

BRASS PIPE NIPPLES

Description

This specification covers Brass Pipe Nipples 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 Nipples 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

- Close – 72"

Ends

- NPT 1/8" – 6"
- BSPT 1/8" – 1.25"



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:	

Every precaution has been taken in preparing this submittal, however, Merit Brass Company cannot be held responsible for typographical errors or omissions. For the Master Carton (Box) Quantity List, please visit meritbrass.com. 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. For list prices in Excel, download by please logging onto meritbrass.com. Contact our Sales Team for details at sales@meritbrass.com

Brass Pipe

Weight of Seamless Brass and Copper Pipe Regular Pipe Iron Pipe Sizes					
Pipe Size (in)	Dimensions (Inch)			Pounds per Lineal 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 Lineal 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. 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.

RED BRASS PIPE NIPPLES

Standard Domestic

Diameter Inches	Length Of Close	Close Part Number	Length In Inches															
			1½"	2"	2½"	3"	3½"	4"	4½"	5"	5½"	6"	7"	8"	9"	10"	11"	12"
1/8"	3/4"	2002-001	2002-150	2002-200	2002-250	2002-300	2002-350	2002-400	2002-450	2002-500	2002-550	2002-600	—	—	—	—	—	—
1/4"	7/8"	2004-001	2004-150	2004-200	2004-250	2004-300	2004-350	2004-400	2004-450	2004-500	2004-550	2004-600	2004-700	2004-800	2004-900	2004-1000	2004-1100	2004-1200
3/8"	1"	2006-001	2006-150	2006-200	2006-250	2006-300	2006-350	2006-400	2006-450	2006-500	2006-550	2006-600	2006-700	2006-800	—	2006-1000	—	2006-1200
1/2"	1-1/8"	2008-001	2008-150	2008-200	2008-250	2008-300	2008-350	2008-400	2008-450	2008-500	2008-550	2008-600	2008-700	2008-800	2008-900	2008-1000	2008-1100	2008-1200
3/4"	1-3/8"	2012-001	2012-150	2012-200	2012-250	2012-300	2012-350	2012-400	2012-450	2012-500	2012-550	2012-600	2012-700	2012-800	2012-900	2012-1000	2012-1100	2012-1200
1"	1-1/2"	2016-001	—	2016-200	2016-250	2016-300	2016-350	2016-400	2016-450	2016-500	2016-550	2016-600	2016-700	2016-800	2016-900	2016-1000	2016-1100	2016-1200
1-1/4"	1-5/8"	2020-001	2020-150	2020-200	2020-250	2020-300	2020-350	2020-400	2020-450	2020-500	2020-550	2020-600	2020-700	2020-800	2020-900	2020-1000	—	2020-1200
1-1/2"	1-3/4"	2024-001	—	2024-200	2024-250	2024-300	2024-350	2024-400	2024-450	2024-500	2024-550	2024-600	2024-700	2024-800	2024-900	2024-1000	—	2024-1200
2"	2"	2032-001	—	—	2032-250	2032-300	2032-350	2032-400	2032-450	2032-500	2032-550	2032-600	2032-700	2032-800	2032-900	2032-1000	—	2032-1200
2-1/2"	2-1/2"	2040-001	—	—	—	2040-300	2040-350	2040-400	2040-450	2040-500	2040-550	2040-600	—	2040-800	—	2040-1000	—	2040-1200
3"	2-5/8"	2048-001	—	—	—	2048-300	2048-350	2048-400	2048-450	2048-500	—	2048-600	—	2048-800	—	-	—	2048-1200

Standard Import

Diameter Inches	Length Of Close	Close Part Number	Length In Inches															
			1½"	2"	2½"	3"	3½"	4"	4½"	5"	5½"	6"	7"	8"	9"	10"	11"	12"
1/8"	3/4"	2102-001	2102-150	2102-200	2102-250	2102-300	2102-350	2102-400	2102-450	2102-500	2102-550	2102-600	—	—	—	—	—	—
1/4"	7/8"	2104-001	2104-150	2104-200	2104-250	2104-300	2104-350	2104-400	2104-450	2104-500	2104-550	2104-600	2104-700	2104-800	2104-900	2104-1000	2104-1100	2104-1200
3/8"	1"	2106-001	2106-150	2106-200	2106-250	2106-300	2106-350	2106-400	2106-450	2106-500	2106-550	2106-600	2106-700	2106-800	—	2106-1000	—	2106-1200
1/2"	1-1/8"	2108-001	2108-150	2108-200	2108-250	2108-300	2108-350	2108-400	2108-450	2108-500	2108-550	2108-600	2108-700	2108-800	2108-900	2108-1000	2108-1100	2108-1200
3/4"	1-3/8"	2112-001	2112-150	2112-200	2112-250	2112-300	2112-350	2112-400	2112-450	2112-500	2112-550	2112-600	2112-700	2112-800	2112-900	2112-1000	2112-1100	2112-1200
1"	1-1/2"	2116-001	—	2116-200	2116-250	2116-300	2116-350	2116-400	2116-450	2116-500	2116-550	2116-600	2116-700	2116-800	2116-900	2116-1000	2116-1100	2116-1200
1-1/4"	1-5/8"	2120-001	2120-150	2120-200	2120-250	2120-300	2120-350	2120-400	2120-450	2120-500	2120-550	2120-600	2120-700	2120-800	2120-900	2120-1000	—	2120-1200
1-1/2"	1-3/4"	2124-001	—	2124-200	2124-250	2124-300	2124-350	2124-400	2124-450	2124-500	2124-550	2124-600	2124-700	2124-800	2124-900	2124-1000	—	2124-1200
2"	2"	2132-001	—	—	2132-250	2132-300	2132-350	2132-400	2132-450	2132-500	2132-550	2132-600	2132-700	2132-800	2132-900	2132-1000	—	2132-1200
2-1/2"	2-1/2"	2140-001	—	—	—	2140-300	2140-350	2140-400	2140-450	2140-500	2140-550	2140-600	—	2140-800	—	2140-1000	—	2140-1200
3"	2-5/8"	2148-001	—	—	—	2148-300	2148-350	2148-400	2148-450	2148-500	—	2148-600	—	2148-800	—	—	—	2148-1200

