

Cast Iron

DC-CI

CHARLOTTE
PIPE AND FOUNDRY COMPANY

DIMENSIONAL CATALOG

No-Hub Pipe and Fittings

Service Pipe and Fittings

Extra Heavy Pipe and Fittings

Plugs

(Updated October 15, 2019)

You can't beat the system.®

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Cast Iron Pipe and Fitting Dimensions

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Download our Tech Tools App for dimensional info, tech calculators and more on your mobile device.



This catalog accurately reflects dimensional information to the best of our knowledge. If dimensions on your job are critical, please verify dimensional information with our factory.

This dimensional catalog accurately reflects our product line at the time the catalog was printed. However, we add and delete items on an ongoing basis to better serve our customers. Please refer to our current list price sheets for an accurate listing of items offered.

Charlotte Pipe® products are manufactured to the applicable ASTM standard. Charlotte Pipe and Foundry cannot accept responsibility for the performance, dimensional accuracy, or compatibility of pipe, fittings, gaskets, or couplings not manufactured or sold by Charlotte Pipe and Foundry.

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No-Hub

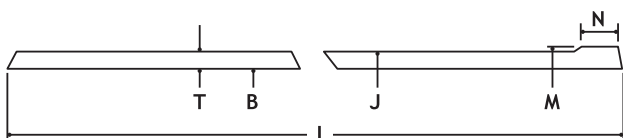


TABLE 1
DIMENSIONS AND TOLERANCES (IN INCHES) OF SPIGOTS
AND BARRELS FOR NO-HUB PIPE AND FITTINGS

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
1 1/2	1.50 ± .09	1.90 ± .06	1.96 ± .06	.25	.16	.13	1.13
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
5	4.94 ± .09	5.30 ± .09	5.36 ± .09	.31	.19	.15	1.50
6	5.94 ± .09	6.30 ± .09	6.36 ± .09	.31	.19	.15	1.50
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

TEN FOOT PIPE BUNDLES NO-HUB PIPE

Size	Pieces	Weight	Height
1 1/2" x 10'	72	2052	12"
2" x 10'	54	1906	11"
3" x 10'	36	1944	14"
4" x 10'	27	1922	17"
5" x 10'	24	2342	20"
6" x 10'	18	2120	23"
8" x 10'	8	1367	22"
10" x 10'	6	1528	26"
12" x 10'	6	1908	29"
15" x 10'	2	985	19"

Weights are approximate and are for shipping purposes only.

PART NO. NH 1

No-Hub (Standard) Coupling

Size	Shield Width	Number of Clamps
1½	2.13"	2
2 x 1½	2.13"	2
2	2.13"	2
3 x 2	2.13"	2
3	2.13"	2
4 x 3	2.13"	2
4	2.13"	2
5	3.00"	4
6	3.00"	4
8	4.00"	4
10	4.00"	4



PART NO. MDC 2

Heavy Duty (MD) Coupling

Size	Shield Width	Number of Clamps
1½	3.00"	4
2	3.00"	4
3	3.00"	4
4	3.00"	4
5	4.00"	6
6	4.00"	6
8	4.00"	6
10	4.00"	6



PART NO. SDC 4

Heavy Duty (HD) Coupling

Size	Shield Width	Number of Clamps
1½	3.00"	4
2	3.00"	4
3	3.00"	4
4	3.00"	4
5	4.00"	6
6	4.00"	6
8	4.00"	6
10	4.00"	6



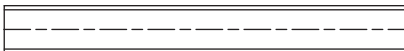
PART NO. HD 1

Heavy Duty Coupling

Size	Shield Width	Number of Clamps
12	5.50"	6
15	5.50"	6



PART NO. NH 2



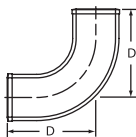
No-Hub Pipe - Ten Feet Laying Length

Size	Weight
1½" x 10'	28.5
2" x 10'	35.0
3" x 10'	54.0
4" x 10'	71.2
5" x 10'	97.6
6" x 10'	117.8
8" x 10'	170.9
10" x 10'	254.6
12" x 10'	318.1
15" x 10'	492.6

PART NO. NH 4

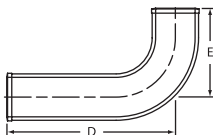
Quarter Bend

Size	D	Weight
1½	4¼	1.7
2	4½	2.2
3	5	3.7
4	5½	6.5
5	6½	9.3
6	7	15.0
8	8½	23.1
4 x 3	5½	5.5



Long Quarter Bend

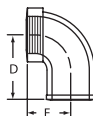
Size	D	E	Weight
2 x 12	12	4½	5.4
2 x 18	18	4½	8.8
2 x 24	24	4½	10.7
3 x 12	12	5	8.5
4 x 12	12	5½	11.2



PART NO. NH 4A

Tapped Quarter Bend

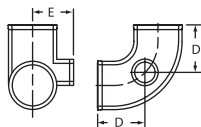
Size	D	E	Weight
1½ x 1½	3	2	1.9
2 x 1¼	3¼	2¼	2.0
2 x 1½	3¼	2¼	1.8
2 x 2	3¼	2¼	2.9



PART NO. NH 6

Quarter Bend with Side Opening

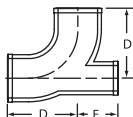
Size	E	D	Weight
3 x 2	3¼	4	5.1
4 x 2	3¾	4 ⁵ / ₁₆	7.5



PART NO. NH 8

Quarter Bend with Heel Opening

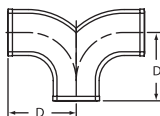
Size	D	E	Weight
3 x 2	5	2 ⁷ / ₈	5.6
4 x 2	5½	3¼	7.2



PART NO. NH 8A

Double Quarter Bend

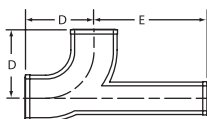
Size	D	Weight
2	4½	4.5
3	5	7.1
4	5½	9.7



PART NO. NH 8B

Extended Quarter Bend with Low Heel Outlet

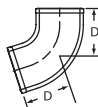
Size	D	E	Weight
3 x 2	5	10 1/2	7.8



PART NO. NH 9

Fifth Bend

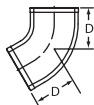
Size	D	Weight
2	3 11/16	2.3
3	4 1/16	3.7
4	4 7/16	6.1



PART NO. NH 10

Sixth Bend

Size	D	Weight
2	3 1/4	2.2
3	3 1/2	3.0
4	3 13/16	5.3



PART NO. NH 12

Eighth Bend

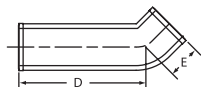
Size	D	Weight
1 1/2	2 5/8	1.5
2	2 3/4	1.5
3	3	2.9
4	3 1/8	4.0
5	3 7/8	7.4
6	4 1/16	9.1
8	5	14.9
10	5 15/16	31.7
12	6 9/16	31.6
15	7 13/16	62.0



PART NO. NH 12

Long Eighth Bend

Size	D	E	Weight
2 x 12	12	2 ³ / ₄	4.6
2 x 18	18	2 ³ / ₄	7.3
3 x 12	12	3	8.0
3 x 18	18	3	10.2
4 x 12	12	3 ¹ / ₈	9.7



PART NO. NH 14

Sixteenth Bend

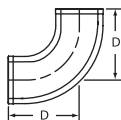
Size	D	Weight
1 ¹ / ₂	2 ¹ / ₈	1.2
2	2 ¹ / ₈	1.4
3	2 ¹ / ₄	2.1
4	2 ⁵ / ₁₆	3.4
5	2 ⁷ / ₈	5.4
6	3	6.7
8	3 ³ / ₄	12.0



PART NO. NH 16

Short Sweep

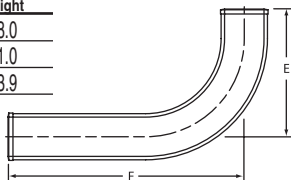
Size	D	Weight
2	6 ¹ / ₂	3.1
3	7	6.3
4	7 ¹ / ₂	8.1
5	8 ¹ / ₂	13.1
6	9	17.1
8	10 ¹ / ₂	31.0
10	12	53.4
12	13 ¹ / ₄	61.3
15	14 ³ / ₄	105.6



PART NO. EZS 14

Extended Short Sweep

Size	E	F	Weight
2 x 18	6½	18	8.0
2 x 24	6½	24	11.0
2 x 34	6½	34	13.9

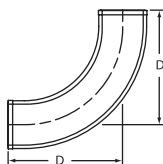


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PART NO. NH 18

Long Sweep

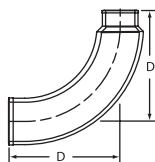
Size	D	Weight
1½	9¼	4.4
2	9½	5.8
3	10	9.4
4	10½	12.3
5	11½	18.6
6	12	23.3



PART NO. NH 18

Reducing Long Sweep

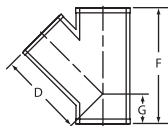
Size	D	Weight
4 x 3	10½	12.4



PART NO. NH 20

Wye

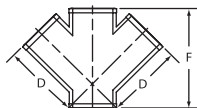
Size	D	F	G	Weight
1½ x 1½	4	6	2	2.5
2 x 2	4⅝	6⅝	2	3.3
3 x 1½	4⅝	6⅞	1⅝ ₁₆	4.4
3 x 2	5⅝ ₁₆	6⅝	1½	3.4
3	5¾	8	2¼	4.6
4 x 2	6	6⅝	1	5.1
4 x 3	6½	8	1⅝ ₁₆	7.3
4	7⅛ ₁₆	9½	2⅞ ₁₆	9.1
5 x 2	7½	8⅛ ₁₆	1⅝ ₁₆	8.8
5 x 3	8	9⅛ ₁₆	1⅝ ₁₆	10.5
5 x 4	8½	11⅜ ₁₆	2⅞ ₁₆	13.1
5	9½	12⅝ ₈	3⅛ ₈	15.1
6 x 2	8¼	8⅝ ₁₆	½	9.8
6 x 3	8¾	9¾	1¼	12.5
6 x 4	9¼	11⅜ ₁₆	1⅝ ₁₆	14.6
6 x 5	10¼	12½	2⅞ ₁₆	17.6
6	10¾	14⅛ ₁₆	3⅝ ₁₆	19.7
8 x 3	9⅛ ₁₆	9⅝ ₁₆	⅛	17.5
8 x 4	10⅜ ₈	11⅞ ₁₆	1⅝ ₁₆	22.0
8 x 5	11⅜ ₈	12⅜ ₁₆	1⅝ ₈	23.9
8 x 6	11⅜ ₁₆	14⅜ ₁₆	2⅝ ₁₆	28.3
8	13⅜ ₈	17⅛ ₈	3¾	36.3
10 x 4	11⅝ ₁₆	12⅝ ₈	¾	32.9
10 x 6	13⅛ ₈	15⅞ ₁₆	2⅜ ₁₆	42.1
10 x 8	14⅝ ₁₆	18⅜ ₈	3⅝ ₈	56.1
10	16½	21½	5⅛ ₁₆	74.9
12	19¾	25½	5¾	97.0
15	23¼	30	6¾	189.5



