

Grooved End Fittings



Shurjoint ductile iron grooved-end fittings are made of ductile iron per ASTM A536 Gr. 65-45-12. C-E dimensions are manufacturer's standard.

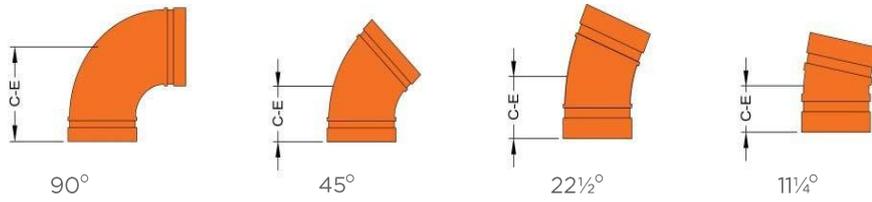
Shurjoint wrought steel grooved-end fittings are available from 10" (250 mm) through 24" (600 mm) pipe sizes in a variety of styles. Fittings are fabricated with the carbon steel pipe to ASTM A234 Gr. WPB, standard weight (0.375" or 9.5 mm), or segmentally welded carbon steel of the same or equivalent grade. C-E dimensions conform to ANSI B16.9. Other styles not listed are available upon request.

Shurjoint cast fitting pressure ratings are equivalent to the pressure ratings (with Schedule 40 pipe) of the coupling used to install them. When installed on Shurjoint wrought fittings, the Shurjoint coupling pressure ratings are dependent on the pipe/fitting wall thickness.

For pressure rating, listing, and approval information, visit SHURJOINT website, www.shurjoint.com for details or contact your SHURJOINT Representative

material specification

- Fitting Body:
 - Ductile Iron castings to ASTM A536, Gr. 65-45-12, min. tensile strength 65,000 psi (448 MPa).
 - Fabricated with the carbon steel pipe to ASTM A234 Gr. WPB, standard weight (0.375" or 9.5 mm), or segmentally welded carbon steel of the same or equivalent grade.
- Surface Finish:
 - Orange color painted or red RAL3000 color painted.
 - Hot dip galvanized (optional).
 - Epoxy coated in red RAL3000 or other colors (optional)
 - Black matte epoxy topcoat over HDG coating.



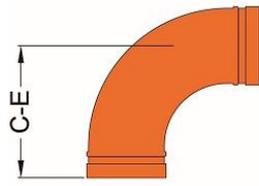
MODEL 7110 / 7111 / 7112 / 7113 ELBOWS

| Normal Size | Pipe O.D. | #7110 90° Elbows | | #7111 45° Elbows | | #7112 22.5° Elbows | | #7113 11.25° Elbows | |
|-------------|-----------|------------------|--------|------------------|--------|--------------------|--------|---------------------|--------|
| | | C-E | weight | C-E | weight | C-E | weight | C-E | weight |
| in | in | in | lbs | in | lbs | in | lbs | in | lbs |
| mm | mm | mm | kg | mm | kg | mm | kg | mm | kg |
| 1 | 1.315 | 2.25 | 0.7 | 1.75 | 0.5 | -- | -- | 1.38 | 0.4 |
| 25 | 33.4 | 57 | 0.3 | 45 | 0.2 | -- | -- | 35 | 0.2 |
| 1¼ | 1.660 | 2.75 | 1.1 | 1.75 | 0.7 | 1.75 | 0.7 | 1.38 | 0.7 |
| 32 | 42.2 | 70 | 0.5 | 45 | 0.3 | 45 | 0.3 | 35 | 0.3 |
| 1½ | 1.900 | 2.75 | 1.3 | 1.75 | 0.9 | 1.75 | 1.1 | 1.38 | 0.7 |
| 40 | 48.3 | 70 | 0.6 | 45 | 0.4 | 45 | 0.5 | 35 | 0.3 |
| 2 | 2.375 | 3.25 | 2.0 | 2.00 | 1.5 | 1.88 | 1.6 | 1.38 | 1.0 |
| 50 | 60.3 | 83 | 0.9 | 51 | 0.7 | 48 | 0.7 | 35 | 0.4 |
| 2½ | 2.875 | 3.75 | 2.6 | 2.25 | 2.1 | 2.01 | 2.6 | 1.50 | 1.6 |
| 65 | 73.0 | 95 | 1.2 | 57 | 0.9 | 51 | 1.2 | 38 | 0.7 |
| 76.1 | 3.000 | 3.75 | 3.1 | 2.25 | 2.1 | 2.01 | 2.5 | 1.50 | 1.7 |
| | 76.1 | 95 | 1.4 | 57 | 0.9 | 51 | 1.1 | 38 | 0.8 |
| 3 | 3.500 | 4.25 | 4.3 | 2.50 | 2.9 | 2.25 | 3.1 | 1.50 | 1.8 |
| 80 | 88.9 | 108 | 2.0 | 64 | 1.3 | 57 | 1.4 | 38 | 0.8 |
| 101.6 | 4.000 | 4.50 | 5.5 | -- | -- | -- | -- | -- | -- |
| | 101.6 | 114 | 2.5 | -- | -- | -- | -- | -- | -- |
| 108.0 | 4.250 | 5.00 | 5.5 | 3.00 | 4.4 | -- | -- | -- | -- |
| | 108.0 | 127 | 2.5 | 76 | 2.0 | -- | -- | -- | -- |
| 4 | 4.500 | 5.00 | 6.9 | 3.00 | 4.4 | 2.88 | 4.4 | 1.75 | 2.2 |
| 100 | 114.3 | 127 | 3.1 | 76 | 2.0 | 73 | 2.0 | 45 | 1.0 |
| 133.0 | 5.250 | 5.50 | 9.0 | 3.25 | 5.9 | -- | -- | -- | -- |
| | 133.0 | 140 | 4.1 | 83 | 2.7 | -- | -- | -- | -- |
| 139.7 | 5.500 | 5.50 | 9.5 | 3.25 | 6.4 | 2.88 | 6.5 | 2.00 | 4.5 |
| | 139.7 | 140 | 4.3 | 83 | 2.9 | 73 | 2.9 | 51 | 2.0 |
| 5 | 5.563 | 5.50 | 11.0 | 3.25 | 6.6 | 2.88 | 6.8 | 2.00 | 4.5 |
| 125 | 141.3 | 140 | 5.0 | 83 | 3.0 | 73 | 3.1 | 51 | 2.1 |

