



Flanged Ductile Iron Pipe



Flanged Ductile Iron Pipe is manufactured for air, water, sewage, oil and other liquids where rigid, restrained joints are required. It is generally employed in water treatment plants, sewage treatment plants and other industrial piping systems. For added flexibility, pipe may be furnished with one end flanged and the other with one of a wide range of end connections to accommodate particular design requirements.

STANDARDS & CERTIFICATION

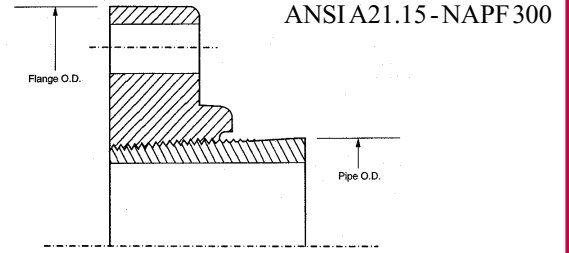
Flanged ductile Iron Pipe is manufactured in accordance with ANSI/AWWA C115/A21.15; NAPF 300 and certified accordingly by Underwriters Laboratories (Certificate Number 101097-MH25360). Each conforming product displays a certifying label.

Ductile iron pipe barrels conform to the requirements of ANSI/AWWA C15/A21.51; NAPF 100 (minimum Class 53), subject to manufacturing tolerances. Ductile iron flanges conform to the dimensions referenced in ANSI/AWWA C115/A21.15; NAPF 300 and can be joined to Class 125 flanges referenced in ANSI B16.1 or Class 150 ANSI B16.5 flanges (for steel pipe). Flanges conform to the chemical and physical properties for ductile iron fittings referenced in ANSI/AWWA C110/A21.10; NAPF 200.

WORKING PRESSURE

Flanged ductile iron pipe is rated for a maximum working pressure of at least 250 psi. Flanged joints with ductile iron flanges in the 24" and smaller size range may be rated for 350 psi with the use of special gaskets whose rating is supported by performance testing as described in Section 4.5. of ANSI/AWWA C111/A21.11 and when specified in the purchaser's specifications and accepted by Fab Pipe Inc. (See Seal-Tite Gaskets).

NOTE: Flanged ductile iron pipe may be ordered with flanges faced and drilled per ANSI/B16.1 Class 250. These flanges are special; they do not match ANSI/AWWA C115/A21.15 flanges and are infrequently furnished. They are furnished only as a transition from equipment with these flanges to regular ANSI/AWWA C115/A21.15 and ANSI/AWWA C110/A21.10 Flanges.



LENGTH

Maximum length of grooved pipe is 19'6" or more, depending on size. Exact length (subject to manufacturing tolerances) may be furnished down to minimum practical lengths depending on pipe size. Flange fillers are available to accommodate lengths below minimum flanged pipe lengths. (See Flanged Fillers).

INTERIOR LININGS

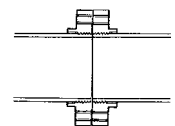
Unless otherwise specified, flanged pipe is furnished cement mortar interior lined and seal coated in accordance with ANSI/AWWA C104/A21.4; NAPF 500. Unlined, bituminous lined or other special linings may be available upon request and may be applied in accordance with NAPF 500. Standard cement-mortar and some other linings are individually certified in conformity to ANSI/NSF 61. (See Coatings & Linings).

EXTERIOR LININGS

Unless otherwise specified, flanged pipe is furnished with a Standard bituminous exterior coating per ANSI/AWWA C151/A21.51 Section 51.8.1. Standard exterior primers and other special coatings may be available upon request and may be applied in accordance with NAPF 500. (See Coatings & Linings).

DESIGN NOTES

Long runs of flanged pipe should normally include design provisions for thermal expansion and contraction such as flexible joints or couplings at strategic intervals. "Closed loop" and replacement piping arrangements should also include such design provisions, where practical, to aid in installation and alignment. Due to the rigidity of flanged joints, their underground use is generally not recommended.



Form No. FP0204

Flanged Ductile Iron Pipe is made to order and is not returnable.

Fab pipe inc.

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