PART NO. NH 21

Double Wye

Size	D	F	Weight
2	4 ⁵ / ₈	6 ⁵ / ₈	4.5
3 x 2	5 ⁵ / ₁₆	6 ⁵ / ₈	5.5
3	5 ³ / ₄	8	7.9
4 x 2	6	6 ⁵ / ₈	6.5
4 x 3	6 ¹ / ₂	8	8.8
4	7 ¹ / ₁₆	9 ¹ / ₂	12.1
5 x 4	8 ¹ / ₂	11 ³ / ₁₆	15.7
6 x 4	9 ¹ / ₄	11 ³ / ₁₆	16.4
6	10 ³ / ₄	14 ¹ / ₁₆	27.4
8	13 ³ / ₈	17 ¹ / ₈	45.3
8 x 4	10 ³ / ₈	11 ⁷ / ₁₆	23.0
8 x 6	11 ¹³ / ₁₆	14 ³ / ₁₆	31.3

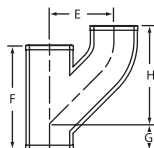


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PART NO. NH 21A

Upright Wye

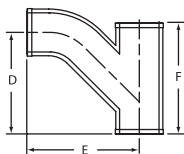
Size	H	E	F	G	Weight
2	8 ¹ / ₄	5 ¹ / ₂	7	2	4.8
3 x 2	8 ³ / ₁₆	5 ¹ / ₂	7	1 ¹ / ₂	5.7
3	8 ⁷ / ₁₆	5 ¹ / ₂	8 ³ / ₈	2 ³ / ₁₆	9.5
4 x 2	8 ¹ / ₄	5 ¹ / ₂	7	1	7.7
4 x 3	8 ⁷ / ₁₆	5 ¹ / ₂	8 ³ / ₈	11 ¹ / ₁₆	10.1
4	9 ¹ / ₈	6	9 ³ / ₄	2 ⁷ / ₁₆	12.9
5 x 2	9	6 ¹ / ₈	8	1	11.0
5	11 ⁷ / ₁₆	7 ¹ / ₈	12 ³ / ₄	2 ³ / ₄	19.9



PART NO. NH 22

Combination

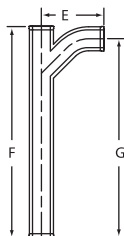
Size	D	E	F	Weight
1½	4¾	5⅜	6	3.1
2 x 1½	5	5⅞	6	3.4
2	5⅜	6⅛	6⅝	3.5
3 x 1½	5½	6¾	6⅝	5.0
3 x 2	5½	6¾	6⅝	5.7
3	7 ⁵ / ₁₆	8	8	8.5
4 x 2	5½	7¼	6⅝	6.6
4 x 3	7¼	8½	8	9.5
4	9¼	10	9½	13.7
5 x 2	5 ¹⁵ / ₁₆	7¾	8 ¹ / ₁₆	8.5
5 x 3	7¾	9	9 ¹¹ / ₁₆	12.0
5 x 4	9¾	10½	11 ³ / ₁₆	17.1
5	11¾	12½	12 ⁵ / ₈	19.7
6 x 2	6	8¼	8 ⁵ / ₁₆	12.0
6 x 3	7 ¹³ / ₁₆	9½	9¾	14.7
6 x 4	9¾	11	11 ³ / ₁₆	18.4
6 x 5	11 ¹¹ / ₁₆	13	12½	23.4
6	13 ⁵ / ₈	14¾	14 ¹ / ₁₆	30.0
8 x 4	9 ⁷ / ₁₆	11 ⁵ / ₁₆	11 ³ / ₁₆	25.1
8 x 6	12	13¾	13 ¹⁵ / ₁₆	35.4
8	14¾	15 ⁹ / ₁₆	16 ¹⁵ / ₁₆	49.3



PART NO. EZS 15

Extended Combination

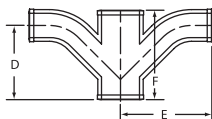
Size	E	F	G	Weight
2 x 24	6 ³ / ₁₆	25 ³ / ₈	24	12.0
2 x 36	6 ³ / ₁₆	36	34¾	15.4



PART NO. NH 24

Double Combination

Size	D	E	F	Weight
2	5 ³ / ₈	6 ¹ / ₈	6 ⁵ / ₈	6.3
3 x 2	5 ¹ / ₂	6 ³ / ₄	6 ⁵ / ₈	7.7
3	7 ⁵ / ₁₆	8	8	11.8
4 x 2	5 ¹ / ₂	7 ¹ / ₄	6 ⁵ / ₈	8.3
4 x 3	7 ¹ / ₄	8 ¹ / ₂	8	13.7
4	9 ¹ / ₄	10	9 ¹ / ₂	20.5

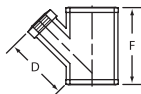


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PART NO. NH 26

Tapped Wye

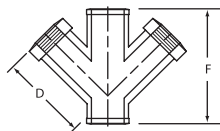
Size	D	F	Weight
2 x 1 ¹ / ₂	5 ¹ / ₁₆	6 ⁵ / ₈	3.4
2 x 2	5 ¹ / ₁₆	6 ⁵ / ₈	4.6
3 x 1 ¹ / ₂	5 ³ / ₄	6 ⁵ / ₈	5.1
3 x 2	5 ¹³ / ₁₆	6 ⁵ / ₈	5.3
4 x 1 ¹ / ₂	6 ⁷ / ₁₆	6 ⁵ / ₈	6.0
4 x 2	6 ¹ / ₂	6 ⁵ / ₈	7.2



PART NO. NH 27

Tapped Double Wye

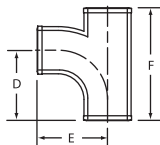
Size	D	F	Weight
2 x 1 ¹ / ₂	5 ¹ / ₁₆	6 ⁵ / ₈	5.6



PART NO. NH 28

Sanitary Tee

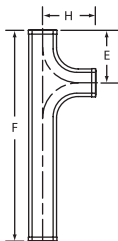
Size	E	F	D	Weight
1½ x 1½	4¼	6½	4¼	2.9
2 x 1½	4½	6⅝	4¼	3.4
2	4½	6⅞	4½	3.1
3 x 1½	5	6½	4¼	4.5
3 x 2	5	6⅞	4½	3.7
3	5	8	5	5.5
4 x 2	5½	6⅞	4½	5.3
4 x 3	5½	8	5	7.6
4	5½	9⅛	5½	8.5
5 x 2	6½	8½	5	8.3
5 x 3	6	9⅝	5½	10.2
5 x 4	6	10⅓	6	11.5
5	6½	11⅞	6½	12.5
6 x 2	6½	8⅜	5	9.9
6 x 3	6½	9⅜	5½	11.5
6 x 4	6½	10⅛	6	12.0
6 x 5	7	11½	6½	15.6
6	7	12½	7	12.9
8 x 3	7½	10⅜	6	17.9
8 x 4	7½	11½	6½	21.6
8 x 5	8	12½	7	24.0
8 x 6	8	13½	7½	24.0
8	8½	15½	8½	30.8



PART NO. EZS 16

2" Two-Way Sanitary Tee

Size	E	H	F	Weight
2 x 18	4½	4½	18	7.8
2 x 24	4½	4½	24	10.4
2 x 36	4½	4½	36	15.6



PART NO. NH 30

Sanitary Cross

Size	E	F	D	Weight
1 1/2	4 1/4	6 1/2	4 1/2	3.6
2	4 1/2	6 7/8	4 1/2	5.0
3 x 2	5	6 7/8	4 1/2	6.2
3	5	8	5	7.6
4 x 2	5 1/2	6 7/8	4 1/2	7.3
4 x 3	5 1/2	8	5	8.5
4	5 1/2	9 1/8	5 1/2	11.0
5 x 4	6	10 13/32	6	13.4
6 x 4	6 1/2	10 1/16	6	14.0
6	7	12 1/2	7	21.0
8 x 4	7 1/2	11 1/2	6 1/2	23.0
8	8 1/2	15 1/2	8 1/2	37.9

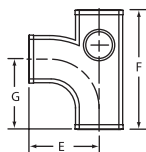
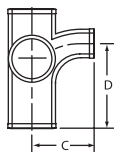


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PART NO. NH 31

Sanitary Tee with 2" 90° Sanitary Opening Above Center (New Orleans Code)

Size	C	D	E	F	G	Weight
3 (L)	4 1/2	6	5	8 1/2	5	6.7
3 (R)	4 1/2	6	5	8 1/2	5	6.3
4 (L)	5	6 1/2	5 1/2	9 3/16	5 1/2	8.6
4 (R)	5	6 1/2	5 1/2	9 3/16	5 1/2	8.5

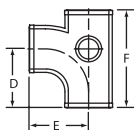


(Right Inlet)

PART NO. NH 32

Sanitary Tee with 2" Side Inlets Right Hand and Left Hand

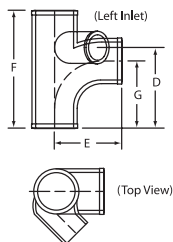
Size	E	F	D	Weight
4 x 4 w/RH & LH	5 9/16	9 1/8	5 1/2	10.9



PART NO. NH 32B

Sanitary Tee with 2" 45° Sanitary Opening Above Center (New Orleans Code)

