



Brass & Bronze Pipe & Pipe Nipples, Schedule 40, 80 & Instrumentation

Fully Threaded Low-Lead Pipe is precision machined for leak-free connections between pipe and fittings.

Brass is strong, highly conductive, maintains machineability at high temperatures, and resists corrosion from water, heat, acids, minerals, and peaty soils. It's compatible with stainless steel, copper, or zinc piping. **Bronze** is a metal alloy of copper and tin and resists corrosion from saltwater and has higher heat and electric conductivity than most metals. Pipe and nipples connect with pipe fittings to transport air, drinking water, flammable gases, slurries, and chemicals in plumbing applications for residential and commercial buildings. Threaded connections use PTFE tape to secure seal.

SCHEDULE 40: Low-pressure (100-299 psi). Schedule 40 pipe and nipples have thicker walls than Schedule 10, but not as thick as Schedule 80. Low-lead items are rated for use with drinking water.



Unthreaded Low Pressure Pipe



Fully Threaded Nipple



Threaded on Both Ends Nipple



Instrumentation Threaded on Both Ends Nipple

Nominal Pipe Size	Maximum Operating Temperature	12" Item No.	3-ft Item No.	6-ft Item No.
Schedule 40 Brass Unthreaded Low Pressure Pipe				
1/8"	400 °F	4GRU5	4GRV5	4GRW5
1/4"	400 °F	4GRU6	—	4GRW6
3/8"	400 °F	4GRU7	4GRV7	4GRW7
1/2"	400 °F	4GRU8	—	4GRW8
3/4"	400 °F	—	—	4GRW9
1"	400 °F	4GRV1	4GRW1	4GRX1
1 1/4"	400 °F	—	4GRW2	4GRX2
1 1/2"	400 °F	4GRV3	4GRW3	4GRX3
2"	400 °F	—	4GRW4	4GRX4

Nominal Pipe Size	Overall Length	Connection Type	Maximum Steam Pressure	Maximum Operating Pressure	Maximum Operating Temperature	Item No.
Schedule 40 Low-Lead Brass Fully Threaded Nipples						
1/8"	1 1/2"	MNPT	1200 psi	1000 psi @ 200°F	250 °F	46M479
1/4"	1 1/2"	MNPT	1200 psi	1000 psi @ 200°F	250 °F	46M478
1/4"	1 1/2"	MNPT	1200 psi	1000 psi @ 200°F	250 °F	46M474
3/8"	2"	MNPT	1200 psi	1000 psi @ 200°F	250 °F	46M473
1/2"	2 1/2"	MNPT	1200 psi	1000 psi @ 200°F	250 °F	46M477
3/4"	3 1/4"	MNPT	1200 psi	1000 psi @ 200°F	250 °F	46M476
1"	4"	MNPT	1200 psi	1000 psi @ 200°F	250 °F	46M475

Nominal Pipe Size	Overall Length	Connection Type	Maximum Steam Pressure	Maximum Operating Pressure	Maximum Operating Temperature	Item No.
Schedule 40 Bronze Fully Threaded Low Pressure Nipples						
1/8"	3/4"	MBSPT x MNPT	373 psi @ 450°F	373 psi @ 450°F	400 °F	4TJK4
1/4"	3/4"	MNPT	373 psi @ 450°F	373 psi @ 450°F	400 °F	1VG63
1/4"	7/8"	MNPT	282 psi @ 450°F	201 psi @ 450°F	400 °F	1VGJ3
3/8"	1"	MNPT	276 psi @ 450°F	276 psi @ 450°F	400 °F	1VGL3
1/2"	1 1/4"	MNPT	267 psi @ 450°F	267 psi @ 450°F	400 °F	1VGP3
3/4"	1 1/2"	MBSPT x MNPT	953 psi @ 300°F	240 psi @ 450°F	400 °F	4TJK8
3/4"	1 1/4"	MNPT	953 psi @ 300°F	240 psi @ 450°F	400 °F	1VGT3
3"	25 1/2"	MNPT	576 psi @ 300°F	144 psi @ 450°F	400 °F	1VHD8
4"	27 1/2"	MNPT	561 psi @ 300°F	140 psi @ 450°F	400 °F	1VHE4

