Designation: A 888 – 04

Standard Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Applications[1]

This standard is issued under the fixed designation A 888; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This specification covers hubless cast iron soil pipe and fittings for use in gravity flow applications. It establishes standards covering material, manufacture, mechanical and chemical properties, dimensions, coating, test methods, inspection, certification and product marking for hubless cast iron soil pipe and fittings. These pipe and fittings are intended for non-pressure applications, as the selection of the proper size for sanitary drain, waste, vent, and storm drain systems allows free air space for gravity drainage.

1.2 The EDP/ASA numbers indicated in this section represent a Uniform Industry Code adopted by the American Supply Association (ASA). A group designation prefix, 022, is assigned to hubless products, followed by the four-digit identification assigned to individual items and a check digit. This system has been instituted to facilitate EDP control through distribution channels, and be used universally in ordering and specifying product items. Those items with no EDP numbers are either new, special or transitory and will be assigned numbers on subsequent prints of this specification.

1.3 This specification covers pipe and fittings of the following patterns and applies to any other patterns that conform with the applicable requirements given herein.[2]

1.3.1 *Lengths*:

	Figures
EDP/ASA Identification Numbers	Fig. 1
for Hubless Pipe	
10 ft (3.0 m) in sizes and 5 ft. (1.5 m)	Fig. 1, Fig. 2
1½ , 2, 3, 4, 5, 6, 8,	
10, 12, and 15 inch.	
Method of Specifying Fittings	Fig. 3

1.3.2 *Fittings*:

Quarter Bend	Fig. 5
Quarter Bend, Reducing	Fig. 6
Quarter Bend, With Side Opening	Fig. 7
Quarter Bend, With Heel Opening	Fig. 8
Quarter Bend, Tapped	Fig. 9
Quarter Bend, Double	Fig. 10
Quarter Bend, Long	Fig. 11
Short Sweep	Fig. 12
Long Sweep	Fig. 13
Long Sweep, Reducing	Fig. 14
Fifth Bend	Fig. 15
Sixth Bend	Fig. 16
Eighth Bend	Fig. 17
Eighth Bend Long	Fig. 18
Sixteenth Bend	Fig. 19
Sanitary Tee	Fig. 20
Sanitary Tee With Side Opening	Fig. 21
Sanitary Tee With 2 in. Side Opening R or L/R and L	Fig. 22
Sanitary Tee, New Orleans Special With Side Opening	Fig. 23
Sanitary Tee With 45° Side Openings and New Orleans	Fig. 24
Sanitary Special Tee Tapped	Fig. 25
Sanitary Tapped Tee, Horizontal Twin	Fig. 26
Sanitary Tapped Tee, Double Vertical	Fig. 27
Y Branch	Fig. 28
Y Branch, Double	Fig. 29
Y Branch, Upright	Fig. 30
Upright Y Wide Center Florida Special	Fig. 31
Y Branch, Combination ⅛ Bend	Fig. 32
Y Branch, Combination ⅛ Bend Double	Fig. 33
Sanitary Cross	Fig. 34
Sanitary Cross With Side Opening	Fig. 35
Sanitary Cross, New Orleans, With Side Openings	Fig. 36
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Sanitary Cross, Tapped	Fig. 38
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Tapped, Extension Piece	Fig. 40
Increaser-Reducer	Fig. 41
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P Trap, Long	Fig. 47
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P Trap, Deep Seal	Fig. 49
P Trap, Reducing	Fig. 50
P Trap, With Primer	Fig. 51
P Trap, With Tapped Inlet	Fig. 52
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Tapped Inlet, Double	Fig. 54
Modified Combination Wye and ⅛ Bend, Double	Fig. 55
Modified Combination Wye and ⅛ Bend, Double, Extended	Fig. 56
Regular or Extended Left or Right Regular or Extended Double	Fig. 57
Regular or Extended Left or Right Regular or Extended Double	Fig. 58
Two-Way Cleanout	Fig. 59
Twin Cleanout	Fig. 60
Closet Bend, Regular and Reducing	Fig. 61
Closet Flange	Fig. 62
Tapping Bosses	Fig. 63

[1] This specification is under the jurisdiction of ASTM Committee A04 on Iron Castings and is under the direct responsibility of Subcommittee A04.12 on Pipes and Tubes.

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