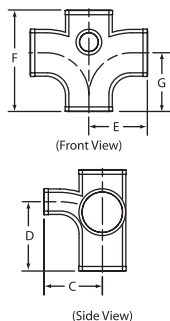
Size	D	E	F	G	Weight
3 (L)	6	5	8½	5	8.2
3 (R)	6	5	8½	5	7.8
3 (R&L)	6	5	8½	5	9.1
4 (L)	6½	5½	9¾	5½	9.6
4 (R)	6½	5½	9¾	5½	9.4



PART NO. NH 33A

Sanitary Cross with 2" 90° Sanitary Openings Above Center (New Orleans Code)

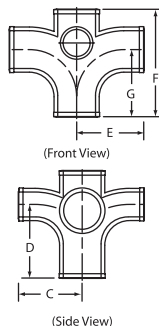
Size	C	D	E	F	G	Weight
4	5	6½	5½	9¾	5½	10.8



PART NO. NH 33C

Sanitary Cross with Two 2" 90° Sanitary Openings Above Center (New Orleans Code)

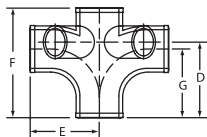
Size	C	D	E	F	G	Weight
3	4½	6	5	8½	5	9.0
4	5	6½	5½	9¾	5½	11.9



PART NO. NH 33F

**Sanitary Cross with Two 2" 45° Sanitary
Openings Same Side
(New Orleans Code)**

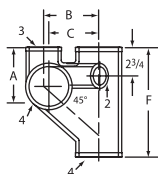
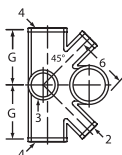
Size	D	E	F	G	Weight
3	6	5	8½	5	9.8
4	5½	5½	9⅛	5½	13.8



PART NO. NH 33G

**Sanitary Cross with 3" Vent and
Two 2" 45° Inlets**

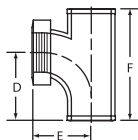
Size	A	B	C	F	G	Weight
4x3x4x2x2	3¾	5¼	4¾	10½	6½	24.0



PART NO. NH 34

Sanitary Tapped Tee

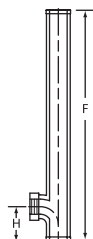
Size	D	E	F	Weight
1½ x 1¼	3¼	2 ⁹ / ₁₆	5 ¹¹ / ₁₆	2.3
1½ x 1½	3¼	2 ⁹ / ₁₆	5 ¹¹ / ₁₆	2.5
2 x 1¼	3¼	2 ¹³ / ₁₆	5 ¹¹ / ₁₆	2.8
2 x 1½	3¼	2 ¹³ / ₁₆	5 ¹¹ / ₁₆	3.1
2 x 2	3¾	3 ¹ / ₁₆	6 ³ / ₈	3.8
3 x 1¼	3¼	3 ⁵ / ₁₆	5 ¹¹ / ₁₆	3.7
3 x 1½	3¼	3 ⁵ / ₁₆	5 ¹¹ / ₁₆	3.6
3 x 2	3¾	3 ⁹ / ₁₆	6 ³ / ₈	4.9
3 x 3	4 ⁷ / ₈	4 ¹ / ₈	8	7.3
4 x 1¼	3¼	3 ¹³ / ₁₆	5 ¹¹ / ₁₆	4.0
4 x 1½	3¼	3¾	5 ¹¹ / ₁₆	4.8
4 x 2	3¾	4 ¹ / ₁₆	6 ³ / ₈	5.8
4 x 3	4½	4 ³ / ₈	8	8.4
5 x 1½	3¾	4 ⁵ / ₁₆	7 ³ / ₁₆	6.5
5 x 2	4¼	4 ⁹ / ₁₆	8	9.3
6 x 1½	3¾	4 ¹³ / ₁₆	6¾	8.4
6 x 2	4¼	5 ¹ / ₁₆	7 ⁷ / ₁₆	9.2



PART NO. EZS 17

2" x 22⁷/₈" Extended Tapped Sanitary Tee

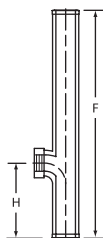
Size	H	F	Weight
2 x 1 ¹ / ₂ x 22 ⁷ / ₈	3 ¹ / ₄	22 ⁷ / ₈	9.6
2 x 2 x 22 ⁷ / ₈	3 ³ / ₄	22 ⁷ / ₈	9.2



PART NO. EZS 27

Sanitary Tapped Tee

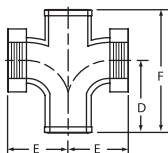
Size	H	F	Weight
2 x 1 ¹ / ₂ x 31	11 ¹ / ₄	31	12.6
2 x 2 x 31	11 ¹ / ₄	31	13.6



PART NO. NH 35

Sanitary Tapped Cross

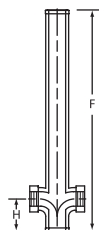
Size	D	E	F	Weight
1 ¹ / ₂ x 1 ¹ / ₂	3 ¹ / ₄	2 ⁹ / ₁₆	5 ¹¹ / ₁₆	3.4
2 x 1 ¹ / ₄	3 ¹ / ₄	2 ¹³ / ₁₆	5 ¹¹ / ₁₆	3.9
2 x 1 ¹ / ₂	3 ¹ / ₄	2 ¹³ / ₁₆	5 ¹¹ / ₁₆	4.0
2 x 2	3 ³ / ₄	3 ¹ / ₁₆	6 ³ / ₈	5.3
3 x 1 ¹ / ₂	3 ¹ / ₄	3 ⁵ / ₁₆	5 ¹¹ / ₁₆	4.3
3 x 2	3 ³ / ₄	3 ⁹ / ₁₆	6 ³ / ₈	6.1
4 x 1 ¹ / ₂	3 ¹ / ₄	3 ³ / ₄	5 ¹¹ / ₁₆	5.5
4 x 2	3 ³ / ₄	4 ¹ / ₁₆	6 ³ / ₈	6.9



PART NO. EZS 18

**2" x 22⁷/₈" Extended Tapped
 Sanitary Cross**

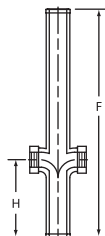
Size	H	F	Weight
2 x 1 ¹ / ₂ x 22 ⁷ / ₈	3 ¹ / ₄	22 ⁷ / ₈	10.0
2 x 2 x 22 ⁷ / ₈	3 ³ / ₄	22 ⁷ / ₈	11.9



PART NO. EZS 28

Sanitary Tapped Cross

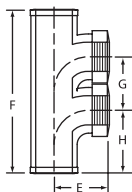
Size	H	F	Weight
2 x 1 ¹ / ₂ x 31	11 ¹ / ₄	31	15.0
2 x 2 x 31	11 ¹ / ₄	31	15.0



PART NO. NH 35B

**Double Vertical Sanitary
 Tapped Tee**

Size	E	F	G	H	Weight
2 x 1 ¹ / ₂	2 ¹³ / ₁₆	9 ³ / ₄	4 ¹ / ₂	3 ¹ / ₄	4.8

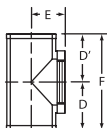


PART NO. NH 36

Test Tee Less Plug

and PART NO. NH 36S

Test Tee with Southern Raised-Head Brass Plug Installed (2" through 8" only)

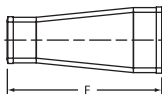


Size	IPS Tap	E	F	D	D'	Weight
2	2	2	6 ³ / ₈	3 ³ / ₁₆	3 ³ / ₁₆	3.0
3	3	2 ¹¹ / ₁₆	7 ³ / ₄	3 ⁷ / ₈	3 ⁷ / ₈	5.8
4	4	3	8 ⁷ / ₈	4 ⁷ / ₁₆	4 ⁷ / ₁₆	9.2
5	5	4 ¹ / ₂	11 ¹ / ₂	5 ³ / ₄	5 ³ / ₄	15.2
6	6	5	12 ¹ / ₂	6 ¹ / ₄	6 ¹ / ₄	22.0
8	8	6	15 ¹ / ₄	7 ⁵ / ₈	7 ⁵ / ₈	37.1
10	10	6 ¹ / ₂	20	10	10	59.7

PART NO. NH 40

Increaser-Reducer

Size	F	Weight
2 x 3	8	3.8
2 x 4	8	4.4
3 x 4	8	5.0



PART NO. NH 40A

Short Reducer

Size	F	Weight
2 x 1½	3⅝	1.1
3 x 1½	3⅝	1.8
3 x 2	3⅝	1.8
4 x 2	3⅝	2.3
4 x 3	3⅝	2.3
5 x 2	4	3.3
5 x 3	4	3.8
5 x 4	4	3.2
6 x 2	4	4.3
6 x 3	4	3.7
6 x 4	4	4.1
6 x 5	4½	4.3
8 x 2	4½	7.0
8 x 3	4½	7.6
8 x 4	4½	7.7
8 x 5	5	7.3
8 x 6	5	8.0
10 x 4	5½	12.5
10 x 6	6	13.3
10 x 8	6	14.9
12 x 4	6½	19.1
12 x 6	6½	18.3
12 x 8	7	17.3
12 x 10	7½	18.9
15 x 4	7	30.0
15 x 6	7	31.8
15 x 8	7	32.2
15 x 10	7½	32.2
15 x 12	7¾	30.5

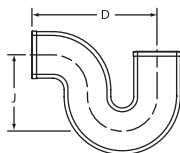


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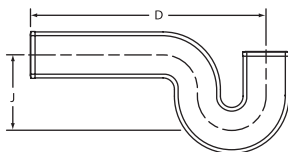
PART NO. NH 42

P-Trap

Size	D	J	Weight
1½	6¾	3½	3.4
2	7½	4	4.7
3	9	5½	8.9
4	10½	6½	17.0
6	14	8½	33.6



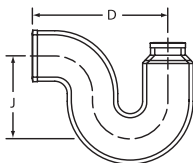
PART NO. NH 42



Long P-Trap

Size	D	J	Weight
2 x 12	12	4	6.1
2 x 18	18	4	8.0

PART NO. NH 42A



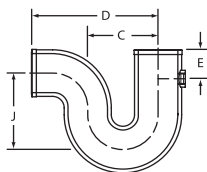
P-Trap, Reducing

Size	D	J	Weight
3 x 2	9	5 1/2	10.0

PART NO. NH 42B

P Trap with 1/2" Tap in Heel

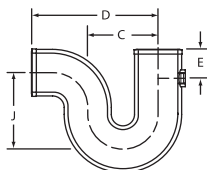
Size	C	D	E	J	Weight
6	8	14	2 3/4	8 1/2	33.6



