

BRASS PIPE

Description

This specification covers Brass Pipe used in piping applications as determined by Engineering as a function of what is being transported in the system, pressure ratings, temperature of material and line pressure.

Specifications

Brass Pipe provided by Merit Brass Co. shall conform to ASTM B43 (Standard Specification for Seamless Red Brass Pipe, Standard Sizes) produced from Copper Alloy C23000 (Red Brass). C23000 is a Copper/Zinc alloy; other elements, including Lead (0.05% Max.) and Iron (0.05% Max.), are not intentionally added to the alloy. These elements may be present, but will exist only as impurities. This product is suitable for above, or below ground, applications.



Size Range

- Regular: 1/8" – 6"
- Extra Strong: 1/8" – 3"

Lengths

- 12' and 20'

Project Information	Approval Stamp
Project Name:	Approved
Project Location:	Approved As Noted
Project Contractor:	Not Approved
Project Engineer:	Remarks:
Project Distributor:	
Project Rep:	
Submittal Date:	
Notes 1:	
Notes 2:	

Brass Pipe

Weight of Seamless Brass and Copper Pipe Regular Pipe Iron Pipe Sizes					
Pipe Size (in)	Dimensions (Inch)			Pounds per Linear Foot	
	O.D.	I.D.	Wall Thickness	Red Brass	Copper
1/8"	0.405	0.281	0.062	0.253	0.259
1/4"	0.540	0.376	0.082	0.447	0.457
3/8"	0.675	0.495	0.090	0.627	0.641
1/2"	0.840	0.626	0.107	0.934	0.955
3/4"	1.050	0.822	0.114	1.27	1.30
1"	1.315	1.063	0.126	1.78	1.82
1-1/4"	1.660	1.368	0.146	2.63	2.69
1-1/2"	1.900	1.600	0.150	3.13	3.20
2"	2.375	2.063	0.156	4.12	4.22
2-1/2"	2.875	2.501	0.187	5.99	6.12
3"	3.500	3.062	0.219	8.56	8.75
3-1/2"	4.000	3.500	0.250	11.2	11.4
4"	4.500	4.000	0.250	12.7	12.9
5"	5.563	5.063	0.250	15.8	16.2
6"	6.625	6.125	0.250	19.0	19.4

Red Brass 85% Allowable Pressure Pipe with Threaded Ends				
Standard Size (in)	Pounds Per Square (Inch)			
	@100°F	@200°F	@300°F	@400°F
1/8"	370	370	320	140
1/4"	870	870	760	330
3/8"	890	890	780	340
1/2"	900	900	790	340
3/4"	810	810	710	310
1"	630	630	560	240
1-1/4"	690	690	610	260
1-1/2"	630	630	560	240
2"	540	540	480	210
2-1/2"	450	450	390	170
3"	510	510	450	190
3-1/2"	570	570	500	220
4"	510	510	440	190
5"	410	410	360	160
6"	340	340	300	130

Weight of Seamless Brass and Copper Pipe Extra Strong Pipe					
Pipe Size (in)	Dimensions (Inch)			Pounds per Linear Foot	
	O.D.	I.D.	Wall Thickness	Red Brass	Copper
1/8"	0.405	0.205	0.100	0.363	0.371
1/4"	0.540	0.294	0.123	0.611	0.625
3/8"	0.675	0.421	0.127	0.829	0.847
1/2"	0.840	0.542	0.149	1.23	1.25
3/4"	1.050	0.736	0.157	1.67	1.71
1"	1.315	0.951	0.182	2.46	2.51
1-1/4"	1.660	1.272	0.194	3.39	0.346
1-1/2"	1.900	1.494	0.203	4.10	4.19
2"	2.375	1.933	0.221	5.67	5.80
2-1/2"	2.875	2.315	0.280	8.66	8.85
3"	3.500	2.892	0.304	11.6	11.8

Red Brass 85% Allowable Internal Pressure Extra Strong (XS) Pipe with Threaded Ends				
Standard Size (in)	Pounds Per Square (Inch)			
	@100°F	@200°F	@300°F	@400°F
1/8"	1960	1960	1710	740
1/4"	2210	2210	1930	830
3/8"	1840	1840	1610	690
1/2"	1760	1760	1540	660
3/4"	1510	1510	1320	570
1"	1340	1340	1180	510
1-1/4"	1160	1160	1020	440
1-1/2"	1090	1090	960	410
2"	1000	1000	870	380
2-1/2"	970	970	850	370
3"	910	910	790	340

⚠ WARNING: This product can expose you to 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.

Every precaution has been taken in preparing this submittal, however, Merit Brass Company cannot be held responsible for typographical errors or omissions. Some items not shown may be available upon request. Some items and sizes may be discontinued when stock is depleted and may require a minimum order quantity. Certain inventory limitations may apply. Please visit meritbrass.com. Priced on application (POA). Contact our Sales Team for details at sales@meritbrass.com. Please note, Merit furnishes red brass pipe conforming to ASTM B43, drawn general purpose temper (H58); unless otherwise noted. Light Annealed (061) temper is also available upon request.

