

SUBMITTAL FOR CHARLOTTE PIPE® EDGE HP IRON HUBLESS PIPE AND FITTINGS

Date: _____

Job Name: _____

Location: _____

Engineer: _____

Contractor: _____

Scope:

This specification covers Edge HP Iron Hubless pipe, fittings, and couplings used in sanitary drain, waste and vent (DWV), sewer, and storm drainage applications. This system is intended for use in non-pressure, aggressive DWV applications.

Specification:

Edge HP Iron hubless pipe and fittings shall be marked with the collective trademark of the Cast Iron Soil Pipe Institute® and listed by NSF® International. The inside of each pipe shall be reamed prior to coating to decrease the coefficient of friction. The pipe coating shall consist of chemically deposited zinc-phosphate pretreatment layer followed by an electrically deposited, high performance cathodic epoxy coating, and finally an electrically deposited, high performance anodic epoxy top coat. The fitting coating shall consist of a chemically deposited zinc-phosphate pretreatment layer followed by an electrically deposited, high performance cathodic epoxy coating, and finally an epoxy acrylic powder top coat.

Installation:

Installation shall comply with the latest installation instructions published by Charlotte Pipe and Foundry Company® and shall conform to all applicable plumbing, fire, and building code requirements. The system shall be hydrostatically tested after installation to 10 ft. of head (4.3 psi maximum). **WARNING!** Never test with or transport/store compressed air or gas in Cast Iron pipe or fittings. Doing so can result in explosive failures and cause severe injury or death.

Referenced Standards:

ASTM C 564: Rubber Gaskets for Cast Iron Soil Pipe and Fittings
 CISPI 301: Hubless Cast Iron Soil Pipe and Fittings
 CISPI 310: Hubless Couplings for Cast Iron Soil Pipe and Fittings
 ASTM C 1277: Hubless Couplings
 ASTM C 1540: Hubless Medium Duty and Heavy Duty Couplings



1/4 Bend

1/8 Bend

Wye

Combination

San Tee

San Cross

Short Sweep

Reducer

"P" Trap

Blind Plug

Upright Wye

Double Two-Way
Cleanout

Not all fitting patterns shown

TABLE 1
DIMENSIONS AND TOLERANCES (IN INCHES) OF SPIGOTS
AND BARRELS FOR NO-HUB PIPE AND FITTINGS

Size	Inside Barrel Diameter	Outside Diameter Barrel	Outside Diameter Spigot	Width Spigot Bead N	Thickness of Barrel	Gasket Positioning Lug	
	B	J	M	(± .13)	T-Nom.	T-Min.	W
2	1.96 ± .09	2.35 ± .09	2.41 ± .09	.25	.16	.13	1.13
3	2.96 ± .09	3.35 ± .09	3.41 ± .09	.25	.16	.13	1.13
4	3.94 ± .09	4.38 ± .09	4.44 ± .09	.31	.19	.15	1.13
		-.05					
		-.05					
5	4.94 ± .09	5.30 ± .09	5.36 ± .09	.31	.19	.15	1.50
		-.05					
6	5.94 ± .09	6.30 ± .09	6.36 ± .09	.31	.19	.15	1.50
		-.05					
8	7.94 ± .13	8.38 ± .09	8.44 ± .09	.31	.23	.17	2.00
10	10.00 ± .13	10.56 ± .09	10.62 ± .09	.31	.28	.22	2.00
12	11.94 ± .09	12.50 ± .13	12.62 ± .13	.31	.28	.22	2.75
15	15.11 ± .09	15.83 ± .13	16.12 ± .13	.31	.36	.30	2.75

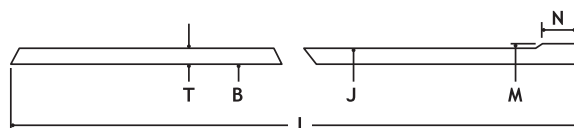


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Note: Charlotte Pipe does not recommend or warrant installations joined with unshielded hubless couplings.

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