



REINFORCED CONCRETE PIPE

The strength and joint integrity of Foltz Concrete products are second to none in the Southeast. All concrete pipe manufactured by Foltz Concrete meets ASTM and AASHTO specifications. It also meets NCDOT, VDOT, SCDOT, MSHA, and WVDOH standards.

Foltz manufactures Reinforced Concrete Pipe (RCP) in sizes 15" through 72" (375 to 1800 mm).

APPLICATIONS

Airports	DOT Highway
Subdivisions	Shopping Malls
Business Parks	Streets & Highways

FEATURES

- Watertight joint performance
- High pipe strength for any application
- Able to utilize native soils
- Compaction not required for many installations
- 100+ year service life in highway environment
- Eliminates deflection worries
- Single offset joint

BENEFITS

- Low project and maintenance costs
- Accommodates a variety of design requirements and conditions
- Won't corrode, rust, deflect or bend and resists most environmental elements above and below ground
- Joint performance integrity remains constant over time
- Extremely high resistance to buoyancy
- Maintains a constant line and grade
- Highly designed offset joint with O-ring makes joint capable of watertight applications





FOLTZ CONCRETE PIPE SPECIFICATION

SCOPE

This specification describes 15 through 72-inch (375 mm to 1800 mm) Foltz Reinforced Concrete Pipe (RCP) per ASTM C76/C76M and AASHTO M170/M170M.

PIPE REQUIREMENTS

- Foltz 15 through 72-inch (375–1800 mm) RCP shall meet the D-load strength requirements in ASTM C76/C76M and AASHTO M170/M170M for Class III, Class IV and Class V as specified. Special designs are also available upon request and these designs shall conform to all the requirements in either ASTM C655/655M or ASTM C1417.
- Manning’s “n” values for use in design shall be 0.012.

JOINT PERFORMANCE

Pipe shall be joined using a bell and spigot single offset joint. The joint shall be sealed with an elastomeric rubber gasket and shall be watertight in accordance with the requirements of ASTM C443. The gaskets shall be supplied by the manufacturer and installed in the field in accordance with the manufacturer’s recommendations. A joint lubricant supplied by the manufacturer shall be used on the gasket and bell during assembly.

FITTINGS

Custom fittings shall conform to all the strength requirements of ASTM C76/C76M, C655/ C655M or ASTM C1417 depending on the application and design requirements. All fittings shall have bell and spigot joint configurations to mate with adjoining pipe sections.

MATERIAL PROPERTIES

Concrete shall meet the minimum compressive strength and mix design requirements for each ASTM C76/C76M pipe class designation or the special design criteria for ASTM C655/C655M or ASTM C1417. Reinforcing steel shall conform to the requirements for wire or wire fabric in ASTM A82, A185, A496 or A497 and bars in ASTM A615.

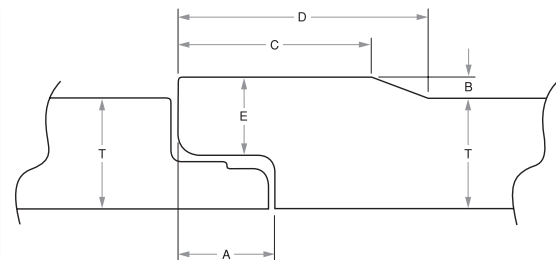
INSTALLATION

Installation shall be in accordance with ASTM C1479. The specific installation type shall be directly correlated to the manufactured pipe strength utilized in ASTM C76/C76M, C655/C655M or C1417. Maximum and minimum fill heights depend on the embedment material, compaction levels and pipe strength. Contact your local Foltz representative for a copy of the latest installation guidelines.

PIPE DIMENSIONS

	NOMINAL DIAMETER in. (mm)									
	15" (375 mm)	18" (450 mm)	24" (600 mm)	30" (750 mm)	36" (900 mm)	42" (1050 mm)	48" (1200 mm)	54" (1350 mm)	60" (1500 mm)	72" (1800 mm)
Weight, lb/ft (kg/m)	149 (222)	188 (280)	281 (418)	415 (618)	518 (771)	690 (1027)	863 (1284)	1228 (1827)	1473 (2192)	2015 (2998)
T, in (mm)	2.34 (59.0)	2.5 (63.0)	3 (75.6)	3.5 (88.2)	4 (101)	4.5 (113)	5.75 (145)	6.25 (158)	6.75 (170)	7.75 (195)
A, in (mm)	3.5 (88.2)	3.5 (88.2)	3.5 (88.2)	3.5 (88.2)	3.5 (88.2)	4 (101)	4.25 (107)	4.25 (107)	4.75 (120)	5 (126)
B, in (mm)	1.53 (38.6)	1.63 (41.1)	1.20 (30.2)	1.13 (28.5)	0.75 (18.9)	0.4 (11.1)	*	*	*	*
C, in (mm)	6.5 (164)	6.5 (164)	7 (176)	7 (176)	7 (176)	7 (176)	*	*	*	*
D, in (mm)	10.7 (270)	11.0 (277)	10.3 (260)	10.1 (255)	9.06 (228)	8.21 (207)	*	*	*	*
E, in (mm)	2.21 (55.7)	2.72 (68.5)	2.46 (62.0)	2.75 (69.3)	2.81 (70.8)	2.86 (72.1)	2.62 (66.0)	4.01 (101)	4.26 (107)	4.88 (123)

*No expanded bell—straight wall pipe



For more information on this and other Foltz Concrete products, please contact our Customer Service Representatives at 1-800-229-8525

ADS “Terms and Conditions of Sale” are available on the ADS website, www.ads-pipe.com. The ADS logo and the Green Stripe are registered trademarks of Advanced Drainage Systems, Inc. Foltz Concrete Pipe is a registered trademark of Foltz Concrete Pipe Company.
© 2011 Advanced Drainage Systems, Inc. (AD861010) BRO 10785 10/11