

# Bronze Valve Options and Accessories - Handles

**Matrix of Bronze Valve Handwheel Diameters**

Valve	T062142 PP 2½" Dia.	T062459 PP 2½" Dia.	T062143 PP 3¼" Dia.	T065573 PP 3¼" Dia.	T062144 PP 4½" Dia.	T065574 PP 4½" Dia.	T062145 PP 5¾" Dia.	T065575 PP 5¾" Dia.	T062146 PP 7" Dia.	Valve
111	1/4 - 3/8	1/2 - 3/4	1	1¼ - 1½		2 - 2½		3		GATE
113	1/4 - 3/8	1/2 - 3/4	1	1¼ - 1½		2 - 2½		3		
124	1/4 - 3/8	1/2	3/4 - 1	1¼	1½	2	2½	3		
131	1/4 - 3/8	1/2	3/4 - 1	1¼	1½	2	2½	3		
133	1/4 - 3/8	1/2	3/4 - 1	1¼	1½	2	2½	3		
134	1/4 - 3/8	1/2	3/4 - 1	1¼	1½	2	2½	3		
136	1/4 - 3/8	1/2	3/4 - 1	1¼	1½	2	2½	3		
154A	1/4 - 3/8	1/2	3/4 - 1	1¼	1½	2				
174A	1/4 - 3/8	1/2	3/4 - 1	1¼	1½	2				
174SS		1/2	3/4 - 1	1¼	1½	2				
176A	1/4 - 3/8	1/2	3/4 - 1	1¼	1½	2				
176SS		1/2	3/4 - 1	1¼	1½	2				
211	1/8 - 1/2	3/4	1 - 1¼		1½	2		2½ - 3		GLOBE
235	1/8 - 3/8	1/2	3/4	1	1¼	1½ - 2	2	2½	3	
256AP		1/4 - 1/2		3/4	1	1¼ - 1½	2	2½	3	
275B		1/8 - 3/8	1/2	3/4 - 1	1	1¼ - 1½	2	2½	3	
275Y		1/4 - 3/8	1/2	3/4 - 1		1¼ - 1½	2	2½	3	
276AP		1/4 - 3/8	1/2	3/4	1	1¼ - 1½	2	2½	3	
311	1/4 - 1/2	3/4	1 - 1¼			2		2½ - 3		ANGLE
335	1/8 - 3/8	1/2	3/4	1	1¼	1½ - 2			3	
375B		1/4 - 3/8	1/2	3/4	1	1¼ - 1½	2		3	
376AP		1/4 - 3/8	1/2	3/4	1	1¼ - 1½	2			

**Malleable Iron ASTM A47**

Available as standard for NIBCO® Bronze Gate and Globe Valves. Class 125, 150, 200, 300 lb. SWP Bronze Body Valves. ¼" thru Square Stem only.

**Malleable**



**Red Bronze 85-5-5-5% ASTM B62**

Available for some NIBCO® 125 lb. SWP Bronze Body Valves ¾" thru 3". Used where standard handwheel would be out of reach or hand space is restricted. Specify by adding (K) to Fig. No., i.e. T-000-K. For field replacement, specify valve type and size. Square Stem Only.

**Cross**



**Red Bronze 85-5-5-5% ASTM B62**

Available for some NIBCO® 125 lb. SWP Bronze Body Valves ¾" thru 2". Used where code requirements or personal preference dictate a bronze handwheel. Specify by adding (BHW) to Fig. No., i.e. T-000-BHW. For field replacement, specify valve type and size. Square Stem Only.

**Bronze**



**Red Bronze 85-5-5-5% ASTM B62**

Available for some NIBCO® 125 lb. SWP Bronze Body Valves. Used where standard handwheel would be out of reach or hand space is restricted. Square Stem only.

**Solid Tee**



**Red Bronze 85-5-5-5% ASTM B62 or ASTM B16**

Available for some NIBCO® 125 lb. SWP Bronze Body Valves thru 3". Use where valve might be subject to unauthorized use or tampering. Specify by adding (L) to Fig. No., i.e. T-000-L. For field replacement, specify valve type and size. Square Stem Only.

**Lockshield**



**Red Bronze 85-5-5-5% ASTM B62**

Available for some NIBCO® 125 lb. SWP Bronze Body Valves thru 3". Used as handle for lockshields. Specify – "Lockshield Key." For field replacement, specify valve type and size. Square Stem Only.

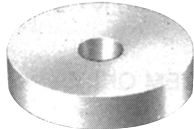
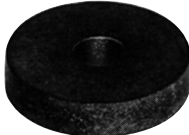

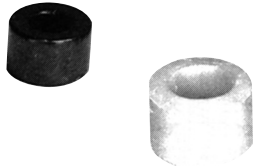
**Lockshield Key**



NIBCO INC. reserves the right to change materials, options and accessories without notice.