PART NO. NH 43

P Trap with 1/2" Tap in Heel

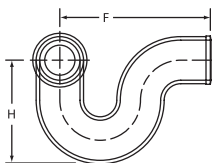
Size	C	D	E	J	Weight
2	4	7 1/2	2	4	4.7
3	5	9	2	5 1/2	10.8
4	6	10 1/2	2	6 1/2	18.8



PART NO. EZS 9

P-Trap with 1 1/2" Tapped Side Inlet

Size	H	F	Weight
2	5 3/16	7 1/2	6.2

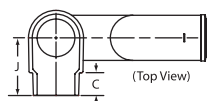


(Illustration Shows Right Hand)

PART NO. EZS 10

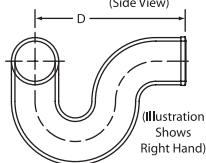
P-Trap with 2" Side Inlet

Size	C	D	J	Weight
2	1 3/16	7 1/2	3 1/16	6.4



(Top View)

(Side View)

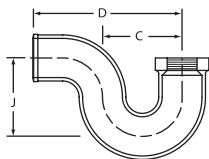


(Illustration Shows Right Hand)

PART NO. NH 44

P-Trap with Tapped Inlet

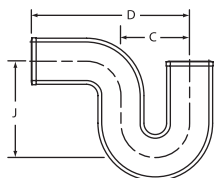
Size	C	D	J	Weight
1 1/2 x 1 1/2	3 1/2	6 3/4	3 1/2	3.0
2 x 1 1/2	4	7 1/2	4	4.5
2 x 2	4	7 1/2	4	5.4



PART NO. NH 44A

Deep Seal P Trap

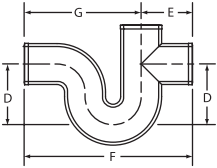
Size	C	D	J	Weight
2	4	7 1/2	7	6.6
3	5	9	7	11.0
4	6	10 1/2	8	18.6



PART NO. NH 45

Running Trap with Vent

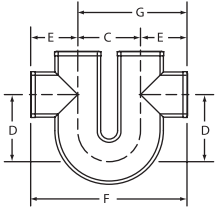
Size	D	E	F	G	Weight
4	6½	4½	15	10½	20.5



PART NO. NH 45A

Running Trap with Double Vent

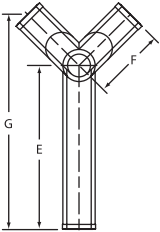
Size	C	D	E	F	G	Weight
4	6	6½	4½	15	10½	21.4



PART NO. EZS 13

45° Vented Tub Wye

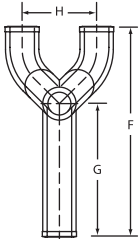
Size	E	F	G	Weight
2	12	5¼	15¾	10.1



PART NO. EZS 38

Vented Tub Wye

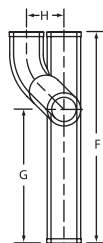
Size	G	H	F	Weight
2	9½	5¼	15	9.4
2	24	5¼	29½	13.7



PART NO. EZS 38 L

Vented Tub Wye Left Hand

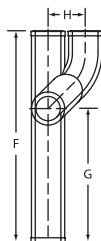
Size	G	H	F	Weight
2	9 ¹ / ₂	3 ³ / ₄	15	10.0



PART NO. EZS 38 R

Vented Tub Wye Right Hand

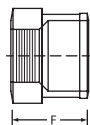
Size	G	H	F	Weight
2	9 ¹ / ₂	3 ³ / ₄	15	9.0



PART NO. NH 48

Tapped Adapters

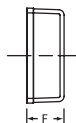
Size	F	IPS Tapping	Weight
1 ¹ / ₂ x 1 ¹ / ₂	2 ⁵ / ₈	1 ¹ / ₂	1.3
2 x 1 ¹ / ₄	2 ³ / ₁₆	1 ¹ / ₄	1.0
2 x 1 ¹ / ₂	2 ³ / ₁₆	1 ¹ / ₂	0.9
2 x 2	2 ⁵ / ₈	2	1.7
3 x 2	2 ³ / ₁₆	2	1.0



PART NO. NH 50

Blind Plug

Size	F	Weight
1½	1¾	0.6
2	1¾	0.7
3	1¾	1.1
4	1¾	2.0
5	1¾	2.9
6	1¾	3.2
8	2¼	6.5
10	3	14.7
12	3½	17.6
15	3½	28.0

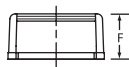


PART NO. NH 52

Tapped Ferrule Less Brass Plug and PART NO. NH 52S

Tapped Ferrule with Southern Raised-Head Brass Plug Installed

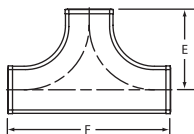
Size	F	IPS	Weight
		Tapping	
2	2 ³ / ₁₆	1½	0.9
3	2 ³ / ₁₆	2½	1.9
4	2 ³ / ₁₆	3½	2.5
5	4½	4	6.5
6	4½	5	8.0
8	4½	6	12.1



PART NO. NH 53

Single Two-Way Cleanout

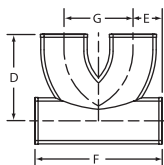
Size	E	F	Weight
4	7½	15	16.0



PART NO. NH 53A

Two-Way Cleanout

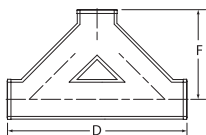
Size	D	E	F	G	Weight
4	8¼	2¾	12	6½	15.0



PART NO. NH 54

Two-Way Baffle Cleanout

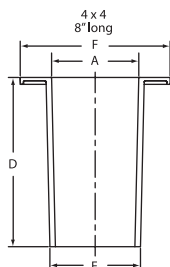
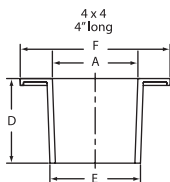
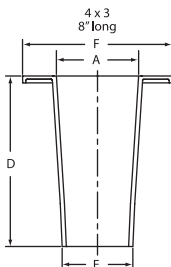
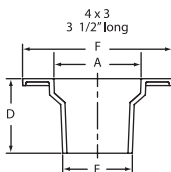
Size	D	F	Weight
3 x 3 x 4	15	9	14.2
4 x 4 x 4	18 ³ / ₈	9 ¹ / ₂	22.0



PART NO. NH 56

Notched and Slotted Closet Collar

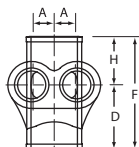
Size	D	E	F	A	Weight
4 x 3	3 ¹ / ₂	3 ³ / ₈	7 ¹ / ₄	4 ⁷ / ₃₂	3.3
4 x 3	8	3 ²⁷ / ₆₄	7 ¹ / ₄	4	6.1
4 x 4	4	4 ³ / ₈	7 ¹ / ₄	4 ⁹ / ₆₄	4.7
4 x 4	8	4 ³ / ₈	7 ¹ / ₄	4 ⁷ / ₃₂	7.0



PART NO. NH 57

Horizontal Twin Tapped Tee

Size	A	D	F	H	Weight
3 x 1 ¹ / ₂	1 ³ / ₈	4	7	3	7.3
4 x 1 ¹ / ₂	1 ³ / ₈	4	7	3	8.0

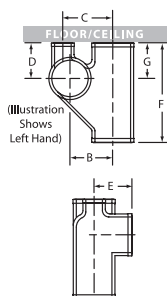


PART NO. NH 457

Vented Closet Tee with 2" Top Vent

(Left or Right; Designed for use below the floor;
Fitting does not require a baffle)

Size	B	C	D	E	F	G	Wt.
4x4x2x4(L)	4 1/4	5 1/4	3 3/4	4	10 1/2	3 3/4	12.1
4x4x2x4(R)	4 1/4	5 1/4	3 3/4	4	10 1/2	3 3/4	11.6



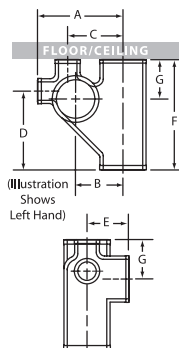
PART NO. NH 458[‡]

Vented Closet Tee

with 2" Top Vent and 2" Side Opening

(Left or Right; Designed for use below the floor;
Fitting does not require a baffle)

Size	A	B	C	D	E	F	G	Wt.
4x4x2x2x4(L)	8 1/8	4 1/4	5 1/4	7 1/2	4	10 1/2	3 3/4	12.3
4x4x2x2x4(R)	8 1/8	4 1/4	5 1/4	7 1/2	4	10 1/2	3 3/4	12.2



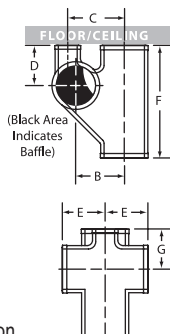
PART NO. NH 463

Vented Closet Cross with 2" Top Vent

(Designed for use below the floor;

Fitting has a baffle)

Size	B	C	D	E	F	G	Wt.
4x4x2x4x4	4 1/4	5 1/4	3 3/4	4	10 1/2	3 3/4	15.0

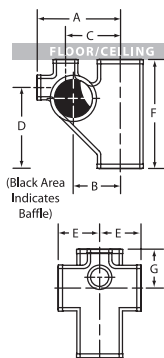


[‡] Additional drawing available in Detail Drawing Section

PART NO. NH 464

**Vented Closet Cross with 2" Top Vent
and 2" Side Opening**
(Designed for use below the floor;
Fitting has a baffle)

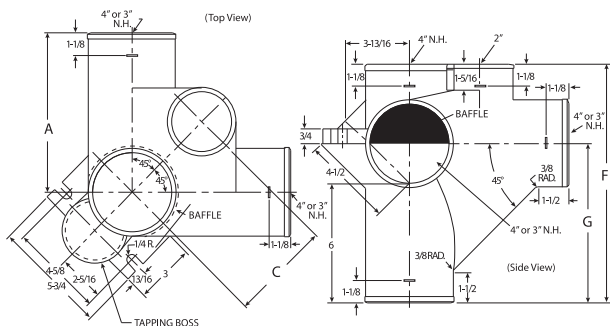
Size	A	B	C	D	E	F	G	Wt.
4x4x2x2x4x4	8 1/8	4 1/4	5 1/4	7 1/2	4	10 1/2	3 3/4	15.6



