

# CAST IRON THREADED FITTINGS



## Class 125 (Standard)

<input type="checkbox"/> <b>FIGURE 366</b> Screwed Hex Coupling	Size		Across Flats A		B		C		Unit Weight	
	NPS	DN	in	mm	in	mm	in	mm	Black	
									lbs	kg
	1	25	1 <sup>15</sup> / <sub>16</sub>	49	1 <sup>11</sup> / <sub>16</sub>	43	9/ <sub>16</sub>	14	0.82	0.37

<input type="checkbox"/> <b>FIGURE 487</b> Flanged Union Gasket Type  Assembled with gaskets	Size		Diam. of Flanges		No. of Bolts	Unit Weight			
	NPS	DN	in	mm		Black		Galv.	
					–	lbs	kg	lbs	kg
	1/2	15	2 <sup>15</sup> / <sub>16</sub>	75	3	1.75	0.79	1.75	0.79
	3/4	20	3	76	3	2.00	0.91	2.00	0.91
	1	25	3 <sup>1</sup> / <sub>4</sub>	83	3	2.25	1.02	2.25	1.02
	1 <sup>1</sup> / <sub>4</sub>	32	4 <sup>3</sup> / <sub>16</sub>	106	4	4.75	2.15	4.75	2.15
	1 <sup>1</sup> / <sub>2</sub>	40	4 <sup>3</sup> / <sub>8</sub>	111	4	5.00	2.27	5.00	2.27
	2	50	5	127	4	6.50	2.95	6.50	2.95
	2 <sup>1</sup> / <sub>2</sub>	65	5 <sup>5</sup> / <sub>8</sub>	143	4	8.50	3.85	8.50	3.85
	3	80	6 <sup>3</sup> / <sub>8</sub>	162	4	11.00	4.99	11.00	4.99
	3 <sup>1</sup> / <sub>2</sub>	90	6 <sup>7</sup> / <sub>8</sub>	175	4	12.75	5.78	–	–
	4	100	7 <sup>11</sup> / <sub>16</sub>	195	5	18.00	8.16	18.00	8.16
	5	125	8 <sup>15</sup> / <sub>16</sub>	227	5	22.00	9.98	–	–
	6	150	10 <sup>1</sup> / <sub>4</sub>	260	6	30.00	13.61	30.00	13.61
	8	200	12 <sup>15</sup> / <sub>16</sub>	329	8	51.00	23.13	51.00	23.13

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:			

# CAST IRON THREADED FITTINGS



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.