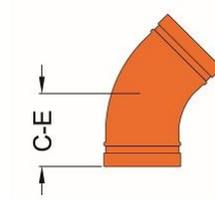
Grooved End Fittings
Rev. 2024.216

MODEL 7110 / 7111 / 7112 / 7113 ELBOWS

| Normal Size | Pipe O.D. | #7110 90° Elbows | | #7111 45° Elbows | | #7112 22.5° Elbows | | #7113 11.25° Elbows | |
|-------------|-----------|------------------|--------|------------------|--------|--------------------|--------|---------------------|--------|
| | | C-E | weight | C-E | weight | C-E | weight | C-E | weight |
| in | in | in | lbs | in | lbs | in | lbs | in | lbs |
| mm | mm | mm | kg | mm | kg | mm | kg | mm | kg |
| 159.0 | 6.250 | 6.50 | 13.2 | 3.50 | 8.4 | -- | -- | -- | -- |
| | 159.0 | 165 | 6.0 | 89 | 3.8 | -- | -- | -- | -- |
| 165.1 | 6.500 | 6.50 | 12.5 | 3.50 | 8.9 | 3.12 | 10.7 | 2.00 | 5.5 |
| | 165.1 | 165 | 5.7 | 89 | 4.0 | 79 | 4.9 | 51 | 2.5 |
| 6 | 6.625 | 6.50 | 12.8 | 3.50 | 8.9 | 3.12 | 9.3 | 2.00 | 5.5 |
| 150 | 168.3 | 165 | 5.8 | 89 | 4.0 | 79 | 4.2 | 51 | 2.5 |
| 8 | 8.625 | 7.75 | 28.7 | 4.25 | 19.0 | 3.88 | 17.8 | 2.00 | 10.1 |
| 200 | 219.1 | 197 | 13.0 | 108 | 8.6 | 98 | 8.1 | 51 | 4.6 |
| 10 | 10.750 | 9.00 | 53.1 | 4.75 | 34.2 | 4.38 | 39.0 | 2.13 | 22.1 |
| 250 | 273.0 | 229 | 24.1 | 121 | 15.5 | 111 | 17.7 | 54 | 10.0 |
| 12 | 12.750 | 10.00 | 81.0 | 5.25 | 49.5 | 4.88 | 43.0 | 2.25 | 27.3 |
| 300 | 323.9 | 254 | 36.7 | 133 | 22.5 | 124 | 19.5 | 57 | 12.4 |
| 200 JIS | 8.516 | 7.75 | 27.2 | 4.25 | 18.5 | 3.88 | 13.9 | 2.00 | 9.3 |
| | 216.3 | 197 | 12.4 | 108 | 8.4 | 98 | 6.3 | 51 | 4.2 |
| 250 JIS | 10.528 | 9.00 | 52.8 | 4.75 | 34.2 | 4.38 | 22.5 | 2.13 | 22.1 |
| | 267.4 | 229 | 24.0 | 121 | 15.5 | 111 | 10.2 | 54 | 10.0 |
| 300 JIS | 12.539 | 10.00 | 77.0 | 5.25 | 49.5 | 4.88 | 33.7 | 2.25 | 27.3 |
| | 318.5 | 254 | 35.0 | 133 | 22.5 | 124 | 15.3 | 57 | 12.4 |
| 14 | 14.000 | 11.00 | 77.5 | 6.00 | 48.4 | -- | -- | -- | -- |
| 350 | 355.6 | 280 | 35.2 | 152 | 22.0 | -- | -- | -- | -- |
| 16 | 16.000 | 12.00 | 94.6 | 7.25 | 96.8 | -- | -- | -- | -- |
| 400 | 406.4 | 305 | 43.0 | 184 | 44.0 | -- | -- | -- | -- |



7110LR



7111LR

Models 7110LR / 7111LR

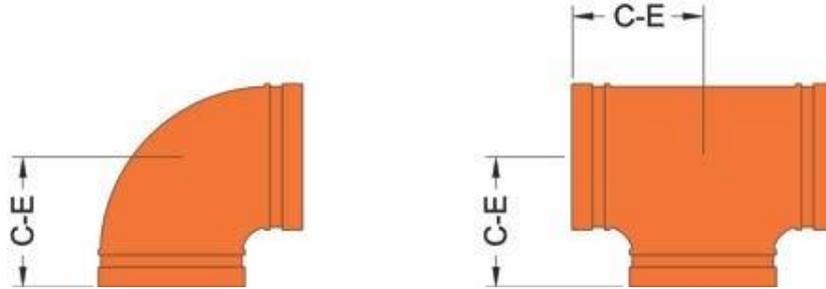
| Nominal Size | Pipe O.D. | #7110LR 1.5D LR 90° Elbows | | #7111LR 1.5D LR 45° Elbows | |
|--------------|-----------|-------------------------------|--------|-------------------------------|--------|
| | | C - E | Weight | C-LE | Weight |
| in | in | in | lbs | in | lbs |
| mm | mm | mm | kg | mm | kg |
| 2 | 2.375 | 4.38 | 2.4 | 2.75 | 1.8 |
| 50 | 60.3 | 111 | 1.1 | 70 | 0.8 |
| 2½ | 2.875 | 5.00 | 4.0 | 3.00 | 3.1 |
| 65 | 73.0 | 127 | 1.8 | 76 | 1.4 |
| 76.1 | 3.000 | 5.00 | 4.0 | 3.00 | 3.2 |
| | 76.1 | 127 | 1.8 | 76 | 1.5 |
| 3 | 3.500 | 5.88 | 5.8 | 3.38 | 4.0 |
| 80 | 88.9 | 149 | 2.6 | 86 | 1.8 |
| 4 | 4.500 | 7.50 | 10.3 | 4.00 | 7.7 |
| 100 | 114.3 | 191 | 4.7 | 102 | 3.5 |
| 139.7 | 5.500 | 9.50 | 18.1 | 5.00 | 10.1 |
| | 139.7 | 241 | 8.2 | 127 | 4.6 |
| 5 | 5.563 | 9.50 | 18.1 | 5.00 | 10.1 |
| 125 | 141.3 | 241 | 8.2 | 127 | 4.6 |
| 165.1 | 6.500 | 10.75 | 25.3 | 5.50 | 18.0 |
| | 165.1 | 273 | 11.5 | 140 | 8.2 |
| 6 | 6.625 | 10.75 | 25.3 | 5.50 | 18.0 |
| 150 | 168.3 | 273 | 11.5 | 140 | 8.2 |
| 8 | 8.625 | 14.25 | 50.7 | 7.25 | 35.3 |
| 200 | 219.1 | 362 | 23.0 | 184 | 16.0 |
| 10 | 10.750 | 17.25 | 73.0 | 8.50 | 78.6 |
| 250 | 273.0 | 438 | 42.2 | 216 | 36.1 |
| 12 | 12.750 | 20.50 | 157.6 | 10.00 | 73.9 |
| 300 | 323.9 | 521 | 71.5 | 254 | 33.5 |
| 14* | 14.000 | 21.00 | 149.4 | 8.75 | 74.8 |
| 350 | 355.6 | 533.4 | 67.9 | 222.3 | 34.0 |

* Carbon steel fitting with roll groove. Sold as "W" series item.