PART NO. NH 502[†]

4" No Hub Prison Fitting with 2" Top Vent
(Designed for use above the floor; Baffle helps prevent passage of contraband between cells)

Part No.	Size	UPC# 611942-	A	C	F	G	Weight
NH 502	4 Less Tap	00639	8	5 1/4	12	8	20.3
NH 502	4 With Tap	00640	8	5 1/4	12	8	20.8
NH 502	4x3 Less Tap	11119	8	5 1/4	12	8	23.4
NH 502	4x3 With Tap	11120	8	5 1/4	12	8	23.4



‡ Additional drawing available in Detail Drawing Section

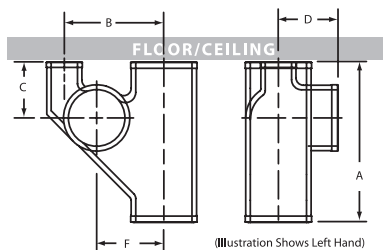
PART NO. EZS 50*

10" Closet Fittings with 2" Inlet

[Double, Left Hand or Right Hand; Designed for use below the floor;

Fitting does not have a baffle]

Part No.	Size	UPC# 611942-	A	B	C	D	F	Weight
EZS 50D***	4	04484	10 ³ / ₄	6 ¹ / ₂	3 ³ / ₄	4	4 ¹ / ₂	15.0
EZS 50L	4	04476	10 ³ / ₄	6 ¹ / ₂	3 ³ / ₄	4	4 ¹ / ₂	12.3
EZS 50R	4	04477	10 ³ / ₄	6 ¹ / ₂	3 ³ / ₄	4	4 ¹ / ₂	12.2



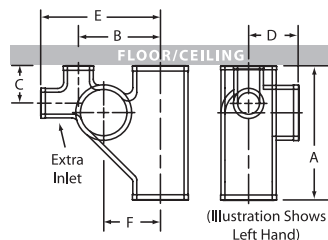
PART NO. EZS 51*

10" Closet Fittings with 2" Inlet and 2" Side Inlet

[Double, Left Hand or Right Hand; Designed for use below the floor;

Fitting does not have a baffle]

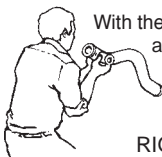
Part No.	Size	UPC# 611942-	A	B	C	D	E	F	Weight
EZS 51D***	4	04424	10 ³ / ₄	6 ¹ / ₂	3	4	9 ¹ / ₂	4 ¹ / ₂	15.0
EZS 51L	4	04425	10 ³ / ₄	6 ¹ / ₂	3	4	9 ¹ / ₂	4 ¹ / ₂	12.8
EZS 51R	4	04473	10 ³ / ₄	6 ¹ / ₂	3	4	9 ¹ / ₂	4 ¹ / ₂	12.6



* When ordering please specify Double, Left or Right.

*** Double closet fitting does not have a baffle.

HOW TO DETERMINE RIGHT or LEFT HAND CROSS-OVER



With the vented end toward you, hold the fitting so that you are looking into its length with the curved side up. If the vent is on your left side, it is a Left Hand fitting. If the vent is on your right side, it is a Right Hand fitting.

RIGHT HAND CROSS-OVER ILLUSTRATED

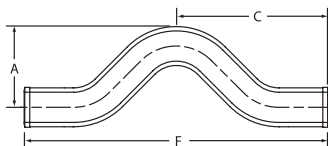
Note: VENT CROSS-OVER
for use with EZS-50 through 800 Series fittings.
Specify Right, Left, Plain or Double.

Note: Our crossovers are designed for use with EZS starter fittings, that is for the vent and stack centerline to be 6½"

PART NO. EZS 7

2" Vent Cross-Over, Plain (No Outlets)

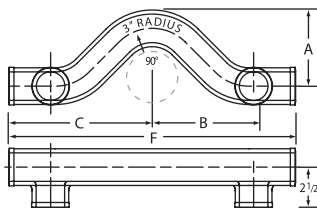
U.P.C. No.	Size	A	C	F	Weight
611942	2 x 18 ³ / ₈	4 ⁷ / ₈	9 ³ / ₁₆	18 ³ / ₈	8.1



PART NO. EZS 7D

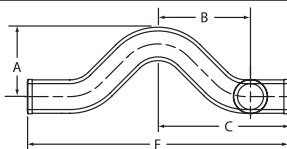
2" Vent Cross-Over, Double (2 Inlets)

U.P.C. No.	Size	A	B	C	F	Weight
611942	2 x 18 ³ / ₈	4 ⁷ / ₈	6 ¹ / ₂	9 ³ / ₁₆	18 ³ / ₈	8.0

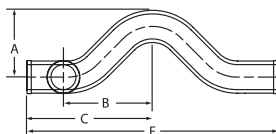


PART NO. EZS 7L
**2" Vent Cross-Over
with Left Hand Inlet**

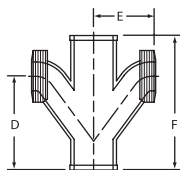
U.P.C. No.	Size	A	B	C	F	Weight
611942						
04431	2 x 18 ³ / ₈	4 ⁷ / ₈	6 ¹ / ₂	9 ³ / ₁₆	18 ³ / ₈	8.2


PART NO. EZS 7R
**2" Vent Cross-Over
with Right Hand Inlet**

U.P.C. No.	Size	A	B	C	F	Weight
611942						
04432	2 x 18 ³ / ₈	4 ⁷ / ₈	6 ¹ / ₂	9 ³ / ₁₆	18 ³ / ₈	8.4


PART NO. EZS 1
Figure One

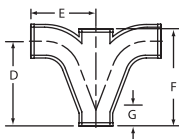
Size	E	F	D	Weight
2 x 1 ¹ / ₂	3 ³ / ₁₆	7	4 ⁷ / ₈	5.3



PART NO. NH 25

Figure Five Double Fixture Fitting

Size	D	E	F	G	Weight
2	6 ¹ / ₂	5	8	1 ¹³ / ₁₆	7.0
3	8 ⁷ / ₈	6 ⁹ / ₁₆	10 ¹ / ₈	2	10.5
3 x 2 x 3 x 3	8 ⁷ / ₈	6 ⁹ / ₁₆	9 ¹ / ₄	2	10.7
4	10 ¹ / ₄	7 ³ / ₄	12	1 ¹⁵ / ₁₆	22.5
4 x 2 x 4 x 4	10 ¹ / ₄	7 ³ / ₄	11 ¹ / ₂	1 ¹⁵ / ₁₆	19.8

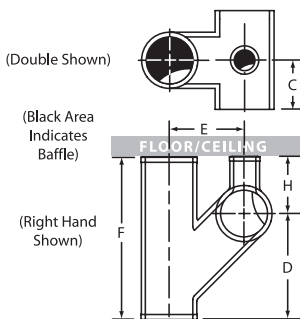


PART NO. EZS 6*

Figure Six

[Double, Left Hand or Right Hand; Designed for use below the floor]

Part No.	Size	C	D	E	F	H	Weight
EZS 6D**	3x2	4 ¹ / ₈	7 ⁹ / ₁₆	5 ¹ / ₁₆	11	3 ⁷ / ₁₆	13.0
EZS 6D**	4x2	4 ¹ / ₂	9	6 ¹ / ₂	13	4	23.1
EZS 6L	3x2	4 ¹ / ₈	7 ⁹ / ₁₆	5 ¹ / ₁₆	11	3 ⁷ / ₁₆	11.4
EZS 6L	4x2	4 ¹ / ₂	9	6 ¹ / ₂	13	4	18.0
EZS 6R	3x2	4 ¹ / ₈	7 ⁹ / ₁₆	5 ¹ / ₁₆	11	3 ⁷ / ₁₆	11.4
EZS 6R	4x2	4 ¹ / ₂	9	6 ¹ / ₂	13	4	18.0



* When ordering please specify Double, Left or Right.

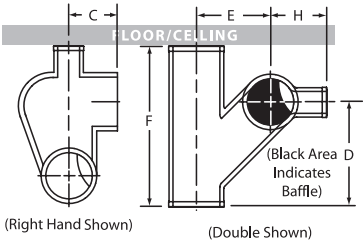
** Double fitting has a baffle.

PART NO. EZS 8*

Figure Eight

(Double, Left Hand or Right Hand; Designed for use below the floor)

Part No.	Size	C	D	E	F	H	Weight
EZS 8D**	3x2	4 1/8	7 9/16	5 1/16	11	3 7/16	13.0
EZS 8L	3x2	4 1/8	7 9/16	5 1/16	11	3 7/16	12.5
EZS 8L	4x2	4 1/2	9	6 1/2	13	4	19.8
EZS 8R	3x2	4 1/8	7 9/16	5 1/16	11	3 7/16	12.5
EZS 8R	4x2	4 1/2	9	6 1/2	13	4	19.8

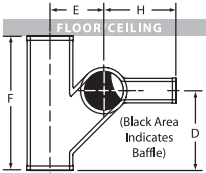


PART NO. EZS 8A

**Figure Eight Double Fixture
Fitting, Extended****

(Designed for Use Below the Floor)

Size	D	E	F	H	Weight
4 x 2	9	6 1/2	13	8	23.4



* When ordering please specify Double, Left or Right.

