

CAST IRON DRAINAGE FITTINGS



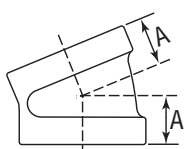
 FIGURE 707 22 1/2° Elbow	Size		A		Unit Weight			
					Black		Galv.	
	NPS	DN	in	mm	lbs	kg	lbs	kg
 	1 1/2	40	1 1/4	32	1.65	0.75	1.65	0.75
	2	50	1 7/16	37	3.08	1.40	3.08	1.40

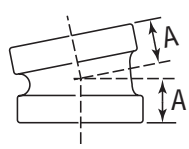
 FIGURE 708 11 1/4° Elbow	Size		A		Unit Weight			
					Black			
	NPS	DN	in	mm	lbs	kg	lbs	kg
 	1 1/2	40	1 1/4	32	1.81	0.82		
	2	50	1 3/8	35	2.69	1.22		

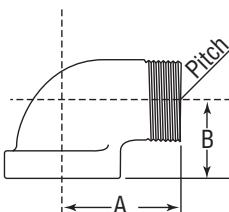
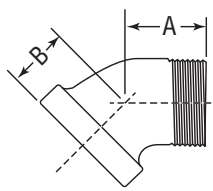
 FIGURE 718* 90° Street Elbow	Size		A		B		Unit Weight			
							Black		Galv.	
	NPS	DN	in	mm	in	mm	lbs	kg	lbs	kg
 	1 1/2	40	3	76	1 7/8	48	2.05	0.93	2.05	0.93
	2	50	3 1/4	83	2 3/16	56	3.10	1.41	3.10	1.41

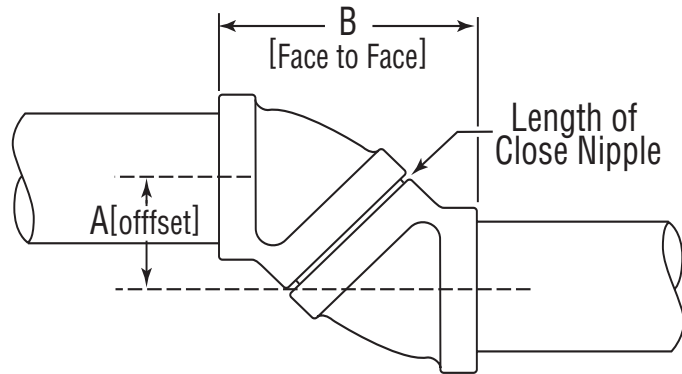
 FIGURE 719 45° Street Elbow	Size		A		B		Unit Weight			
							Black		Galv.	
	NPS	DN	in	mm	in	mm	lbs	kg	lbs	kg
 	1 1/2	40	2	51	1 1/4	32	1.64	0.74	1.64	0.74
	2	50	2 1/4	57	1 11/16	43	2.67	1.21	2.67	1.21

*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:			

SHORTEST OFFSET AND FACE TO FACE WITH USE OF CLOSE NIPPLE



Size		Length Close Nipple		60° Short Figure 703		45° Short Figure 705		45° Long Figure 706	
				A	B	A	B	A	B
NPS	DN	in	mm	in	mm	in	mm	in	mm
1½	40	1¾	44	3½	89	5½	140	2¾	60
2	50	2	51	4⅞	105	6½	165	5¼	133
3	80	2⅝	67	5⅞	141	9	229	6¾	171
4	100	2⅞	73	6½	165	10½	267	3	76

Size		Length Close Nipple		22 ½° Figure 707		11 ¼° Figure 708	
				A	B	A	B
NPS	DN	in	mm	in	mm	in	mm
1½	40	1¾	44	1⅞	29	5¼	133
2	50	2	51	1⅞	35	5⁷⁄₁₆	138
3	80	2⅝	67	1⅞	47	6⅞	154
4	100	2⅞	73	1⅞	52	7⅞	200



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.

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.

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

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.