Models 7110LR / 7111LR

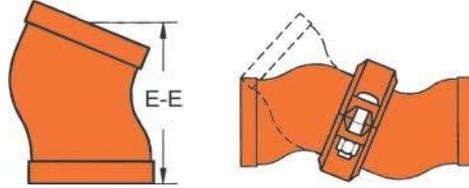
| Nominal Size | Pipe O.D. | #7110LR 1.5D LR 90° Elbows | | #7111LR 1.5D LR 45° Elbows | |
|--------------|-----------|-------------------------------|--------|-------------------------------|--------|
| | | C - E | Weight | C-LE | Weight |
| in | in | in | lbs | in | lbs |
| mm | mm | mm | kg | mm | kg |
| 16* | 16.000 | 24.00 | 195.8 | 10.00 | 98.1 |
| 400 | 406.4 | 609.6 | 89.0 | 254.0 | 44.6 |
| 18* | 18.000 | 27.00 | 248.6 | 11.25 | 124.3 |
| 450 | 457.2 | 685.8 | 113.0 | 285.5 | 56.5 |
| 20* | 20.000 | 30.00 | 308.0 | 12.50 | 154.0 |
| 500 | 508.0 | 762.0 | 140.0 | 317.5 | 70.0 |
| 22* | 22.000 | 33.00 | 371.8 | 13.50 | 187.0 |
| 550 | 558.8 | 838.2 | 169.0 | 342.9 | 85.0 |
| 24* | 24.000 | 36.00 | 444.4 | 15.00 | 222.2 |
| 600 | 609.6 | 914.4 | 202.0 | 381.0 | 101.0 |

* Carbon steel fitting with roll groove. Sold as "W" series item.



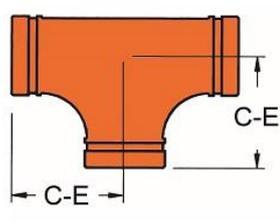
Models 901 / 903

| Nominal Pipe Size | Pipe O.D. | 901 SR 90° Elbow | | 903 SR Straight Tee | |
|-------------------|-----------|------------------|--------|---------------------|--------|
| | | C-E | Weight | C-E | Weight |
| in | in | in | lbs | in | lbs |
| mm | mm | mm | kg | mm | kg |
| 2 | 2.375 | 2.75 | 1.5 | 2.75 | 2.2 |
| 50 | 60.3 | 70 | 0.7 | 70 | 1.0 |
| 2½ | 2.875 | 3.00 | 2.0 | 3.00 | 2.9 |
| 65 | 73.0 | 76 | 0.9 | 76 | 1.3 |
| 76.1 | 3.000 | 3.00 | 2.5 | 3.00 | 2.9 |
| | 76.1 | 76 | 1.1 | 76 | 1.3 |
| 3 | 3.500 | 3.38 | 3.1 | 3.38 | 4.4 |
| 80 | 88.9 | 86 | 1.4 | 86 | 2.0 |
| 4 | 4.500 | 4.00 | 4.9 | 4.00 | 7.9 |
| 100 | 114.3 | 102 | 2.2 | 102 | 3.6 |
| 139.7 | 5.500 | 4.88 | 7.9 | 4.88 | 11.1 |
| | 139.7 | 124 | 3.6 | 124 | 5.1 |
| 5 | 5.563 | 4.88 | 7.9 | 4.88 | 10.1 |
| 125 | 141.3 | 124 | 3.6 | 124 | 4.6 |
| 165.1 | 6.500 | 5.50 | 12.9 | 5.50 | 16.5 |
| | 165.1 | 140 | 5.9 | 140 | 7.5 |
| 6 | 6.625 | 5.50 | 12.9 | 5.50 | 17.2 |
| 150 | 168.3 | 140 | 5.9 | 140 | 7.8 |
| 8 | 8.625 | 6.94 | 23.4 | 6.94 | 36.3 |
| 200 | 219.1 | 176 | 10.6 | 176 | 16.5 |

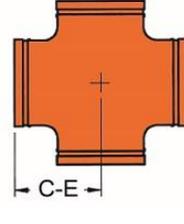


MODEL 7112G 22.5° ELBOW, Goose Neck Design

| Normal Size | Pipe O.D. | #7112G 22.5° Elbows | |
|-------------|-----------|---------------------|--------|
| | | E-E | weight |
| in | in | in | lbs |
| mm | mm | mm | kg |
| 1½ | 1.900 | 3.75 | 1.3 |
| 40 | 48.3 | 95 G | 0.6 |
| 2 | 2.375 | 3.75 | 1.3 |
| 50 | 60.3 | 95 G | 0.8 |
| 2½ | 2.875 | 4.00 | 2.2 |
| 65 | 73.0 | 102 G | 1.0 |
| 76.1 | 3.000 | 4.00 | 2.2 |
| | 76.1 | 102 G | 1.0 |
| 3 | 3.500 | 4.50 | 3.1 |
| 80 | 88.9 | 114 G | 1.4 |
| 4 | 4.500 | 5.00 | 4.4 |
| 100 | 114.3 | 127 G | 2.0 |
| | 5.500 | 5.00 | 6.5 |
| 139.7 | 139.7 | 127 G | 2.9 |
| 5 | 5.563 | 5.00 | 6.8 |
| 125 | 141.3 | 127 G | 3.0 |
| | 6.500 | 6.25 | 11.0 |
| 165.1 | 165.1 | 159 G | 5.0 |
| 6 | 6.625 | 6.25 | 11.0 |
| 150 | 168.3 | 159 G | 5.0 |
| 8 | 8.625 | 7.75 | 22.0 |
| 200 | 219.1 | 197 G | 10.0 |
| | 8.516 | 7.75 | 19.2 |
| 200 JIS | 216.3 | 197 G | 8.8 |



7120 Tee



7135 Cross

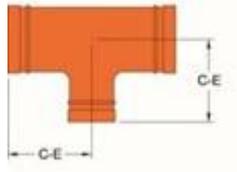
Model 7120 TEE / 7135 CROSS

| Nominal Size | Pipe O.D. | #7120 Tee | | #7135 Cross | |
|--------------|-----------|-----------|--------|-------------|--------|
| | | C - E | Weight | C-LE | Weight |
| in | in | in | lbs | in | lbs |
| mm | mm | mm | kg | mm | kg |
| 1 | 1.315 | 2.25 | 0.9 | 2.25 | --- |
| 25 | 33.4 | 57 | 0.4 | 57 | --- |
| 1¼ | 1.660 | 2.75 | 1.5 | 2.75 | --- |
| 32 | 42.2 | 70 | 0.7 | 70 | --- |
| 1½ | 1.900 | 2.75 | 2.0 | 2.75 | --- |
| 40 | 48.3 | 70 | 0.9 | 70 | --- |
| 2 | 2.375 | 3.25 | 2.9 | 3.25 | 2.7 |
| 50 | 60.3 | 83 | 1.3 | 83 | 1.2 |
| 2½ | 2.875 | 3.75 | 4.8 | 3.75 | 6.6 |
| 65 | 73.0 | 95 | 2.2 | 95 | 3.0 |
| 76.1 | 3.000 | 3.75 | 5.1 | 3.75 | 6.6 |
| | 76.1 | 95 | 2.3 | 95 | 3.0 |
| 3 | 3.500 | 4.25 | 6.8 | 4.25 | 6.8 |
| 80 | 88.9 | 108 | 3.1 | 108 | 3.1 |
| 4 | 4.500 | 5.00 | 9.9 | 5.00 | 11.5 |
| 100 | 114.3 | 127 | 4.5 | 127 | 5.2 |
| | 4.250 | 5.00 | 9.0 | --- | --- |
| 108.0 | 108.0 | 127 | 4.1 | --- | --- |
| | 5.250 | 5.50 | 13.2 | --- | --- |
| 133.0 | 133.0 | 140 | 6.0 | --- | --- |
| | 5.500 | 5.50 | 14.3 | 5.50 | 13.0 |
| 139.7 | 139.7 | 140 | 6.5 | 140 | 5.9 |
| | 5.563 | 5.50 | 14.3 | 5.50 | 13.0 |
| 125 | 141.3 | 140 | 6.5 | 140 | 5.9 |
| 159.0 | 6.250 | 6.50 | 18.9 | --- | --- |
| | 159.0 | 165 | 8.6 | --- | --- |