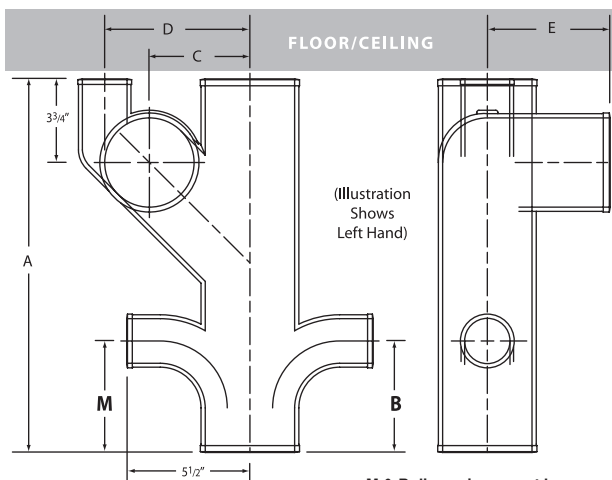
** Double fitting has a baffle.

PART NO. EZS 100*

16" Closet Fittings with 2" Inlets

(Double, Left Hand or Right Hand; Designed for use below the floor)

Part No.	Size	A	B	C	D	E	M	Weight
EZS 100D	4x16	16 ³ / ₄	5	4 ¹ / ₂	6 ¹ / ₂	5 ¹ / ₂	5	22.0
EZS 100L	4x16	16 ³ / ₄	5	4 ¹ / ₂	6 ¹ / ₂	5 ¹ / ₂	5	20.0
EZS 100R	4x16	16 ³ / ₄	5	4 ¹ / ₂	6 ¹ / ₂	5 ¹ / ₂	5	21.1

N
O
-
H
U
B

M & B dimensions must be measured from the bottom of the fitting.

* When ordering please specify Double, Left or Right.

PART NO. EZS 400**
30" Closet Fittings with 2" Inlet
(Double, Left Hand or Right Hand; Designed for use in the floor)

Part No.	Size	A	B	C	D	E	M	Weight
EZS 400L	4x30	30	0	4½	6½	5½	0	34.0
EZS 400L	4x30	30	6½	4½	6½	5½	0	34.2
EZS 400L	4x30	30	12	4½	6½	5½	0	37.8
EZS 400L	4x30	30	26½	4½	6½	5½	0	34.3
EZS 400L	4x30	30	0	4½	6½	5½	4	34.0
EZS 400L	4x30	30	26½	4½	6½	5½	4	34.0
EZS 400L	4x30	30	0	4½	6½	5½	6½	33.1
EZS 400L	4x30	30	6½	4½	6½	5½	6½	34.0
EZS 400L	4x30	30	26½	4½	6½	5½	6½	36.8
EZS 400L	4x30	30	0	4½	6½	5½	12	31.0
EZS 400L	4x30	30	26½	4½	6½	5½	12	30.0
EZS 400R	4x30	30	0	4½	6½	5½	0	32.9
EZS 400R	4x30	30	6½	4½	6½	5½	0	34.5
EZS 400R	4x30	30	12	4½	6½	5½	0	37.1
EZS 400R	4x30	30	26½	4½	6½	5½	0	33.8
EZS 400R	4x30	30	0	4½	6½	5½	4	34.0
EZS 400R	4x30	30	26½	4½	6½	5½	4	28.9
EZS 400R	4x30	30	0	4½	6½	5½	6½	33.9
EZS 400R	4x30	30	6½	4½	6½	5½	6½	35.4
EZS 400R	4x30	30	26½	4½	6½	5½	6½	35.4
EZS 400R	4x30	30	0	4½	6½	5½	12	31.0
EZS 400R	4x30	30	26½	4½	6½	5½	12	28.5

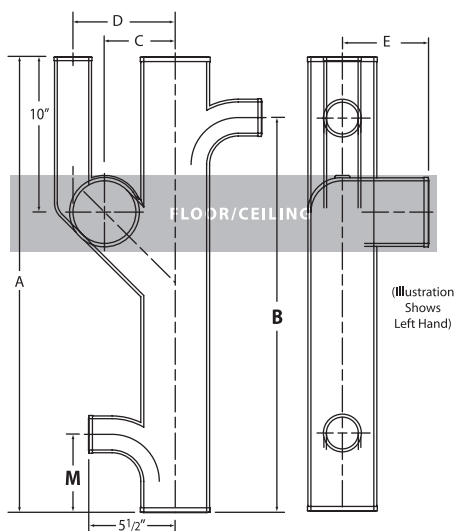
(EZS 400 is continued on the following page.)

* When ordering please specify Double, Left or Right.

† Additional drawing available in Detail Drawing Section

PART NO. EZS 400, continued

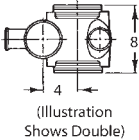
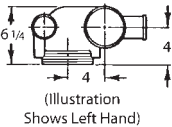
Part No.	Size	A	B	C	D	E	M	Weight
EZS 400D	4x30	30	0	4½	6½	5½	0	29.3
EZS 400D	4x30	30	6½	4½	6½	5½	0	36.4
EZS 400D	4x30	30	12	4½	6½	5½	0	39.6
EZS 400D	4x30	30	0	4½	6½	5½	4	38.0
EZS 400D	4x30	30	0	4½	6½	5½	6½	35.6
EZS 400D	4x30	30	26½	4½	6½	5½	6½	38.9
EZS 400D	4x30	30	0	4½	6½	5½	12	35.7
EZS 400D	4x30	30	26½	4½	6½	5½	12	38.0



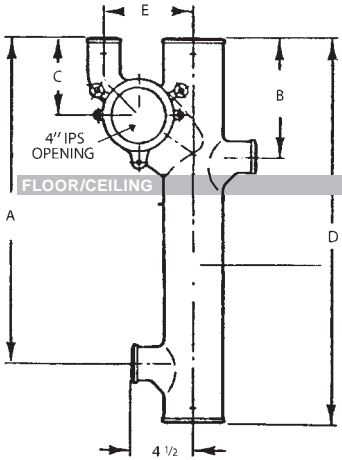
PART NO. EZS 700**‡

Threaded Starter Fitting with or without No-Hub Inlets
(Double, Left Hand or Right Hand; Designed for use above the floor with
back-outlet water closets; Double Starter fittings have a baffle)

Part No.	Size	A	B	C	D	E	Weight
EZS 700D**	4x28	0	0	5½	28	6½	40.0
EZS 700D**	4x28	0	8½	5½	28	6½	42.0
EZS 700D**	4x28	23½	8½	5½	28	6½	42.0
EZS 700L	4x28	0	0	5½	28	6½	34.6
EZS 700L	4x28	0	8½	5½	28	6½	35.7
EZS 700L	4x28	14	8½	5½	28	6½	36.3
EZS 700L	4x28	23½	8½	5½	28	6½	32.0
EZS 700R	4x28	0	0	5½	28	6½	30.0
EZS 700R	4x28	0	8½	5½	28	6½	34.0
EZS 700R	4x28	14	8½	5½	28	6½	35.3
EZS 700R	4x28	23½	8½	5½	28	6½	32.0



A & B Dimensions must be measured from the top of the fitting.



* When ordering please specify Double, Left or Right.

** Double starter fittings have a baffle.

Note: Trim package not included in price of fitting

“O” dimension denotes the absence of the designated inlet.

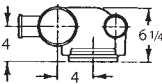
‡ Additional drawing available in Detail Drawing Section

2" inlets available

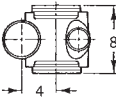
PART NO. EZS 800*†

Threaded Starter Fitting with or without No-Hub Inlets
(Double, Left Hand or Right Hand; Designed for use above the floor with
back-outlet water closets; Double starter fittings have a baffle)

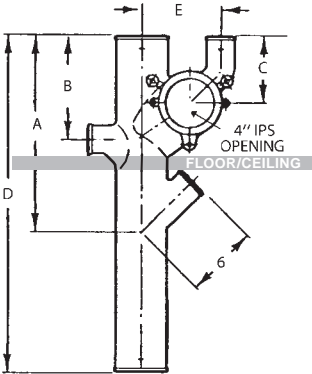
Part No.	Size	A	B	C	D	E	Weight
EZS 800D**	4x28	16	0	5½	28	6½	42.0
EZS 800D**	4x28	16	8½	5½	28	6½	42.0
EZS 800L	4x28	16	0	5½	28	6½	35.4
EZS 800L	4x28	16	8½	5½	28	6½	36.3
EZS 800R	4x28	16	0	5½	28	6½	35.6
EZS 800R	4x28	16	8½	5½	28	6½	35.3



(Illustration
Shows Right Hand)



(Illustration
Shows Double)



2" inlets available

A & B Dimensions must be
measured from the top
of the fitting.

* When ordering please specify Double, Left or Right.

** Double starter fittings have a baffle.

Note: Trim package not included in price of fitting

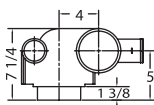
“O” dimension denotes the absence of the designated inlet.

† Additional drawing available in Detail Drawing Section

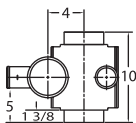
PART NO. EZS 710*

No-Hub Starter Fitting with or without 2" No-Hub Inlets
(Double, Left Hand or Right Hand; Designed for use above the floor with back-outlet water closets; Double starter fittings have a baffle)

Part No.	Size	A	B	C	D	E	Weight
EZS 710D**	4x28	0	0	5½	28	4	43.0
EZS 710D**	4x28	0	8½	5½	28	4	43.0
EZS 710D**	4x28	23½	8½	5½	28	4	43.0
EZS 710L	4x28	0	0	5½	28	4	36.6
EZS 710L	4x28	0	8½	5½	28	4	36.6
EZS 710L	4x28	14	8½	5½	28	4	36.6
EZS 710L	4x28	23½	8½	5½	28	4	36.6
EZS 710R	4x28	0	0	5½	28	4	36.6
EZS 710R	4x28	0	8½	5½	28	4	36.6
EZS 710R	4x28	14	8½	5½	28	4	36.6
EZS 710R	4x28	23½	8½	5½	28	4	36.6

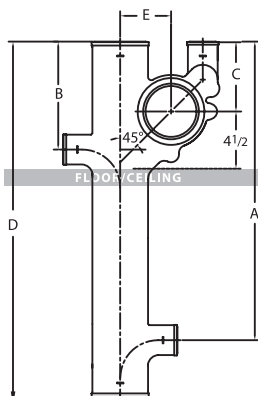


(Illustration Shows Left Hand)



(Illustration Shows Double)

A & B Dimensions must be measured from the top of the fitting.