Item	Overall Length	Maximum Steam Pressure	Max. Operating Pressure	Max. Operating Temp.	Brand	Item No.	Pkg. Qty.
Schedule 40 Bronze Threaded on Both Ends Pipe & Nipples, MNPT Connection							
1/2" Nominal Pipe Size							
Nipple	1 1/2"	373 psi @ 450°F	373 psi @ 450°F	400 °F	—	1VGG5	1
	2"	373 psi @ 450°F	373 psi @ 450°F	400 °F	—	1VGG7	1
	2 1/2"	373 psi @ 450°F	373 psi @ 450°F	400 °F	—	1VGG9	1
	3"	373 psi @ 450°F	373 psi @ 450°F	400 °F	—	1VGH2	1
	3 1/2"	373 psi @ 450°F	373 psi @ 450°F	400 °F	—	1VGH4	1
	4"	373 psi @ 450°F	373 psi @ 450°F	400 °F	—	1VGH6	1
	5"	—	—	400 °F	—	1VGH8	1
	6"	373 psi @ 450°F	373 psi @ 450°F	400 °F	—	1VGH1	1
	6 1/2"	373 psi @ 450°F	373 psi @ 450°F	400 °F	—	4GRX5	1
	7"	125 psi @ 150°F	200 psi @ 150°F	400 °F	—	4GRY8	1
Pipe	8"	373 psi @ 450°F	373 psi @ 450°F	400 °F	—	4GTA2	1
	9"	373 psi @ 450°F	373 psi @ 450°F	400 °F	—	4GTC5	1
	10"	373 psi @ 450°F	373 psi @ 450°F	400 °F	—	4GTD8	1
	11"	373 psi @ 450°F	373 psi @ 450°F	400 °F	—	4GTF2	1
	12"	373 psi @ 450°F	373 psi @ 450°F	400 °F	—	4GTF5	1
	18"	373 psi @ 450°F	373 psi @ 450°F	400 °F	—	4GTH8	1
	2-ft	373 psi @ 450°F	373 psi @ 450°F	400 °F	—	4GTJ9	1
	3-ft	373 psi @ 450°F	373 psi @ 450°F	400 °F	—	4GTL1	1
	4-ft	373 psi @ 450°F	373 psi @ 450°F	400 °F	—	4GTL2	1
	6-ft	373 psi @ 450°F	373 psi @ 450°F	400 °F	—	4GTR4	1

Item	Overall Length	Maximum Steam Pressure	Max. Operating Pressure	Max. Operating Temp.	Brand	Item No.	Pkg. Qty.
3/4" Nominal Pipe Size							
Nipple	1 1/2"	282 psi @ 450°F	201 psi @ 450°F	400 °F	—	1VGG5	1
	2"	282 psi @ 450°F	201 psi @ 450°F	400 °F	—	1VGG7	1
	2 1/2"	282 psi @ 450°F	201 psi @ 450°F	400 °F	—	1VGG9	1
	3"	282 psi @ 450°F	201 psi @ 450°F	400 °F	—	1VGH2	1
	3 1/2"	282 psi @ 450°F	201 psi @ 450°F	400 °F	—	1VGH4	1
	4"	282 psi @ 450°F	201 psi @ 450°F	400 °F	—	1VGH6	1
	5"	282 psi @ 450°F	201 psi @ 450°F	400 °F	—	1VGH8	1
	6"	282 psi @ 450°F	201 psi @ 450°F	400 °F	—	1VGH1	1
	6 1/2"	282 psi @ 450°F	201 psi @ 450°F	400 °F	—	4GRX6	1
	7"	282 psi @ 450°F	201 psi @ 450°F	400 °F	—	4GRY9	1
Pipe	8"	282 psi @ 450°F	201 psi @ 450°F	400 °F	—	4GTA3	1
	9"	282 psi @ 450°F	201 psi @ 450°F	400 °F	—	4GTC6	1
	10"	282 psi @ 450°F	201 psi @ 450°F	400 °F	—	4GTD9	1
	11"	125 psi @ 150°F	200 psi @ 150°F	400 °F	—	4GTF3	1
	12"	282 psi @ 450°F	201 psi @ 450°F	400 °F	—	4GTF6	1
	18"	282 psi @ 450°F	201 psi @ 450°F	400 °F	—	4GTH9	1
	2-ft	282 psi @ 450°F	201 psi @ 450°F	400 °F	—	4GTK1	1
	3-ft	282 psi @ 450°F	201 psi @ 450°F	400 °F	—	4GTL2	1
	4-ft	282 psi @ 450°F	201 psi @ 450°F	400 °F	—	4GTL3	1
	6-ft	282 psi @ 450°F	201 psi @ 450°F	400 °F	—	4GTR5	1

Item	Overall Length	Maximum Steam Pressure	Max. Operating Pressure	Max. Operating Temp.	Brand	Item No.	Pkg. Qty.
1/2" Nominal Pipe Size							
Nipple	1 1/2"	276 psi @ 450°F	276 psi @ 450°F	400 °F	—	1VGL5	1
	2"	276 psi @ 450°F	276 psi @ 450°F	400 °F	—	1VGL7	1
	2 1/2"	276 psi @ 450°F	276 psi @ 450°F	400 °F	—	1VGL9	1
	3"	276 psi @ 450°F	276 psi @ 450°F	400 °F	—	1VGN2	1
	3 1/2"	276 psi @ 450°F	276 psi @ 450°F	400 °F	—	1VGN4	1
	4"	276 psi @ 450°F	276 psi @ 450°F	400 °F	—	1VGN6	1
	5"	276 psi @ 450°F	276 psi @ 450°F	400 °F	—	1VGN8	1
	6"	276 psi @ 450°F	276 psi @ 450°F	400 °F	—	1VGP1	1
	7"	276 psi @ 450°F	276 psi @ 450°F	400 °F	—	4GRZ1	1
	8"	276 psi @ 450°F	276 psi @ 450°F	400 °F	—	4GTA4	1
Pipe	9"	125 psi @ 150°F	200 psi @ 150°F	400 °F	—	4GTC7	1
	10"	276 psi @ 450°F	276 psi @ 450°F	400 °F	—	4GTE1	1
	12"	276 psi @ 450°F	276 psi @ 450°F	400 °F	—	4GTF7	1
	18"	276 psi @ 450°F	276 psi @ 450°F	400 °F	—	4GTJ1	1
	2-ft	276 psi @ 450°F	276 psi @ 450°F	400 °F	—	4GK2	1
	3-ft	276 psi @ 450°F	276 psi @ 450°F	400 °F	—	4GL3	1
	6-ft	276 psi @ 450°F	276 psi @ 450°F	400 °F	—	4GTR6	1