Grooved End Fittings
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| Model 7120 TEE / 7135 CROSS | | | | | | |
|-----------------------------|-----------|-----------|--------|-------------|--------|--|
| Nominal Size | Pipe O.D. | #7120 Tee | | #7135 Cross | | |
| | | C - E | Weight | C-LE | Weight | |
| in | in | in | lbs | in | lbs | |
| mm | mm | mm | kg | mm | kg | |
| 165.1 | 6.500 | 6.50 | 21.7 | 6.50 | 32.0 | |
| | 165.1 | 165 | 9.9 | 165 | 14.5 | |
| 6 | 6.625 | 6.50 | 22.0 | 6.50 | 32.0 | |
| 150 | 168.3 | 165 | 10.0 | 165 | 14.5 | |
| 8 | 8.625 | 7.75 | 44.0 | 7.75 | 44.1 | |
| 200 | 219.1 | 197 | 20.0 | 197 | 20.0 | |
| 10 | 10.750 | 9.00 | 68.2 | 8.50* | 72.7 | |
| 250 | 273.0 | 229 | 31.0 | 216 | 33.0 | |
| 12 | 12.750 | 10.00 | 96.7 | 10.00* | 96.9 | |
| 300 | 323.9 | 254 | 43.9 | 254 | 44.0 | |
| 200 JIS | 8.516 | 7.75 | 44.0 | 7.75 | 44.1 | |
| | 216.3 | 197 | 20.0 | 197 | 20.0 | |
| 250 JIS | 10.528 | 9.00 | 68.2 | --- | --- | |
| | 267.4 | 229 | 31.0 | --- | --- | |
| 300 JIS | 12.539 | 10.00 | 96.7 | --- | --- | |
| | 318.5 | 254 | 43.9 | --- | --- | |
| 14 | 14.000 | 11.00 | 110.2 | 11.00 | 121.0 | |
| 350 | 355.6 | 279.4 | 50.0 | 279 | 54.9 | |
| 16* | 16.000 | 12.00 | 145.4 | 12.00 | 146.4 | |
| 400 | 406.4 | 304.8 | 66.1 | 305 | 66.4 | |
| 18* | 18.000 | 13.50 | 169.8 | 13.50 | 185.4 | |
| 450 | 457.2 | 342.9 | 77.0 | 343 | 84.1 | |
| 20* | 20.000 | 15.00 | 209.4 | 15.00 | 229.1 | |
| 500 | 508.0 | 381.0 | 95.0 | 381 | 103.9 | |
| 22* | 22.000 | 16.50 | 277.2 | --- | --- | |
| 550 | 558.8 | 419.1 | 126.0 | --- | --- | |
| 24* | 24.000 | 17.00 | 267.9 | 17.00 | 298.7 | |
| 600 | 609.6 | 431.8 | 121.5 | 432 | 135.5 | |

* Segmentally welded carbon steel fitting with roll groove. Sold as "W" series item.



7121 Reducing Tee

| Model 7121 Reducing Tee | | | | | |
|-------------------------|-----------------------|---------------|------------|--------|--|
| Nominal Pipe Size | Pipe O.D. | Main Pipe C-E | Branch C-E | Weight | |
| in | in | in | in | lbs | |
| mm | mm | mm | mm | kg | |
| 2 x 2 x 1¼ | 2.375 x 2.375 x 1.660 | 3.25 | 3.25 | 2.6 | |
| 50 x 50 x 32 | 60.3 x 60.3 x 42.2 | 83 | 83 | 1.2 | |
| 2 x 2 x 1½ | 2.375 x 2.375 x 1.900 | 3.25 | 3.25 | 2.6 | |
| 50 x 50 x 40 | 60.3 x 60.3 x 48.3 | 83 | 83 | 1.2 | |
| 2½ x 2½ x 1 | 2.875 x 2.875 x 1.315 | 3.75 | 3.75 | 3.7 | |
| 65 x 65 x 25 | 73.0 x 73.0 x 33.4 | 95 | 95 | 1.7 | |
| 2½ x 2½ x 1¼ | 2.875 x 2.875 x 1.660 | 3.75 | 3.75 | 3.7 | |
| 65 x 65 x 32 | 73.0 x 73.0 x 42.2 | 95 | 95 | 1.7 | |
| 2½ x 2½ x 1½ | 2.875 x 2.875 x 1.900 | 3.75 | 3.75 | 4.0 | |
| 65 x 65 x 40 | 73.0 x 73.0 x 48.3 | 95 | 95 | 1.8 | |
| 2½ x 2½ x 2 | 2.875 x 2.875 x 2.375 | 3.75 | 3.75 | 4.4 | |
| 65 x 65 x 50 | 73.0 x 73.0 x 60.3 | 95 | 95 | 2.0 | |
| 76.1 x 76.1 x 25 | 3.000 x 3.000 x 1.315 | 3.75 | 3.75 | 3.7 | |
| | 76.1 x 76.1 x 33.4 | 95 | 95 | 1.7 | |
| 76.1 x 76.1 x 32 | 3.000 x 3.000 x 1.660 | 3.75 | 3.75 | 4.4 | |
| | 76.1 x 76.1 x 42.2 | 95 | 95 | 2.0 | |
| 76.1 x 76.1 x 40 | 3.000 x 3.000 x 1.900 | 3.75 | 3.75 | 4.2 | |
| | 76.1 x 76.1 x 48.3 | 95 | 95 | 1.9 | |
| 76.1 x 76.1 x 50 | 3.000 x 3.000 x 2.375 | 3.75 | 3.75 | 4.4 | |
| | 76.1 x 76.1 x 60.3 | 95 | 95 | 2.0 | |
| 3 x 3 x 1 | 3.500 x 3.500 x 1.315 | 4.25 | 4.25 | 5.5 | |
| 80 x 80 x 25 | 88.9 x 88.9 x 33.4 | 108 | 108 | 2.5 | |
| 3 x 3 x 1¼ | 3.500 x 3.500 x 1.660 | 4.25 | 4.25 | 5.2 | |
| 80 x 80 x 32 | 88.9 x 88.9 x 42.2 | 108 | 108 | 2.4 | |
| 3 x 3 x 1½ | 3.500 x 3.500 x 1.900 | 4.25 | 4.25 | 5.2 | |
| 80 x 80 x 40 | 88.9 x 88.9 x 48.3 | 108 | 108 | 2.4 | |
| 3 x 3 x 2 | 3.500 x 3.500 x 2.375 | 4.25 | 4.25 | 6.2 | |
| 80 x 80 x 50 | 88.9 x 88.9 x 60.3 | 108 | 108 | 2.8 | |
| 3 x 3 x 2½ | 3.500 x 3.500 x 2.875 | 4.25 | 4.25 | 6.2 | |
| 80 x 80 x 65 | 88.9 x 88.9 x 73.0 | 108 | 108 | 2.8 | |

