

CAST IRON DRAINAGE FITTINGS



FIGURE 731*
90° Reducing Long Turn Y-Branch Tee Pattern

Technical drawing showing dimensions for the 90° Reducing Long Turn Y-Branch Tee Pattern. The drawing includes a side view of the fitting and a front view with dimensions: A (height), B (width), D (depth), and Pitch.

Size	A	B	D	Unit Weight					
				Black	Galv.				
NPS 2 x 2 x 1 1/2	DN 50 x 50 x 40	in 5 3/4	mm 146	in 4 3/8	mm 111	in 4 7/16	mm 113	lbs 5.23	kg 2.37

FIGURE 734
45° Y-Branch

Technical drawing showing dimensions for the 45° Y-Branch. The drawing includes a side view of the fitting and a front view with dimensions: A, B, and C.

Size	A	B	C	Unit Weight							
				Black	Galv.						
NPS 1 1/2	DN 40	in 5 1/2	mm 140	in 3 5/8	mm 92	in 1 7/8	mm 48	lbs 4.03	kg 1.83	lbs 4.03	kg 1.83
2	50	6 1/2	165	4 3/8	111	2 1/8	54	5.56	2.52	5.56	2.52
3	80	9	229	6 3/16	157	2 13/16	71	12.00	5.44	12.00	5.44
4	100	10 7/8	276	7 11/16	195	3 3/16	81	24.51	11.12	24.51	11.12

FIGURE 735
45° Reducing Y-Branch

Technical drawing showing dimensions for the 45° Reducing Y-Branch. The drawing includes a side view of the fitting and a front view with dimensions: A, C, and B.

Size	A	B	C	Unit Weight							
				Black	Galv.						
NPS 2 x 2 x 1 1/2	DN 50 x 50 x 40	in 5 7/8	mm 149	in 4 1/8	mm 105	in 4 1/16	mm 103	lbs 4.83	kg 2.19	lbs 4.83	kg 2.19
4 x 4 x 3	100 x 100 x 80	9 1/4	235	7 3/16	183	6 7/8	175	20.63	9.36	—	—

*Inlets tapped, pitched .25" (6mm) to the foot. Inlets of reducing fittings are always the smallest openings.

Note: See following page for pressure-temperature ratings.

PROJECT INFORMATION

APPROVAL STAMP

Project:

Approved

Address:

Approved as noted

Contractor:

Not approved

Engineer:

Remarks:

Submittal Date:

Notes 1:

Notes 2:



Anvil drainage fittings have sufficient sweep to allow free unobstructed flow. They are made with a shoulder of the same diameter as the inside of the pipe, in accordance with ASME B16.12, Type 1. Thus, continuous passage is created when the pipe is screwed to the shoulder, leaving no place for solid matter to collect and clog in the pipe.

Coated drainage fittings are available upon special order request with hot dip galvanized finish (see listed sizes).

Drainage fittings with 90° bends are normally provided tapped with pitch of $\frac{1}{4}$ inch to the foot in accordance with ASME B16.12.

NOTE: UNPITCHED 90° fittings are POA only.

Standards and Specifications				
Dimensions	Material	Galvanizing***	Thread	Pressure Rating
CAST IRON DRAINAGE THREADED FITTINGS				
ASME B16.12, Type 1 •	ASTM A-126 (A)	ASTM A-153	ASME B1.20.1+	ASME B16.12•

• an American National standard (ANSI), + ASME B1.20.1 was ANSI B2.1

*** ASTM B 633. Type I, SC 4, may be supplied as alternate zinc coating per applicable ASME B16 product standard.

General Assembly of Threaded Fittings

- 1) Inspect both male and female components prior to assembly.
 - Threads should be free from mechanical damage, dirt, chips and excess cutting oil.
 - Clean or replace components as necessary.
- 2) Application of thread sealant
 - Use a thread sealant that is fast drying, sets-up to a semi hard condition and is vibration resistant. Alternately, an anaerobic sealant may be utilized.
 - Thoroughly mix the thread sealant prior to application.
 - Apply a thick even coat to the male threads only. Best application is achieved with a brush stiff enough to force sealant down to the root of the threads.
- 3) Joint Makeup
 - For sizes up to and including 2" pipe, wrench tight makeup is considered three full turns past handtight. Handtight engagement for $\frac{1}{2}$ " through 2" thread varies from $4\frac{1}{2}$ turns to 5 turns.
 - For $2\frac{1}{2}$ " through 4" sizes, wrench tight makeup is considered two full turns past handtight. Handtight engagement for $2\frac{1}{2}$ " through 4" thread varies from $5\frac{1}{2}$ turns to $6\frac{3}{4}$ turns.