

MALLEABLE THREADED FITTINGS

Standard Class 150 Specifications:

ANSI B1.20.1, Threads, B16.3, Dimensions, Pressure Rating.

ASTM A 197, Material, A 153 Galvanizing.

Federal Spec WWP 521

Pressure Ratings: 150 psi- Saturated System

300 psi- At 150 degrees W.O.G.

U.L. Listed Where Applicable

Extra Heavy Class 300 Specifications:

ANSI B1.20.1, Threads, B16.3, Dimensions, Pressure Rating.

ASTM A197, Material, A153 Galvanizing

Pressure Ratings: 300 psi-Saturated Steam

1/4"-1"-- 2000 psi- At 150 Degrees W.O.G.

1 1/4"-2"--1500 psi- At 150 Degrees W.O.G.

2 1/2"-3"--1000 psi- At 150 Degrees W.O.G.

U.L. Listed Where Applicable

Union Specifications: (Brass to Brass, Brass to Iron, Iron to Iron, Gasket Type, Dielectric Iron to Brass)

ANSI B.1.20.1, Threads, B16.39, Dimensions, Pressure Rating.

ASTM A197, Material, A153, Galvanizing.

Federal Spec WW-U-531

Pressure Ratings: Class 150- 150 psi--Saturated Steam

300 psi- At 150 Degrees W.O.G.

Class 250- 250 psi- Saturated Steam

500 psi- At 150 Degrees W.O.G.

Class 300- 300 psi-Saturated Steam

600 psi- At 150 Degrees W.O.G.

U.L. Listed Where Applicable

CAST IRON FITTINGS

Standard Class 125 Specifications:

ANSI B.1.20.1, Threads, B16.4, Dimensions, Pressure Rating.

ASTM A126, Material, A153, Galvanizing.

Pressure Ratings: 125 psi- Saturated Steam

300 psi-At 150 degrees W.O.G.

Federal Spec: WW-P-501

U.L. Listed Where Applicable

Plug and Bushing Specifications:

ANSI B.1.20.1, Threads, B16.14, Dimensions, Pressure Rating.

ASTM A197(Malleable), A126 (Cast) A153 Galvanizing.

Pressure Rating (Mall): 125 psi-Saturated Steam

Federal Spec: WW-P-471

300 psi- At 150 degrees W.O.G.

U.L. Listed Where Applicable

Pressure Rating (Cast):125 psi-Saturated Steam

175 psi- At 150 Degrees W.O.G.

Drainage Fitting Specifications:

ANSI B1.20.1, Threads B 16.12, Dimensions.

ASTM A126, Material A153, Galvanizing.

Federal Spec: WW-P-941

Cast-Iron Flange Specifications:

ANSI B.1.20.1, Threads, B16.1, Dimensions, Pressure Rating.

ASTM A126, Material A153, Galvanizing.

Pressure Ratings: 125 psi- Saturated Steam

175 psi- At 150 degrees W.O.G.

Federal Spec: WW-F-406

U.L. Listed Where Applicable

Cast-Iron Flanged Fitting Specifications:

ANSI b16.1, Dimensions, Pressure Ratings.

ASTM A126 Class B Material.

Pressure Ratings: 125 psi- Saturated Steam

175 psi-At 150 degrees W.O.G.