Grooved End Fittings
Rev.2024.216

| Model 7121 Reducing Tee | | | | |
|-------------------------|-----------------------|---------------|------------|--------|
| Nominal Pipe Size | Pipe O.D. | Main Pipe C-E | Branch C-E | Weight |
| in | in | in | in | lbs |
| mm | mm | mm | mm | kg |
| 80 x 80 x 76.1 | 3.500 x 3.500 x 3.000 | 4.25 | 4.25 | 6.2 |
| | 88.9 x 88.9 x 76.1 | 108 | 108 | 2.8 |
| 4 x 4 x 1 | 4.500 x 4.500 x 1.315 | 5.00 | 5.00 | 8.9 |
| 100 x 100 x 25 | 114.3 x 114.3 x 33.4 | 127 | 127 | 4.0 |
| 4 x 4 x 1½ | 4.500 x 4.500 x 1.900 | 5.00 | 5.00 | 9.3 |
| 100 x 100 x 40 | 114.3 x 114.3 x 48.3 | 127 | 127 | 4.2 |
| 4 x 4 x 2 | 4.500 x 4.500 x 2.375 | 5.00 | 5.00 | 8.8 |
| 100 x 100 x 50 | 114.3 x 114.3 x 60.3 | 127 | 127 | 4.0 |
| 4 x 4 x 2½ | 4.500 x 4.500 x 2.875 | 5.00 | 5.00 | 9.5 |
| 100 x 100 x 65 | 114.3 x 114.3 x 73.0 | 127 | 127 | 4.3 |
| 100 x 100 x 76.1 | 4.500 x 4.500 x 3.000 | 5.00 | 5.00 | 9.5 |
| | 114.3 x 114.3 x 76.1 | 127 | 127 | 4.3 |
| 4 x 4 x 3 | 4.500 x 4.500 x 3.500 | 5.00 | 5.00 | 9.4 |
| 100 x 100 x 80 | 114.3 x 114.3 x 88.9 | 127 | 127 | 4.3 |
| 139.7 x 139.7 x 50 | 5.500 x 5.500 x 2.375 | 5.50 | 5.50 | 12.4 |
| | 139.7 x 139.7 x 60.3 | 140 | 140 | 5.6 |
| 139.7 x 139.7 x 65 | 5.500 x 5.500 x 2.875 | 5.50 | 5.50 | 12.8 |
| | 139.7 x 139.7 x 73.0 | 140 | 140 | 5.8 |
| 5 x 5 x 2 | 5.563 x 5.563 x 2.375 | 5.50 | 5.50 | 12.4 |
| 125 x 125 x 50 | 141.3 x 141.3 x 60.3 | 140 | 140 | 5.6 |
| 5 x 5 x 2½ | 5.563 x 5.563 x 2.875 | 5.50 | 5.50 | 12.8 |
| 125 x 125 x 65 | 141.3 x 141.3 x 73.0 | 140 | 140 | 5.8 |
| 5 x 5 x 3 | 5.563 x 5.563 x 3.500 | 5.50 | 5.50 | 12.6 |
| 125 x 125 x 80 | 141.3 x 141.3 x 88.9 | 140 | 140 | 5.7 |
| 5 x 5 x 4 | 5.563 x 5.563 x 4.500 | 5.50 | 5.50 | 13.6 |
| 125 x 125 x 100 | 141.3 x 141.3 x 114.3 | 140 | 140 | 6.2 |
| 165.1 x 165.1 x 50 | 6.500 x 6.500 x 2.375 | 6.50 | 6.50 | 17.6 |
| | 165.1 x 165.1 x 60.3 | 165 | 165 | 8.0 |
| 165.1 x 165.1 x 76.1 | 6.500 x 6.500 x 3.000 | 6.50 | 6.50 | 18.7 |
| | 165.1 x 165.1 x 76.1 | 165 | 165 | 8.5 |
| 165.1 x 165.1 x 80 | 6.500 x 6.500 x 3.500 | 6.50 | 6.50 | 20.2 |
| | 165.1 x 165.1 x 88.9 | 165 | 165 | 9.2 |
| 165.1 x 165.1 x 100 | 6.500 x 6.500 x 4.500 | 6.50 | 6.50 | 19.4 |
| | 165.1 x 165.1 x 114.3 | 165 | 165 | 8.8 |
| 6 x 6 x 2 | 6.625 x 6.625 x 2.375 | 6.50 | 6.50 | 17.6 |
| 150 x 150 x 50 | 168.3 x 168.3 x 60.3 | 165 | 165 | 8.0 |
| 6 x 6 x 2½ | 6.625 x 6.625 x 2.875 | 6.50 | 6.50 | 18.7 |
| 150 x 150 x 65 | 168.3 x 168.3 x 73.0 | 165 | 165 | 8.5 |
| 6 x 6 x 3 | 6.625 x 6.625 x 3.500 | 6.50 | 6.50 | 20.2 |
| 150 x 150 x 80 | 168.3 x 168.3 x 88.9 | 165 | 165 | 9.2 |