# Bronze Valve Options and Accessories

## Seating and Packing

<b>Seating Material</b>		
<p><b>Material:</b> PTFE</p> <p>Max. Pressure: 300 SWP/600 CWP</p> <p>Max. Temperature: -20°F to 400°F</p> <p>Service: Oxygen, steam, and all services where the media being handled is not corrosive to the metallic parts of the valve. Available for some NIBCO valves. Specify by adding (Y) to Fig. No., i.e. T-000-Y</p>		
<p><b>Material:</b> FKM</p> <p>Max. Pressure: 125 SWP/200 CWP</p> <p>Max. Temperature: -20°F to 300°F</p> <p>Service: Hydrocarbon service, mineral acids and salt solutions that are not corrosive to the metallic parts of the valve. Available for some NIBCO valves. Specify by adding (V) to Fig. No., i.e. T-000-V</p>		
<p><b>Material:</b> Buna-N (Nitrile)</p> <p>Max. Pressure: 200 CWP</p> <p>Max. Temperature: -40°F to 180°F</p> <p>Service: Water, Oil, Gas. Available for some NIBCO valves. Specify by adding (W) to Fig. No., i.e. T-000-W</p>		
<p><b>Material:</b> Bronze ASTM B 62</p> <p>Max. Pressure: 150 SWP/300 CWP</p> <p>Max. Temperature: 406°F</p> <p>Service: Provides good seating properties for clean moderate service. Should not be used for close throttling or for handling material containing abrasive or corrosive particles.</p>		
<p><b>Material:</b> Bronze ASTM B 61</p> <p>Max. Pressure: 300 SWP/600 CWP</p> <p>Max. Temperature: 550°F</p> <p>Service: Provides good seating properties for clean moderate service. Should not be used for close throttling or for handling material containing abrasive or corrosive particles.</p>		
<p><b>Material:</b> Nickel Alloy, Semi Plug Only</p> <p>Max. Pressure: 300 SWP/600 CWP</p> <p>Max. Temperature: 550°F</p> <p>Service: General service, nickel alloy material is durable and resists wear and the corrosive action of some dilute acids and alkalis. Available for 300 SWP Globe Valves.</p>		
<p><b>Material:</b> Hardened Stainless Steel, Full Plug Only</p> <p>Max. Pressure: 300 SWP/600 CWP</p> <p>Max. Temperature: 550°F</p> <p>Service: Recommended for close throttling and most all severe conditions, not to exceed the valve ratings. Available for 200 and 300 SWP Globe and Angle Valves.</p>		
<b>Packing Material</b>		
<p><b>Aramid Fibers with Graphite.</b></p> <p>Offered as standard on NIBCO Bronze Valves.</p>		
<p><b>Solid PTFE Packing</b></p> <p>Offered as a field retrofit option on NIBCO Bronze Valves. Consult factory for price and availability.</p>		

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# Bronze Valves Options and Accessories

## Drain Cap, Oxygen Service, Stem Extensions

### 1/8" Drain Cap

A fast and convenient means for draining sections of line between valves.

Specify by adding (D) to Fig. No., i.e. T-111-D.

(Applicable to figure numbers 111, 113 and 211 only.)



### Optional Squared Stem Extension

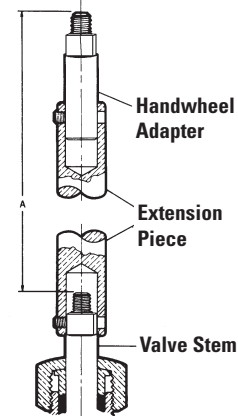
Available for all NIBCO® Bronze Valves.

Made from ASTM B371 62 Alloy C69400 (rod).

Used when valves must be operated from a distance.

Adequate and rigid support must be provided for long stem extension units.

Specify valve size, figure number and length to be added to existing stem length (dimension A). 3" minimum length, 18" maximum length.



### Oxygen Service; Bronze Gate, Globe and Check

The following valves are offered as oxygen cleaned and bagged. NIBCO figure number:

- S/T-134-X
- S/T-235-YX
- S/T-413-YX
- S/T-433-YX

Except for PTFE disc and packing, and identification tag, all parts are identical to standard valves. Valves are thoroughly cleaned and degreased and individually packed in sealed polyethylene bags.

Consult with factory on availability for other bronze valves to be oxygen cleaned.



### Silicone Lubricants in Nacogdoches, Texas, Plant

Below lists the two ways in which NIBCO® bronze gate, globe, check and ball valves are manufactured in our Nacogdoches plant:

#### 1. Standard valves:

All pressure rated bronze gate, globe, check and bronze ball valves are manufactured in Nacogdoches, Texas. Silicone is **NOT** used in this plant in the production of valves or assembly of any component parts of the above listed products.

#### 2. Valves can be cleaned for oxygen service:

- The steps involved are as follows:
- Clean ultrasonically all component parts with a degreaser in a warm water solution
- Rinse with warm water in an ultrasonic bath
- Rinse again in cold water
- Put all component parts under black light for inspection of any carbon. If carbon found, repeat steps above.
- Assemble and test valves
- Package the valves in a sealed plastic bag to avoid contamination

**NOTE:** Valves that are assembled and tested without silicone lubricants in this plant have a potential exposure to air-born silicone as well as during shipping after they leave the plant. Therefore, NIBCO cannot certify valves produced in the Nacogdoches plant to be 100% silicone free.