Extra Heavy

Diameter Inches	Length Of Close	Close Part Number	Length In Inches															
			1½"	2"	2½"	3"	3½"	4"	4½"	5"	5½"	6"	7"	8"	9"	10"	11"	12"
1/8"	3/4"	2202-001	2202-150	2202-200	2202-250	2202-300	2202-350	2202-400	2202-450	2202-500	2202-550	2202-600	2202-700	2202-800	—	2202-1000	—	2202-1200
1/4"	7/8"	2204-001	2204-150	2204-200	2204-250	2204-300	2204-350	2204-400	2204-450	2204-500	2204-550	2204-600	—	2204-800	2204-900	2204-1000	—	2204-1200
3/8"	1"	2206-001	2206-150	2206-200	2206-250	2206-300	2206-350	2206-400	2206-450	2206-500	2206-550	2206-600	2206-700	2206-800	—	—	—	—
1/2"	1-1/8"	2208-001	2208-150	2208-200	2208-250	2208-300	2208-350	2208-400	2208-450	2208-500	2208-550	2208-600	2208-700	2208-800	—	2208-1000	—	2208-1200
3/4"	1-3/8"	2212-001	2212-150	2212-200	2212-250	2212-300	2212-350	2212-400	2212-450	2212-500	2212-550	2212-600	2212-700	2212-800	—	2212-1000	—	—
1"	1-1/2"	2216-001	—	2216-200	2216-250	2216-300	2216-350	2216-400	2216-450	2216-500	2216-550	2216-600	2216-700	2216-800	—	2216-1000	2216-1100	2216-1200
1-1/4"	1-5/8"	2220-001	—	2220-200	2220-250	2220-300	2220-350	2220-400	2220-450	2220-500	2220-550	2220-600	—	2220-800	2220-900	2220-1000	—	—
1-1/2"	1-3/4"	2224-001	—	2224-200	2224-250	2224-300	2224-350	2224-400	2224-450	2224-500	2224-550	2224-600	2224-700	2224-800	—	2224-1000	—	2224-1200
2"	2"	2232-001	—	—	2232-250	2232-300	2232-350	2232-400	2232-450	2232-500	2232-550	2232-600	—	2232-800	—	2232-1000	2232-1100	2232-1200
2-1/2"	2-1/2"	2240-001	—	—	—	2240-300	2240-350	2240-400	2240-450	2240-500	2240-550	2240-600	—	—	—	—	—	—
3"	2-5/8"	2248-001	—	—	—	2248-300	2248-350	2248-400	—	2248-500	—	2248-600	—	—	—	—	—	—

[illegible]

LOCATIONS

SPARKS DISTRIBUTION CENTER
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DALLAS DISTRIBUTION CENTER
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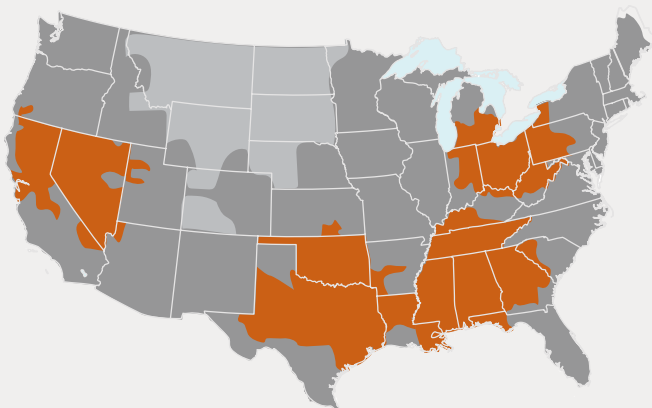
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BIRMINGHAM DISTRIBUTION CENTER
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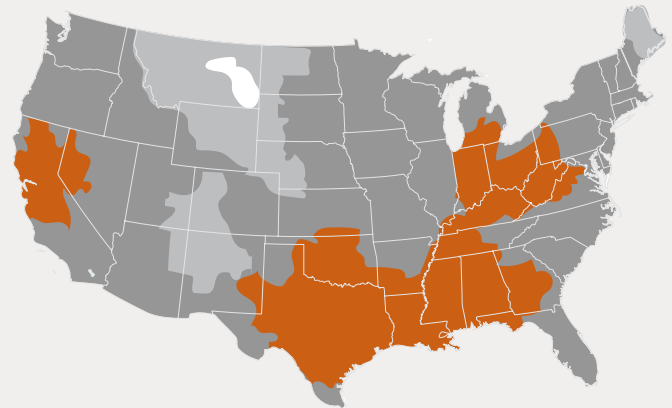
SHIPPING TIMES

UPS



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*FedEx is Merit's Primary Carrier

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