| Model 7121 Reducing Tee | | | | |
|-------------------------|-------------------------|---------------|------------|--------|
| Nominal Pipe Size | Pipe O.D. | Main Pipe C-E | Branch C-E | Weight |
| in | in | in | in | lbs |
| mm | mm | mm | mm | kg |
| 6 x 6 x 4 | 6.625 x 6.625 x 4.500 | 6.50 | 6.50 | 19.4 |
| 150 x 150 x 100 | 168.3 x 168.3 x 114.3 | 165 | 165 | 8.8 |
| 8 x 8 x 2 | 8.625 x 8.625 x 2.375 | 7.75 | 7.75 | 32.5 |
| 200 x 200 x 50 | 219.1 x 219.1 x 60.3 | 197 | 197 | 14.8 |
| 8 x 8 x 2½ | 8.625 x 8.625 x 2.875 | 7.75 | 7.75 | 31.9 |
| 200 x 200 x 65 | 219.1 x 219.1 x 73.0 | 197 | 197 | 14.5 |
| 8 x 8 x 3 | 8.625 x 8.625 x 3.500 | 7.75 | 7.75 | 34.2 |
| 200 x 200 x 80 | 219.1 x 219.1 x 88.9 | 197 | 197 | 15.5 |
| 8 x 8 x 4 | 8.625 x 8.625 x 4.500 | 7.75 | 7.75 | 44.0 |
| 200 x 200 x 100 | 219.1 x 219.1 x 114.3 | 197 | 197 | 20.0 |
| 8 x 8 x 5** | 8.625 x 8.625 x 5.563 | 7.00 | 6.38 | 39.2 |
| 200 x 200 x 125 | 219.1 x 219.1 x 141.3 | 178 | 162 | 17.8 |
| 200 x 200 x 139.7** | 8.625 x 8.625 x 5.500 | 7.00 | 6.38 | 42.7 |
| | 219.1 x 219.1 x 139.7 | 178 | 162 | 19.4 |
| 8 x 8 x 6 | 8.625 x 8.625 x 6.625 | 7.75 | 7.75 | 46.2 |
| 200 x 200 x 150 | 219.1 x 219.1 x 168.3 | 197 | 197 | 21.0 |
| 10 x 10 x 4 | 10.750 x 10.750 x 4.500 | 9.00 | 9.00 | 62.8 |
| 250 x 250 x 100 | 273.0 x 273.0 x 114.3 | 229 | 229 | 28.5 |
| 250 x 250 x 139.7* | 10.750 x 10.750 x 5.500 | 9.00 | 9.00 | 64.4 |
| | 273.0 x 273.0 x 139.7 | 229 | 229 | 29.3 |
| 10 x 10 x 6 | 10.750 x 10.750 x 6.625 | 9.00 | 9.00 | 66.0 |
| 250 x 250 x 150 | 273.0 x 273.0 x 168.3 | 229 | 229 | 30.0 |
| 10 x 10 x 8 | 10.750 x 10.750 x 8.625 | 9.00 | 9.00 | 69.3 |
| 250 x 250 x 200 | 273.0 x 273.0 x 219.1 | 229 | 229 | 31.5 |
| 12 x 12 x 3 | 12.750 x 12.750 x 3.500 | 10.00 | 10.00 | 88.1 |
| 300 x 300 x 80 | 323.9 x 323.9 x 88.9 | 254 | 254 | 40.0 |
| 12 x 12 x 4 | 12.750 x 12.750 x 4.500 | 10.00 | 10.00 | 90.4 |
| 300 x 300 x 100 | 323.9 x 323.9 x 114.3 | 254 | 254 | 41.0 |
| 12 x 12 x 6 | 12.750 x 12.750 x 6.625 | 10.00 | 10.00 | 83.6 |
| 300 x 300 x 150 | 323.9 x 323.9 x 168.3 | 254 | 254 | 38.0 |
| 12 x 12 x 8 | 12.750 x 12.750 x 8.625 | 10.00 | 10.00 | 83.6 |
| 300 x 300 x 200 | 323.9 x 323.9 x 219.1 | 254 | 254 | 38.0 |
| 14 x 2½* | 14.000 x 2.875 | 11.0 | 9.37 | -- |
| 350 x 65 | 355.6 x 73.0 | 279.0 | 238.0 | -- |
| 14 x 3* | 14.000 x 3.500 | 11.0 | 9.37 | -- |
| 350 x 80 | 355.6 x 88.9 | 279.0 | 238.0 | -- |
| 14 x 4* | 14.000 x 4.5 | 11.0 | 9.37 | -- |
| 350 x 100 | 355.6 x 114.3 | 279.0 | 238.0 | -- |
| 14 x 6* | 14.000 x 6.625 | 11.0 | 9.37 | 101.2 |
| 350 x 150 | 355.6 x 168.3 | 279.0 | 238.0 | 46.0 |

| Model 7121 Reducing Tee | | | | |
|-------------------------|----------------|---------------|------------|--------|
| Nominal Pipe Size | Pipe O.D. | Main Pipe C-E | Branch C-E | Weight |
| in | in | in | in | lbs |
| mm | mm | mm | mm | kg |
| 14 x 8* | 14.000 x 8.625 | 11.0 | 9.76 | 102.3 |
| 350 x 200 | 355.6 x 219.1 | 279.0 | 248.0 | 46.5 |

* Segmentally welded carbon steel fitting with roll groove. Sold as "W" series item.

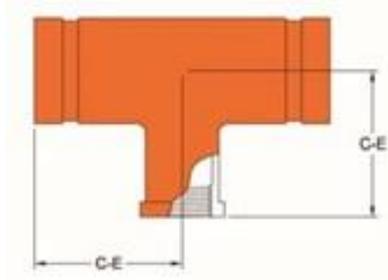
** Fabricated

| Model 7121 Reducing Tee | | | | |
|-------------------------|-----------------|---------------|------------|--------|
| Nominal Pipe Size | Pipe O.D. | Main Pipe C-E | Branch C-E | Weight |
| In | in | in | in | lbs |
| Mm | mm | mm | mm | kg |
| 14 x 10* | 14.000 x 10.750 | 11.0 | 10.12 | 104.9 |
| 350 x 250 | 355.6 x 273.0 | 279.0 | 257.0 | 47.7 |
| 14 x 12* | 14.000 x 12.750 | 11.0 | 10.63 | 96.8 |
| 350 x 300 | 355.6 x 323.9 | 279.0 | 270.0 | 44.0 |
| 16 x 6* | 16.000 x 6.625 | 12.0 | 10.40 | 125.8 |
| 400 x 150 | 406.4 x 168.3 | 305.0 | 264.0 | 57.2 |
| 16 x 8* | 16.000 x 8.625 | 12.0 | 10.75 | 127.2 |
| 400 x 200 | 406.4 x 219.1 | 305.0 | 273.0 | 57.8 |
| 16 x 10* | 16.000 x 10.750 | 12.0 | 11.14 | 129.6 |
| 400 x 250 | 406.4 x 273.0 | 305.0 | 283.0 | 58.9 |
| 16 x 12* | 16.000 x 12.750 | 12.0 | 11.61 | 132.2 |
| 400 x 300 | 406.4 x 323.9 | 305.0 | 295.0 | 60.1 |
| 16 x 14* | 16.000 x 14.000 | 12.0 | 12.00 | 134.4 |
| 400 x 350 | 406.4 x 355.6 | 305.0 | 305.0 | 61.1 |
| 18 x 6* | 18.000 x 6.625 | 13.5 | 11.38 | 159.7 |
| 450 x 150 | 457.2 x 168.3 | 343.0 | 289.0 | 72.6 |
| 18 x 8* | 18.000 x 8.625 | 13.5 | 11.75 | 160.6 |
| 450 x 200 | 457.2 x 219.1 | 343.0 | 298.0 | 73.0 |
| 18 x 10* | 18.000 x 10.750 | 13.5 | 12.13 | 162.8 |
| 450 x 250 | 457.2 x 273.0 | 343.0 | 308.0 | 74.0 |
| 18 x 12* | 18.000 x 12.750 | 13.5 | 12.64 | 165.2 |
| 450 x 300 | 457.2 x 323.9 | 343.0 | 321.0 | 75.1 |
| 18 x 14* | 18.000 x 14.000 | 13.5 | 13.00 | 167.2 |
| 450 x 350 | 457.2 x 355.6 | 343.0 | 330.0 | 76.0 |
| 18 x 16* | 18.000 x 16.000 | 13.5 | 13.00 | 167.9 |
| 450 x 400 | 457.2 x 406.4 | 343.0 | 330.0 | 76.3 |
| 20 x 6* | 20.000 x 6.625 | 15.0 | 12.36 | 196.9 |
| 500 x 150 | 508.0 x 168.3 | 381.0 | 314.0 | 89.5 |
| 20 x 8* | 20.000 x 8.625 | 15.0 | 12.76 | 198.0 |
| 500 x 200 | 508.0 x 219.1 | 381.0 | 324.0 | 90.0 |
| 20 x 10* | 18.000 x 10.750 | 15.0 | 13.11 | 200.0 |
| 500 x 250 | 508.0 x 273.0 | 381.0 | 333.0 | 90.9 |
| 20 x 12* | 20.000 x 12.750 | 15.0 | 13.62 | 202.4 |
| 500 x 300 | 508.0 x 323.9 | 381.0 | 346.0 | 92.0 |
| 20 x 14* | 20.000 x 14.000 | 15.0 | 14.02 | 204.4 |
| 500 x 350 | 508.0 x 355.6 | 381.0 | 356.0 | 92.9 |

