# **CAST IRON FLANGED FITTINGS**



## Class 125 (Standard)

FIGURE 826	Size			F		Unit Weight		
Flanged Eccentric Reducer						Black		
	NPS	DN	NPS	DN	in	тт	lbs	kg
	3	80	2	50	6	152	16.00	7.26
			<b>2</b> <sup>1</sup> / <sub>2</sub>	65			22.00	<i>9.98</i>
	4	100	2	50	7		28.00	12.70
			<b>2</b> <sup>1</sup> / <sub>2</sub>	65		178	28.00	12.70
			3	80			28.00	12.70
	5	125	4	100	8	203	39.00	17.69
	6	150	3	80	9	229	47.00	21.32
			4	100			50.00	22.68
			5	125			51.00	23.13
	8	200	4	100	11	279	71.00	32.20
			5	125			76.00	34.47
			6	150			77.00	34.92
	10	050	6	150	10	305	107.00	48.53
		250	8	200	12		120.00	54.42

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:		
PF-11.16		

## CAST IRON FLANGED FITTINGS AND FLANGES



### Class 125 (Standard) and Class 250 (Extra Heavy)



For Listings/Approval Details and Limitations, visit our website at www.anvilintl.com or contact an Anvil Sales Representative.

#### Specifications

All Cast Iron Flanged Fittings and Flanges in sizes listed are made to ASME and are marked 125 or 250 for pipe sizes 12 NPS (*300 DN*) and smaller. Unless otherwise specified, cast iron flanges and fittings are drilled and faced in accordance with ASME B 16.1.

#### Coatings

Flanged fittings and flanges are available in both black painted and galvanized. Consult an Anvil Representative for available sizes.

#### Sizes

Size of all flanged fittings and flanges scheduled indicates nominal pipe diameter of ports. Standard reducing elbows carry the same dimensions center-to-face as regular elbows of largest straight size.

#### Ordering

To order reducing companion flanges, specify threaded or reduced size first, then the outside diameter of flange wanted. For instance, if a reducing flange is required to connect a 5-inch pipe to an 8-inch flanged valve or fitting having a 13  $^{1}/_{2}$  inch O.D. flange, order: 5 x 13  $^{1}/_{2}$  inch standard reducing flange.

#### Dimensions

Bolt holes for bolts smaller than  $1^{3}/_{4}$  inches (44mm) in diameter are drilled  $1/_{8}$  inch larger than the bolt diameter;  $1^{3}/_{4}$  inch (44mm) and larger bolts have holes drilled  $1/_{4}$  inch (6mm) larger than bolt diameter. Bolt holes straddle the center line. Bolt holes are spot faced on order only.

#### Tolerances

An inspection limit of plus or minus  $\frac{1}{32}$  inch *(Imm)* shall be allowed on all center to contact surface dimensions for sizes up to and including 10 NPS *(250 DN)*; plus or minus  $\frac{1}{16}$  inch *(1.5mm)* on sizes larger than 10 NPS *(250 DN)*. Inspection limit of plus or minus  $\frac{1}{16}$  inch *(1.5mm)* shall be allowed on all contact surface to contact surface dimensions for sizes up to and including 10 NPS *(250 DN)*; plus or minus  $\frac{1}{16}$  inch *(1.5mm)* shall on sizes larger than 10 NPS *(250 DN)*. The largest opening in the fitting governs the tolerance to be applied to all openings.



Cast Iron Flanged Fittings and Cast Iron Flanges							
		Pressure*					
Temperature		Class	s 125	Class 250			
		1"-	12"	1"–12"			
(°F)	(°C)	psi	bar	psi	bar		
-20° to 150°	-28.9° to 65.6°	200	13.8	500	34.5		
200°	93.3°	190	13.1	460	31.7		
225°	107.2°	180	12.4	440	30.3		
250°	121.1°	175	12.1	415	28.6		
275°	135.0°	170	11.7	395	27.2		
300°	148.9°	165	11.4	375	25.9		
325°	162.8°	155	10.7	355	24.5		
350°	178.3°	150	10.3	335	23.1		
375°	190.6°	145	10.0	315	21.7		
400°	207.8°	140	9.7	290	20.0		
425°	218.3°	130	9.0	270	18.6		
450°	232.2°	125	8.6	250	17.2		

\* Applies to fittings and flanges manufactured with ASTM A-126 Class B material only.

Standards and Specifications							
	Dimensions	Material	Galvanizing**	Thread	Pressure Rating		
CAST IRON FLANGES AND FLANGED FITTINGS							
Class 125 (1"-12")	ASME B16.1	ASTM A- 126 (A) or (B)	ASTM A-153	ASME B1.20.1	ASME B16.1		
Class 250 (1"-12")	ASME B16.1	ASTM A- 126 (A) or (B)	ASTM A-153	ASME B1.20.1	ASME B16.1		

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