2" inlets available

* When ordering please specify Double, Left or Right.

** Double starter fittings have a baffle.

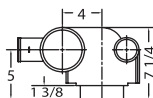
Note: Not designed for use with trim package

“O” dimension denotes the absence of the designated inlet.

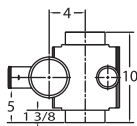
PART NO. EZS 810*

No-Hub Starter Fitting with or without 2" No-Hub Inlets
 (Double, Left Hand or Right Hand; Designed for use above the floor with back-outlet water closets; Double starter fittings have a baffle)

Part No.	Size	A	B	C	D	E	Weight
EZS 810D**	4x28	16	0	5½	28	6½	43.0
EZS 810D**	4x28	16	8½	5½	28	6½	43.0
EZS 810L	4x28	16	0	5½	28	6½	36.6
EZS 810L	4x28	16	8½	5½	28	6½	36.6
EZS 810R	4x28	16	0	5½	28	6½	36.6
EZS 810R	4x28	16	8½	5½	28	6½	36.6

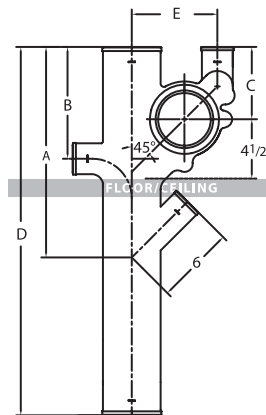


(Illustration Shows Right Hand)



(Illustration Shows Double)

A & B Dimensions must be measured from the top of the fitting.



2" inlets available

* When ordering please specify Double, Left or Right.

** Double starter fittings have a baffle.

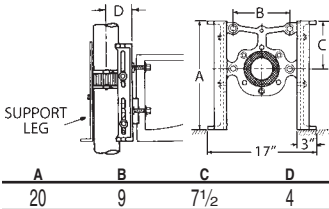
Note: Not designed for use with trim package

"O" dimension denotes the absence of the designated inlet.

MOUNTING HARDWARE

PART NO. EZS 22

Trim Package, Support Frame Assembly

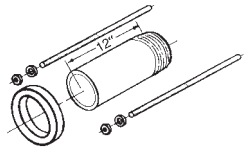


- 1—FRAME
- 1—LEFT LEG
- 1—RIGHT LEG
- 1—SUPPORT LEG (used for single only)
- 5—1/2" x 1 1/4" BOLTS
- 5—1/2" FLAT WASHERS

PART NO. EZS 23

Trim Package, Floor-Mounted Back-Outlet Assembly

(Note: Not to be used with PART NO. EZS 22 Support Frame Assembly)

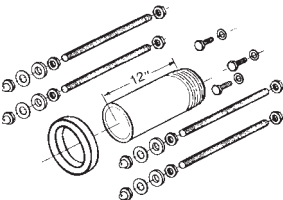


- 1—4" PVC Sch. 80 NIPPLE with TEST CAP
- 1—BOWL GASKET
- 2—5/16" x 12" RODS
- 2—5/16" HEX NUTS
- 2—5/16" FLAT WASHERS
- 2—5/16" CAP NUTS

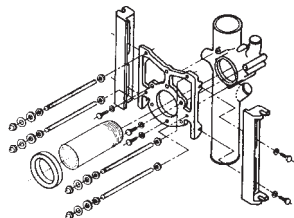
PART NO. EZS 24

Trim Package, Wall-Hung Back-Outlet Assembly

(Note: To be used with PART NO. EZS 22 Support Frame Assembly)

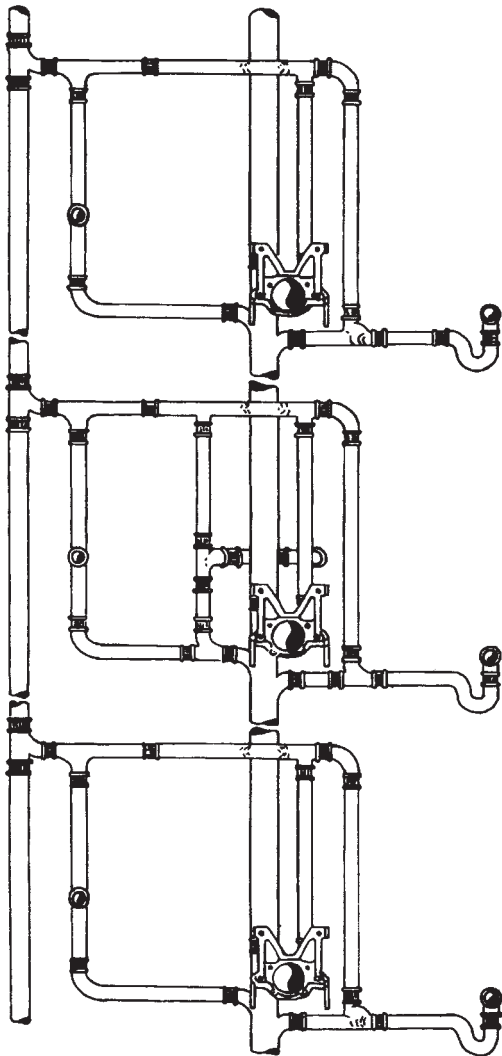


Exploded View of Support Assembly Hardware



EZS 22 and EZS 24 Assemblies Illustrated

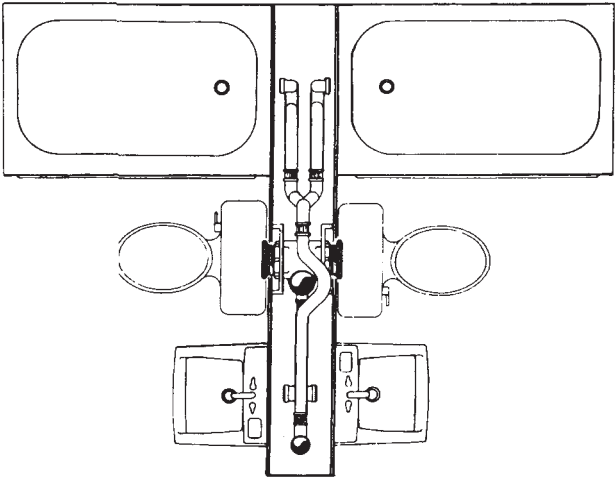
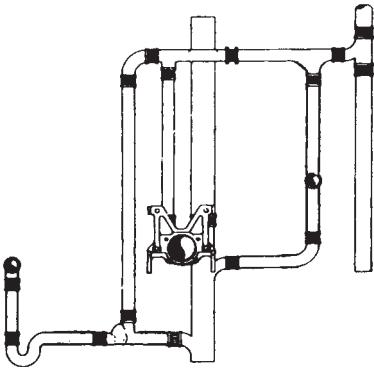
TYPICAL HIGH-RISE BUILDING INSTALLATION



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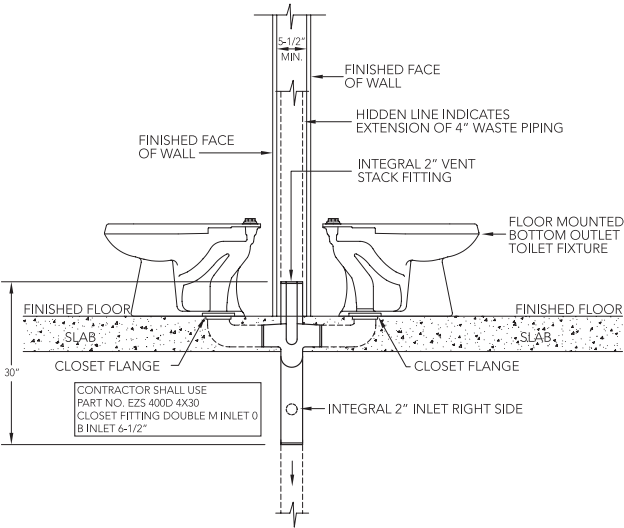
TYPICAL BACK-TO-BACK INSTALLATION

Typical installation shows back-to-back water closets and back-outlet tubs. This system can be changed to use floor-mounted back-outlet water closets and bottom-outlet tubs.



PART NO. EZS 400D

**Charlotte Pipe Starter Fitting
4x30 Closet Fitting Double - M Inlet 0; B Inlet 6 1/2"**

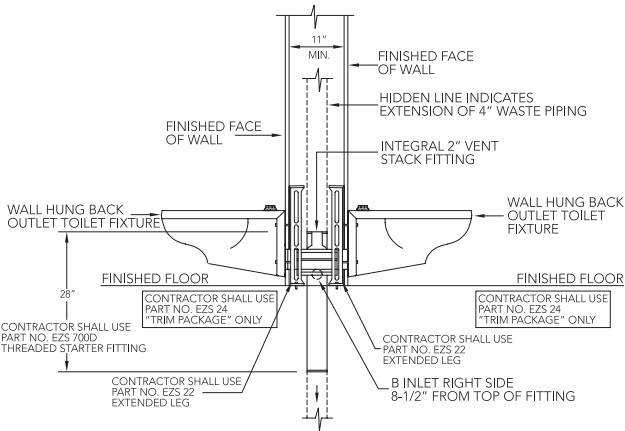


DOUBLE FITTING IN-SLAB - LEFT SIDE ELEVATION

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PART NO. EZS 700D

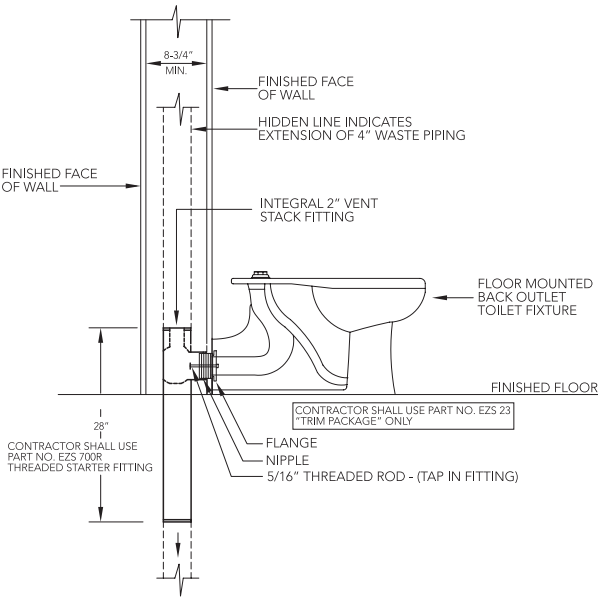
**Charlotte Pipe Starter Fitting
4x28 Threaded Double - A Inlet 0; B Inlet 8 1/2"
with EZS 22 Support Frame and EZS 24 Trim Package**