Item	Overall Length	Maximum Steam Pressure	Max. Operating Pressure	Max. Operating Temp.	Brand	Item No.	Pkg. Qty.
3/4" Nominal Pipe Size							
Nipple	1 1/2"	267 psi @ 450°F	267 psi @ 450°F	400 °F	—	1VGP5	1
	2"	267 psi @ 450°F	267 psi @ 450°F	400 °F	—	1VGP7	1
	2 1/2"	267 psi @ 450°F	267 psi @ 450°F	400 °F	—	1VGP9	1
	3"	267 psi @ 450°F	267 psi @ 450°F	400 °F	—	1VGR2	1
	3 1/2"	267 psi @ 450°F	267 psi @ 450°F	400 °F	—	1VGR4	1
	4"	267 psi @ 450°F	267 psi @ 450°F	400 °F	—	1VGR6	1
	5"	267 psi @ 450°F	267 psi @ 450°F	400 °F	—	1VGR8	1
	6"	267 psi @ 450°F	267 psi @ 450°F	400 °F	—	1VGT1	1
	6 1/2"	267 psi @ 450°F	267 psi @ 450°F	400 °F	—	4GRX8	1
	7"	267 psi @ 450°F	267 psi @ 450°F	400 °F	—	4GRZ2	1
Pipe	8"	267 psi @ 450°F	267 psi @ 450°F	400 °F	—	4GTA5	1
	9"	267 psi @ 450°F	267 psi @ 450°F	400 °F	—	4GTC8	1
	10"	267 psi @ 450°F	267 psi @ 450°F	400 °F	—	4GTE2	1
	11"	125 psi @ 150°F	200 psi @ 150°F	400 °F	—	4GTF5	1
	12"	267 psi @ 450°F	267 psi @ 450°F	400 °F	—	4GTF8	1
	18"	267 psi @ 450°F	267 psi @ 450°F	400 °F	—	4GTJ2	1
	2-ft	267 psi @ 450°F	267 psi @ 450°F	400 °F	—	4GK3	1
	3-ft	267 psi @ 450°F	267 psi @ 450°F	400 °F	—	4GL4	1
	6-ft	267 psi @ 450°F	267 psi @ 450°F	400 °F	—	4GTR5	1

Item	Overall Length	Maximum Steam Pressure	Max. Operating Pressure	Max. Operating Temp.	Brand	Item No.	Pkg. Qty.
1" Nominal Pipe Size							
Nipple	1 1/2"	755 psi @ 300°F	190 psi @ 450°F	400 °F	—	1VGV3	1
	2"	755 psi @ 300°F	190 psi @ 450°F	400 °F	—	1VGV5	1
	2 1/2"	755 psi @ 300°F	190 psi @ 450°F	400 °F	—	1VGV7	1
	3"	755 psi @ 300°F	190 psi @ 450°F	400 °F	—	1VGV9	1
	3 1/2"	755 psi @ 300°F	190 psi @ 450°F	400 °F	—	1VW2	1
	4"	755 psi @ 300°F	190 psi @ 450°F	400 °F	—	1VW4	1
	5"	755 psi @ 300°F	190 psi @ 450°F	400 °F	—	1VW6	1
	6"	755 psi @ 300°F	190 psi @ 450°F	400 °F	—	1VW8	1
	6 1/2"	755 psi @ 300°F	190 psi @ 450°F	400 °F	—	4GRY1	1
	7"	755 psi @ 300°F	190 psi @ 450°F	400 °F	—	4GRZ4	1
Pipe	8"	755 psi @ 300°F	190 psi @ 450°F	400 °F	—	4GTA7	1
	9"	755 psi @ 300°F	190 psi @ 450°F	400 °F	—	4GTD1	1
	10"	755 psi @ 300°F	190 psi @ 450°F	400 °F	—	4GTE4	1
	11"	755 psi @ 300°F	190 psi @ 450°F	400 °F	—	4GTF7	1
	12"	755 psi @ 300°F	190 psi @ 450°F	400 °F	—	4GTH1	1
	18"	755 psi @ 300°F	190 psi @ 450°F	400 °F	—	4GTJ4	1
	2-ft	755 psi @ 300°F	190 psi @ 450°F	400 °F	—	4GK5	1
	3-ft	755 psi @ 300°F	190 psi @ 450°F	400 °F	—	4GL6	1
	6-ft	755 psi @ 300°F	190 psi @ 450°F	400 °F	—	4GTR9	1

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