* Segmentally welded carbon steel fitting with roll groove. Sold as "W" series item.

| Model 7121 Reducing Tee | | | | | |
|-------------------------|----|-----------------|---------------|------------|--------|
| Nominal Pipe Size | | Pipe O.D. | Main Pipe C-E | Branch C-E | Weight |
| in | mm | in | in | in | lbs |
| mm | mm | mm | mm | mm | kg |
| 20 x 16* | | 20.000 x 16.000 | 15.0 | 14.02 | 204.6 |
| 500 x 400 | | 508.0 x 406.4 | 381.0 | 356.0 | 93.6 |
| 20 x 18* | | 20.000 x 18.000 | 15.0 | 14.50 | 207.9 |
| 500 x 450 | | 508.0 x 457.2 | 381.0 | 368.0 | 94.5 |
| 24 x 6* | | 24.000 x 6.625 | 17.0 | 14.38 | 268.4 |
| 600 x 150 | | 609.6 x 168.3 | 432.0 | 365.0 | 122.0 |
| 24 x 8* | | 24.000 x 8.625 | 17.0 | 14.76 | 270.6 |
| 600 x 200 | | 609.6 x 219.1 | 432.0 | 375.0 | 123.0 |
| 24 x 10* | | 24.000 x 10.750 | 17.0 | 15.12 | 271.0 |
| 600 x 250 | | 609.6 x 273.0 | 432.0 | 384.0 | 123.2 |
| 24 x 12* | | 24.000 x 12.750 | 17.0 | 15.63 | 273.2 |
| 600 x 300 | | 609.6 x 323.9 | 432.0 | 397.0 | 124.2 |
| 24 x 14* | | 24.000x14.000 | 17.0 | 16.00 | 275.0 |
| 600 x 350 | | 609.6 x 355.6 | 432.0 | 406.0 | 125.0 |
| 24 x 16* | | 24.000 x 16.000 | 17.0 | 16.00 | 275.0 |
| 600 x 400 | | 609.6 x 406.4 | 432.0 | 406.0 | 125.0 |
| 24 x 18* | | 24.000x18.000 | 17.0 | 16.50 | 279.6 |
| 600 x 450 | | 609.6 x 457.2 | 432.0 | 419.0 | 127.1 |
| 24 x 20* | | 24.000 x 20.000 | 17.0 | 17.00 | 281.6 |
| 600 x 500 | | 609.6 x 508.0 | 432.0 | 432.0 | 128.0 |

* Segmentally welded carbon steel fitting with roll groove. Sold as "W" series item.

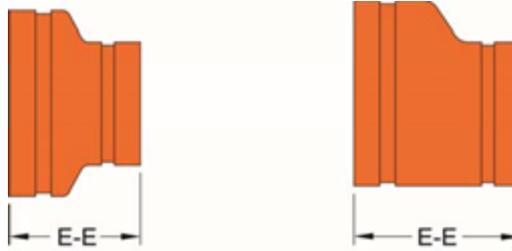


7121F Reducing Tee (Female Threaded)

