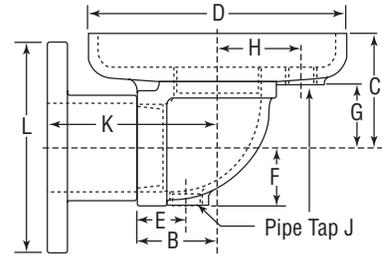


# CAST IRON THREADED FITTINGS



**FIGURE 1538**  
Screwed Cast Iron  
Safety Valve Discharge Elbow



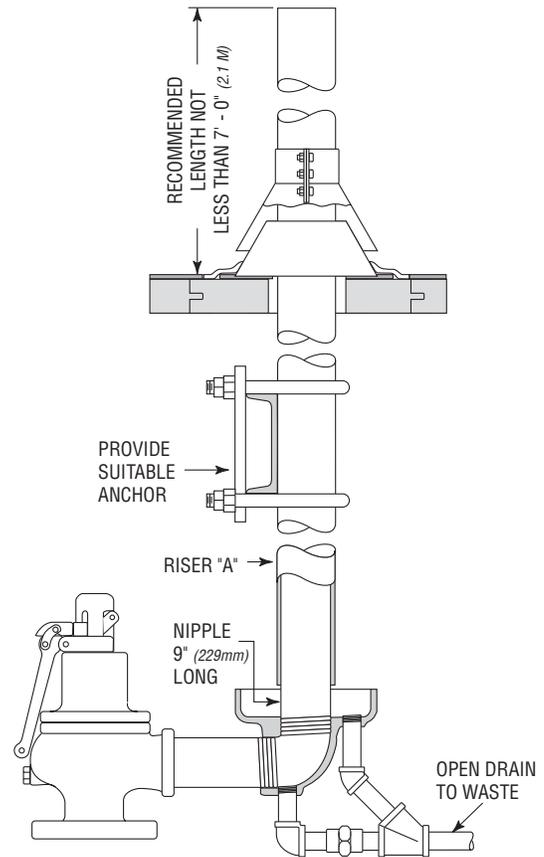
Elbow Pipe Size		Riser Pipe Size A		B		C		D		E		F		G		H		J		K		L		Unit Weight Black	
NPS	DN	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg
2½	65	3½	89	2 <sup>11</sup> / <sub>16</sub>	89	4 <sup>5</sup> / <sub>16</sub>	110	8½	216	1 <sup>5</sup> / <sub>8</sub>	41	1 <sup>15</sup> / <sub>16</sub>	49	2 <sup>1</sup> / <sub>8</sub>	54	2 <sup>3</sup> / <sub>4</sub>	70	¾	19	-	-	-	-	12.00	5.44
3	80	4	102	3 <sup>1</sup> / <sub>8</sub>	79	4 <sup>7</sup> / <sub>8</sub>	124	9½	241	1 <sup>5</sup> / <sub>8</sub>	41	2 <sup>5</sup> / <sub>16</sub>	59	2 <sup>9</sup> / <sub>16</sub>	65	3 <sup>1</sup> / <sub>8</sub>	79	¾	19	-	-	-	-	15.00	6.80
4	100	5	127	3 <sup>3</sup> / <sub>4</sub>	95	5 <sup>3</sup> / <sub>4</sub>	146	11	279	1 <sup>3</sup> / <sub>4</sub>	44	2 <sup>15</sup> / <sub>16</sub>	75	3 <sup>3</sup> / <sub>16</sub>	81	3 <sup>3</sup> / <sub>4</sub>	95	¾	19	-	-	-	-	27.00	12.24

Following are the advantages of Anvil safety valve discharge elbow for piping connections to safety valves when attached to boilers, etc.:

- Drip pan for removing condensate and rain water casts integral with elbow.
- Strains on safety valve minimized.
- Pipe tap J is standard.

With multiple pop safety valve, leakage of vapor at any discharge elbow indicates valve in operation.

Street elbows and flanged elbows furnished on order.



Note: See following page for pressure-temperature ratings.

PROJECT INFORMATION		APPROVAL STAMP	
Project:		<input type="checkbox"/> Approved	
Address:		<input type="checkbox"/> Approved as noted	
Contractor:		<input type="checkbox"/> Not approved	
Engineer:		Remarks:	
Submittal Date:			
Notes 1:			
Notes 2:			



Anvil standard and extra heavy cast iron threaded fittings are manufactured in accordance with ASME B16.4. Plugs and bushings are manufactured in accordance with ASME B16.14.

**NOTE:** Figure 367 Concentric Reducers do not meet the overall length requirement of ASME B16.4. All other dimensions are in compliance.



For Listings/Approval Details and Limitations, visit our website at [www.anvilintl.com](http://www.anvilintl.com) or contact an Anvil Sales Representative.

Cast Iron Threaded Fittings Pressure - Temperature Ratings					
Temperature		Pressure			
		Class 125		Class 250	
(°F)	(°C)	psi	bar	psi	bar
-20° to 150°	-28.9 to 65.6	175	12.1	400	27.6
200°	93.3	165	11.4	370	25.5
250°	121.1	150	10.3	340	23.4
300°	148.9	140	9.7	310	21.4
350°	176.7	125	8.6	300	20.7
400°	204.4	-	-	250	17.2

Standards and Specifications					
	Dimensions	Material	Galvanizing*	Thread	Pressure Rating
<b>CAST IRON THREADED FITTINGS</b>					
Class 125	ASME B16.4	ASTM A-126 (A)	ASTM A-153	ASME B1.20.1	ASME B16.4
Class 250	ASME B16.4	ASTM A-126 (A)	ASTM A-153	ASME B1.20.1	ASME B16.4
<b>CAST IRON PLUGS AND BUSHINGS</b>					
	ASME B16.14	ASTM A- 126 (A)	ASTM A-153	ASME B1.20.1	ASME B16.14

\* 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 1/2" through 2" thread varies from 4 1/2 turns to 5 turns.
  - For 2 1/2" through 4" sizes, wrench tight makeup is considered two full turns past handtight. Handtight engagement for 2 1/2" through 4" thread varies from 5 1/2 turns to 6 3/4 turns.