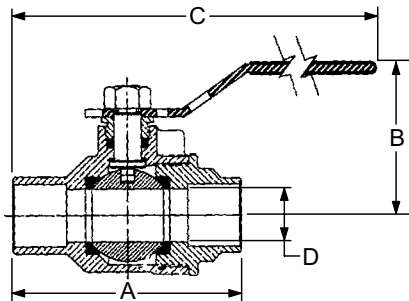
PART	SPECIFICATION
1. Handle Nut	Zinc Plated Steel
2. Handle	Zinc Plated Steel Clear Chromate Plastisol Coated
3. Threaded Pack Gland	Brass ASTM B 16 Alloy C36000
4. Packing	PTFE
5. Stem	Silicon Bronze ASTM B 371 Alloy C69300 or ASTM B99 Alloy C65100
6. Thrust Washer	Reinforced PTFE
7. Ball	Brass ASTM B 124 Alloy C37700 or ASTM B16 Alloy C36000 EACH with Hard Chrome Plate
8. Seat Ring (2)	Reinforced PTFE
9. Body	Bronze ASTM B 584 Alloy C84400
10. Body End Piece	Bronze ASTM B 584 Alloy C84400



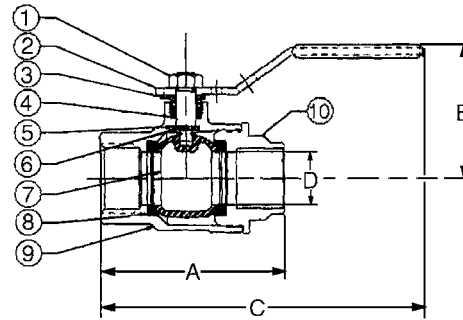
**TS-585-70**  
Threaded x Solder



**ST-585-70**  
Solder x Threaded



**ST-585-70**  
NPT x C



**TS-585-70**  
NPT x C

## DIMENSIONS—WEIGHTS—QUANTITIES

Size	Dimensions												TS-585-70		ST-585-70		Master Ctn.	Qty.
	A		A		B	C		C		D	Lbs.	Kg.	Lbs.	Kg.				
1/2	15	2.55	65	2.40	61	1.88	48	5.19	132	5.25	133	.50	13	.71	.32	.62	.28	100
3/4	20	3.06	78	3.09	78	2.25	57	6.25	159	6.25	159	.75	19	1.31	.60	1.29	.59	50
1	25	3.53	90	3.53	90	2.38	60	6.44	164	6.63	168	1.00	25	2.36	1.07	2.35	1.07	40
1 1/4	32	4.61	117	4.63	118	3.00	76	6.75	171	7.19	183	1.25	32	3.11	1.41	3.18	1.44	20
1 1/2	40	5.32	135	5.32	135	3.16	80	9.06	230	9.69	246	1.50	38	4.82	2.18	5.07	2.30	10
2	50	5.93	151	5.93	151	3.50	89	9.25	235	10.06	256	2.00	51	6.59	2.99	6.34	2.87	8

Note: solder end is designed to be soft-soldered into lines using solders with the melting point not exceeding 500°F. Higher temperature solders will damage the seat material. See installation sheet packaged with valves.

\*For detailed operating pressure, refer to pressure temperature chart on page 42.

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