Federal Spec: WW-F-406

U.L. Listed Where Applicable

**Malleable, Cast Iron, Forged Steel, and
Nipple standards & specifications**

Standards & Specifications

	Dimensions	Material	Galvanizing	Thread	Pressure Rating	Federal/ Other
M.I. Fittings						
Class 150	ANSI B16.3	ASTM A-197	ASTM A-153	ANSI B.1.20.1 +	ANSI B16.3	WW-P-521
Class 300	ANSI B16.3	ASTM A-197	ASTM A-153	ANSI B.1.20.1 +		WW-P-521
M.I. Unions						
Class 150	ANSI B16.39	ASTM A-197	ASTM A-153	ANSI B.1.20.1 +	ANSI B16.39	WW-U-531
Class 250	ANSI B16.39	ASTM A-197	ASTM A-153	ANSI B.1.20.1 +		WW-U-531
Class 300	ANSI B16.39	ASTM A-197	ASTM A-153	ANSI B.1.20.1 +		WW-U-531
Cast-Iron Threaded Fittings						
Class 125	ANSI B16.4	ASTM A-126(A)	ASTM A-153	ANSI B.1.20.1 +	ANSI B16.4	WW-P-501
Class 250	ANSI B16.4	ASTM A-126(A)	ASTM A-153	ANSI B.1.20.1 +		WW-P-501
C.I. Plugs & Bushings						
	ANSI B16.14	ASTM A-126(A)	ASTM A-153	ANSI B.1.20.1 +	*	WW-P-471
C.I. Drainage Threaded Fittings						
	ANSI B16.12	ASTM A-126(A)	ASTM A-153	ANSI B.1.20.1 +	*	WW-P-491
C.I. Flanges and Flanged Fittings						
Class 125 (1"-12")	ANSI B16.1	ASTM A-126 (AorB)	ASTM A-153	ANSI B.1.20.1 +	ANSI B16.1	WW-F-406
Class 125 (14"-up)	ANSI B16.1	ASTM A-126 (B)	ASTM A-153	ANSI B.1.20.1 +		WW-F-406
Class 250 (1"-12")	ANSI B16.1	ASTM A-126 (AorB)	ASTM A-153	ANSI B.1.20.1 +		WW-F-406
Class 250 (14"-up)	ANSI B16.1	ASTM A-126 (B)	ASTM A-153	ANSI B.1.20.1 +		WW-F-406

Forged Steel Threaded Fittings

Class 2000,3000,6000

ANSI B16.11

ASTM A105

ANSI B.1.20.1 + ANSI B16.11

A182

A350

Pipe Nipples
Steel Pipe

ASTM A 733

ANSI B.1.20.1 + *

WW-N-351**

Welded

ASTM A 53 Type F

Welded

ASTM A 120

Seamless

ASTM A 53 Gr. B. Type S

Seamless (High Temp.)

ASTM A 106 Gr. B

Brass

ASTM B 43

*The Standard

**Compliance with Dimensions and Material Only

"+" ANSI B1.20.1 was ANSI B2.1

Steel Pipe Nipples Specifications

MATERIALS:

Manufactured in accordance with ASTM Standard Specification A 733- Welded and Seamless carbon steel and ausenitic stainless steel pipe nipples.

Paragraph 1.1.1 welded carbon steel nipples and 1.1.2 seamless carbon steel nipples.

FINISHES:

Anvil steel nipples are available in black, electro galvanized or hot-dipped galvanized finishes. Please specify finish required when ordering.

THREADS:

Anvil pipe nipples are threaded on both ends with standard tapered pipe threads conforming to the American Standard for Pipe Threads A.N.S.I. B1.20.1. Threads are right hand on each end unless otherwise specified. Left hand threads or plain ends or combinations are available.

SPECIAL LENGTHS:

Anvil can supply special lengths, special threading and special finishes to order.

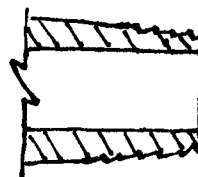
LENGTH:

Nipples with lengths up through 12 in. long have a length toleranceof +/- 1/10 in. Nipples over 12 in. long have a tolerance of +/- 1/8.

IDENTIFICATION:

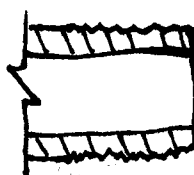
Where possible, each Anvil seamless pipe nipple is identified with: The anvil trademark, Seamless designation "SMLS", Pipe schdule STD, XS, SCH160

END FINISHES



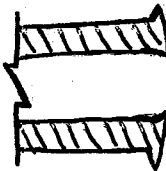
Tapered Pipe Thread
(NPT)

Furnished unless special finish is requested.

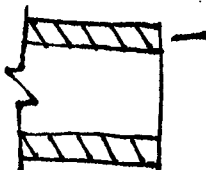


Straight Pipe Thread

Roller Cut
Furnished when specified on order.
(Not deburred.)



Reamed & Chamfered
Ends sq. cut and bevelled on O.D. at 35* +/- 10* to axis. Inside burrs removed.



Square Cut
Ends square cut to central axis- all burrs removed.

and XXS. Material Designation A106 B