LOCATIONS

SPARKS DISTRIBUTION CENTER

200 Vista Boulevard Suite #106
Sparks, NV 89434

LONG BEACH PIPE DEPOT

2396 E. Artesia Blvd
Long Beach, CA 90805

DALLAS DISTRIBUTION CENTER

10614 King William Drive
Dallas, TX 75220

CLEVELAND HEADQUARTERS

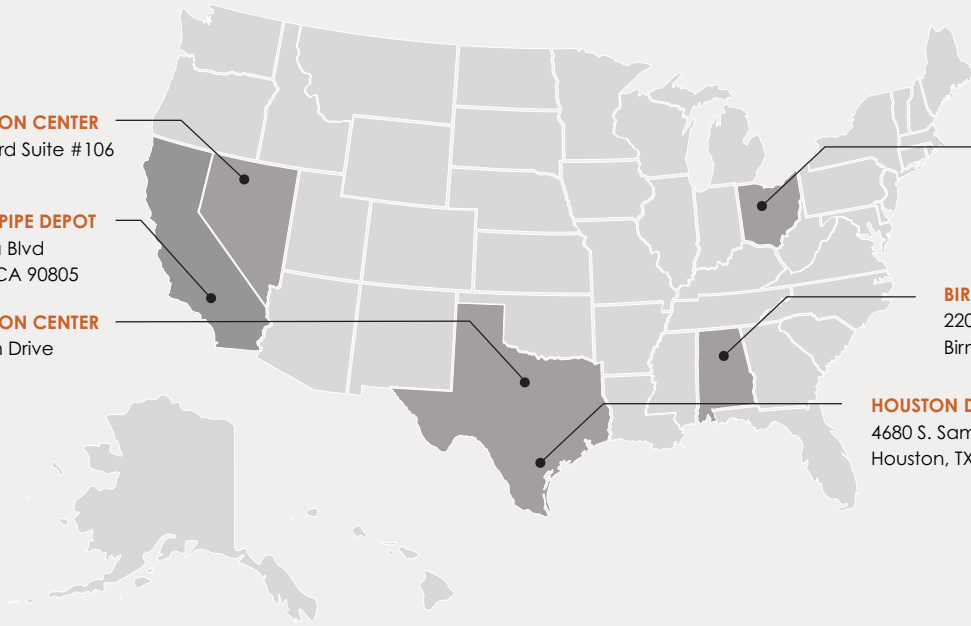
One Merit Drive/PO Box 43127
Cleveland, OH 44143

BIRMINGHAM DISTRIBUTION CENTER

220 Oxmoor Court
Birmingham, AL 35209

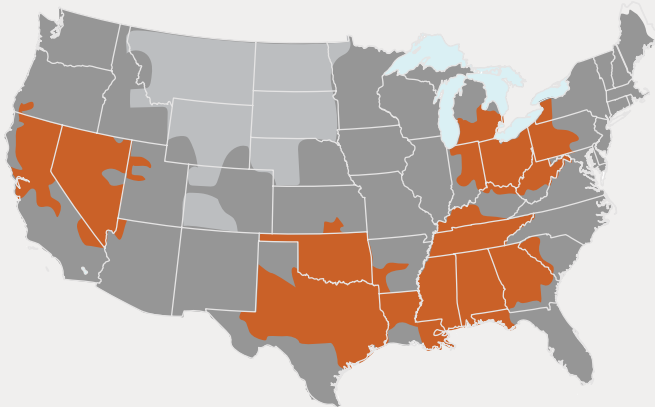
HOUSTON DISTRIBUTION CENTER

4680 S. Sam Houston Pkwy W, Suite 120
Houston, TX 77053



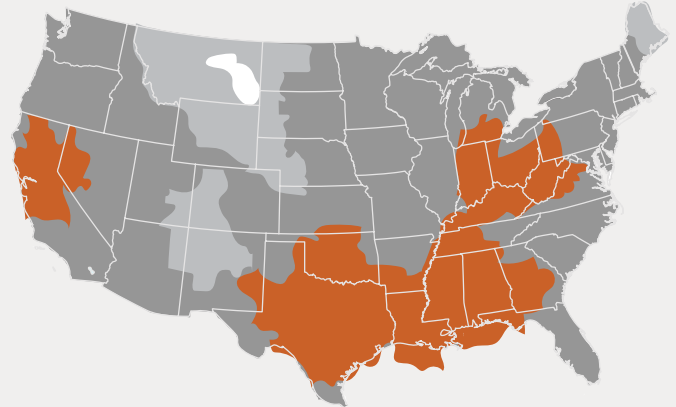
SHIPPING TIMES

UPS



1 Day 2 Days 3 Days

FEDEX



1 Day 2 Days 3 Days 4 Days

*FedEx is Merit's Primary Carrier

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