DOUBLE FITTING - LEFT SIDE ELEVATION

PART NO. EZS 700R

**Charlotte Pipe Starter Fitting
4x28 Threaded Right Hand - A Inlet 0; B Inlet 0
with EZS 23 Trim Package**

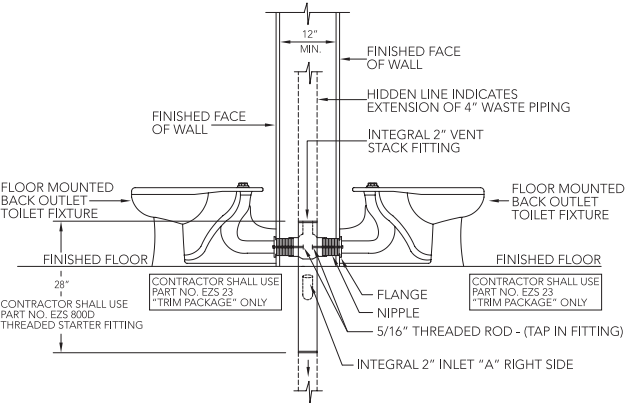


RIGHT HAND FITTING - LEFT SIDE ELEVATION

DETAIL
DRAWINGS

PART NO. EZS 800D

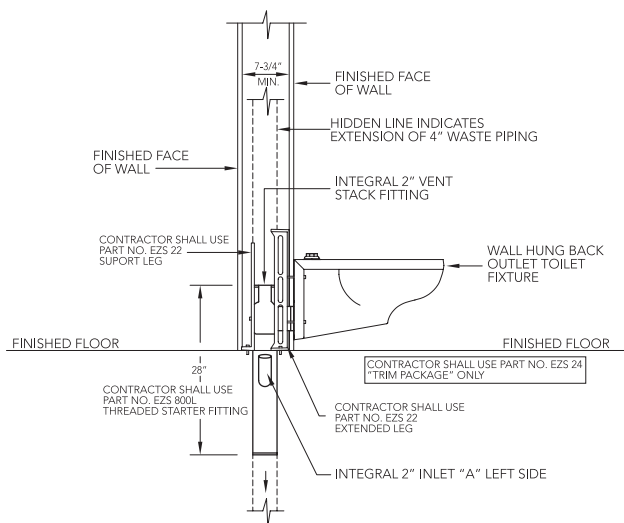
**Charlotte Pipe Starter Fitting
4x28 Threaded Double - A Inlet 16; B Inlet 0
with EZS 23 Trim Package**



DOUBLE FITTING - LEFT SIDE ELEVATION

PART NO. EZS 800L

Charlotte Pipe Starter Fitting
4x28 Threaded Left Hand - A Inlet 16; B Inlet 0
with EZS 22 Support Frame and EZS 24 Trim Package

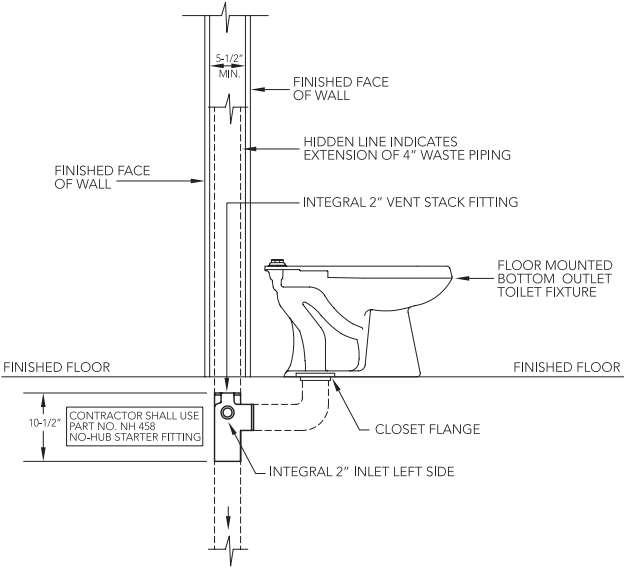

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LEFT HAND FITTING - LEFT SIDE ELEVATION

PART NO. NH 458

**Charlotte Pipe Starter Fitting
4x4x2x2x4 Vented Closet Tee, Left Hand,
with 2" Top Vent and 2" Side Inlet**



SINGLE FITTING LEFT HAND UNDER-SLAB - LEFT SIDE ELEVATION

CHARLOTTE

PIPE AND FOUNDRY COMPANY®

This is to verify that products manufactured by Charlotte Pipe and Foundry, Cast Iron Division, are manufactured in the United States and conform to the following standards:

SERVICE HUB AND SPIGOT PIPE AND FITTINGS

All cast iron soil pipe and fittings shall be marked with the collective trademark of the Cast Iron Soil Pipe Institute (CISPI).

ASTM A 74

Listed by NSF® International to the UP Code

ISO 9001:2015 Certified

EXTRA HEAVY HUB AND SPIGOT PIPE AND FITTINGS

All cast iron soil pipe and fittings shall be marked with the collective trademark of the Cast Iron Soil Pipe Institute (CISPI).

ASTM A 74

Listed by NSF® International to the UP Code

ISO 9001:2015 Certified

HUBLESS PIPE AND FITTINGS

All cast iron soil pipe and fittings shall be marked with the collective trademark of the Cast Iron Soil Pipe Institute (CISPI).

CISPI Standard 301

ASTM A 888

Listed by NSF® International to the UP Code

ISO 9001:2015 Certified

HUBLESS COUPLINGS

CISPI Standard 310

ASTM C 1277

Certified by NSF® International

HUBLESS HEAVY DUTY COUPLINGS

Meets ASTM C 1540

COMPRESSION GASKETS

ASTM C 564

CISPI HSN 85



LIMITED WARRANTY

Charlotte Pipe and Foundry Company® (Charlotte Pipe®) Products are warranted to be free from manufacturing defects and to conform to currently applicable ASTM standards for a period of five (5) years from date of delivery. Buyer's remedy for breach of this warranty is limited to replacement of, or credit for, the defective product. This warranty excludes any expense for removal or reinstallation of any defective product and any other incidental, consequential, or punitive damages. **This limited warranty is the only warranty made by seller and is expressly in lieu of all other warranties, express and implied, including any warranties of merchantability and fitness for a particular purpose.** No statement, conduct or description by Charlotte Pipe or its representative, in addition to or beyond this Limited Warranty, shall constitute a warranty. This Limited Warranty may only be modified in writing signed by an officer of Charlotte Pipe.

This Limited Warranty will not apply if:

- 1) The Products are used for purposes other than their intended purpose as defined by local plumbing and building codes, and the applicable ASTM standard.
- 2) The Products are not installed in good and workmanlike manner consistent with normal industry standards; installed in compliance with the latest instructions published by Charlotte Pipe and good plumbing practices; and installed in conformance with all applicable plumbing, fire and building code requirements.
- 3) This limited warranty does not apply when the products of Charlotte Pipe are used with the products of other manufacturers that do not meet the applicable ASTM or CISPI standards or that are not marked in a manner to indicate the entity that manufactured them.
- 4) In hubless cast iron installations, this warranty will not apply if products are joined with unshielded hubless couplings. Charlotte Pipe requires that its hubless cast iron pipe and fittings be joined only with shielded hubless couplings manufactured in accordance with CISPI 310, ASTM C 1277 and certified by NSF® International or with Heavy Duty Couplings meeting ASTM C 1540.
- 5) The Products fail due to defects or deficiencies in design, engineering, or installation of the piping system of which they are a part.
- 6) The Products have been the subject of modification; misuse; misapplication; improper maintenance or repair; damage caused by the fault or negligence of anyone other than Charlotte Pipe; or any other act or event beyond the control of Charlotte Pipe.
- 7) The Products fail due to the freezing of water in the Products.
- 8) The Products fail due to contact with chemical agents, fire stopping materials, thread sealant, plasticized vinyl products, or other aggressive chemical agents that are not compatible.
- 9) Pipe outlets, sound attenuation systems or other devices are permanently attached to the surface of Charlotte® PVC, ABS or CPVC products with solvent cement or adhesive glue.

Charlotte Pipe products are manufactured to the applicable ASTM or CISPI standard. Charlotte Pipe and Foundry **cannot** accept responsibility for the performance, dimensional accuracy, or compatibility of pipe, fittings, gaskets, or couplings not manufactured or sold by Charlotte Pipe and Foundry.

Any Charlotte Pipe products alleged to be defective **must** be made available to Charlotte Pipe at the following address for verification, inspection and determination of cause:

Charlotte Pipe and Foundry Company
Attention: Technical Services
2109 Randolph Road
Charlotte, North Carolina 28207

Purchaser must obtain a return materials authorization and instructions for return shipment to Charlotte Pipe of any product claimed defective or shipped in error.

Any Charlotte Pipe product **proved** to be defective in manufacture will be replaced F.O.B. point of original delivery, or credit will be issued, at the discretion of Charlotte Pipe.

4/24/15

WARNING

Testing with or use of compressed air or gas in PVC / ABS / CPVC / Cast Iron pipe or fittings can result in explosive failures and cause severe injury or death.

AIR/GAS



- NEVER test with or transport/store compressed air or gas in PVC / ABS / CPVC / Cast Iron pipe or fittings.
- NEVER test PVC / ABS / CPVC / Cast Iron pipe or fittings with compressed air or gas, or air over water boosters.
- ONLY use PVC / ABS / CPVC / Cast Iron pipe or fittings for water or approved chemicals.
- Refer to warnings on PPFA's website and ASTM D 1785.

Charlotte and Charlotte Pipe are registered trademarks of Charlotte Pipe and Foundry Company.