Model 7121F Reducing Tee

| Nominal Pipe Size | Pipe O.D. | Female Threaded Branch | | Nominal Pipe Size | Pipe OD | Female Threaded Branch | |
|-----------------------|-----------------------|------------------------|--------|--------------------|-----------------------|------------------------|--------|
| | | C-E | Weight | | | C-E | Weight |
| in | in | in | lbs | in | in | in | lbs |
| mm | mm | mm | kg | mm | mm | mm | kg |
| 2 x 2 x 1/4 | 2.375 x 2.375 x 1.660 | 3.25 | 2.9 | 3 x 3 x 1/4 | 3.500 x 3.500 x 1.660 | 4.25 | 5.1 |
| 50 x 50 x 32 | 60.3 x 60.3 x 42.2 | 83 | 1.3 | 80 x 80 x 32 | 88.9 x 88.9 x 42.2 | 108 | 2.3 |
| 2 x 2 x 1/2 | 2.375 x 2.375 x 1.900 | 3.25 | 4.0 | 3 x 3 x 1/2 | 3.500 x 3.500 x 1.900 | 4.25 | 6.0 |
| 50 x 50 x 40 | 60.3 x 60.3 x 48.3 | 83 | 1.8 | 80 x 80 x 40 | 88.9 x 88.9 x 48.3 | 108 | 2.7 |
| 2 1/2 x 2 1/2 x 1 | 2.875 x 2.875 x 1.315 | 3.75 | 4.0 | 3 x 3 x 2 | 3.500 x 3.500 x 2.375 | 4.25 | 6.2 |
| 65 x 65 x 25 | 73.0 x 73.0 x 33.4 | 95 | 1.8 | 80 x 80 x 50 | 88.9 x 88.9 x 60.3 | 108 | 2.8 |
| 2 1/2 x 2 1/2 x 1 1/4 | 2.875 x 2.875 x 1.660 | 3.75 | 3.7 | 3 x 3 x 2 1/2 | 3.500 x 3.500 x 2.875 | 4.25 | 7.3 |
| 65 x 65 x 32 | 73.0 x 73.0 x 42.2 | 95 | 1.7 | 80 x 80 x 65 | 88.9 x 88.9 x 73.0 | 108 | 3.3 |
| 2 1/2 x 2 1/2 x 1 1/2 | 2.875 x 2.875 x 1.900 | 3.75 | 4.4 | 4 x 4 x 1 1/2 | 4.500 x 4.500 x 1.900 | 5.00 | 9.3 |
| 65 x 65 x 40 | 73.0 x 73.0 x 48.3 | 95 | 2.0 | 100 x 100 x 40 | 114.3 x 114.3 x 48.3 | 127 | 4.2 |
| 2 1/2 x 2 1/2 x 2 | 2.875 x 2.875 x 2.375 | 3.75 | 4.6 | 4 x 4 x 2 | 4.500 x 4.500 x 2.375 | 5.00 | 9.3 |
| 65 x 65 x 50 | 73.0 x 73.0 x 60.3 | 95 | 2.1 | 100 x 100 x 50 | 114.3 x 114.3 x 60.3 | 127 | 4.2 |
| 76.1 x 76.1 x 25 | 3.000 x 3.000 x 1.315 | 3.75 | 4.4 | 4 x 4 x 2 1/2 | 4.500 x 4.500 x 2.875 | 5.00 | 10.8 |
| | 76.1 x 76.1 x 33.4 | 95 | 2.0 | 100 x 100 x 65 | 114.3 x 114.3 x 73.0 | 127 | 4.9 |
| 76.1 x 76.1 x 32 | 3.000 x 3.000 x 1.660 | 3.75 | 4.4 | 100 x 100 x 76.1 | 4.500 x 4.500 x 3.000 | 5.00 | 9.9 |
| | 76.1 x 76.1 x 42.2 | 95 | 2.0 | | 114.3 x 114.3 x 76.1 | 127 | 4.5 |
| 76.1 x 76.1 x 40 | 3.000 x 3.000 x 1.900 | 3.75 | 4.0 | 139.7 x 139.7 x 50 | 5.500 x 5.500 x 2.375 | 5.50 | 11.9 |
| | 76.1 x 76.1 x 48.3 | 95 | 1.8 | | 139.7 x 139.7 x 60.3 | 140 | 5.4 |
| 76.1 x 76.1 x 50 | 3.000 x 3.000 x 2.375 | 3.75 | 4.9 | 5 x 5 x 2 | 5.563 x 5.563 x 2.375 | 5.50 | 12.3 |
| | 76.1 x 76.1 x 60.3 | 95 | 2.2 | 125 x 125 x 50 | 141.3 x 141.3 x 60.3 | 140 | 5.6 |
| 3 x 3 x 1/2 | 3.500 x 3.500 x 0.840 | 4.25 | 5.1 | 165.1 x 165.1 x 50 | 6.500 x 6.500 x 2.375 | 6.50 | 17.6 |
| 80 x 80 x 15 | 88.9 x 88.9 x 21.3 | 108 | 2.3 | | 165.1 x 165.1 x 60.3 | 165 | 8.0 |
| 3 x 3 x 3/4 | 3.500 x 3.500 x 1.050 | 4.25 | 5.1 | 6 x 6 x 2 | 6.625 x 6.625 x 2.375 | 6.50 | 20.5 |
| 80 x 80 x 20 | 88.9 x 88.9 x 26.7 | 108 | 2.3 | 150 x 150 x 50 | 168.3 x 168.3 x 60.3 | 165 | 9.3 |
| 3 x 3 x 1 | 3.500 x 3.500 x 1.315 | 4.25 | 5.1 | 6 x 6 x 2 1/2 | 6.625 x 6.625 x 2.875 | 6.50 | 15.7 |
| 80 x 80 x 25 | 88.9 x 88.9 x 33.4 | 108 | 2.3 | 150 x 150 x 65 | 168.3 x 168.3 x 73.0 | 165 | 7.1 |

Grooved End Fittings
Rev. 2024.216



7150 Concentric Reducer

7151 Eccentric Reducer

Model 7150 Concentric Reducer / 7151 Eccentric Reducer

| Nominal Size | Pipe O.D. | 7150 Concentric Reducer | | 7151 Eccentric Reducer | |
|--------------|---------------|-------------------------|--------|------------------------|--------|
| | | E-E | Weight | E-E | Weight |
| | | in | lbs | in | lbs |
| mm | mm | mm | kg | mm | kg |
| 1¼ x 1 | 1.660 x 1.315 | 2.50 | 0.4 | --- | --- |
| 32 x 25 | 42.2 x 33.4 | 64 | 0.2 | --- | --- |
| 1½ x 1 | 1.900 x 1.315 | 2.50 | 0.5 | --- | --- |
| 40 x 25 | 48.3 x 33.4 | 64 | 0.2 | --- | --- |
| 1½ x 1¼ | 1.900 x 1.660 | 2.50 | 0.6 | --- | --- |
| 40 x 32 | 48.3 x 42.2 | 64 | 0.3 | --- | --- |
| 2 x 1 | 2.375 x 1.315 | 2.50 | 0.9 | 3.00* | 0.9 |
| 50 x 25 | 60.3 x 33.4 | 64 | 0.4 | 76 | 0.4 |
| 2 x 1¼ | 2.375 x 1.660 | 2.50 | 0.7 | --- | --- |
| 50 x 32 | 60.3 x 42.2 | 64 | 0.3 | --- | --- |
| 2 x 1½ | 2.375 x 1.900 | 2.50 | 0.8 | 3.00* | 0.9 |
| 50 x 40 | 60.3 x 48.3 | 64 | 0.4 | 76 | 0.4 |
| 2½ x 2 | 2.875 x 2.375 | 2.50 | 1.1 | 3.50 | 1.4 |
| 65 x 50 | 73.0 x 60.3 | 64 | 0.5 | 89 | 0.7 |
| 76.1 x 50 | 3.000 x 2.375 | 2.50 | 1.1 | 3.50 | 1.6 |
| | 76.1 x 60.3 | 64 | 0.5 | 89 | 0.7 |
| 3 x 1 | 3.500 x 1.315 | 2.50 | 1.3 | 3.50* | 2.0 |
| 80 x 25 | 88.9 x 33.4 | 64 | 0.6 | 89 | 0.9 |
| 3 x 1¼ | 3.500 x 1.660 | 2.50 | 1.3 | 3.50* | 2.6 |
| 80 x 32 | 88.9 x 42.2 | 64 | 0.6 | 89 | 1.2 |
| 3 x 1½ | 3.500 x 1.900 | 2.50 | 1.3 | 3.50* | 2.6 |
| 80 x 40 | 88.9 x 48.3 | 64 | 0.6 | 89 | 1.2 |
| 3 x 2 | 3.500 x 2.375 | 2.50 | 1.3 | 3.50 | 2.2 |
| 80 x 50 | 88.9 x 60.3 | 64 | 0.6 | 89 | 1.0 |
| 3 x 2½ | 3.500 x 2.875 | 2.50 | 1.3 | 3.50 | 2.2 |
| 80 x 65 | 88.9 x 73.0 | 64 | 0.6 | 89 | 1.0 |
| 80 x 76.1 | 3.500 x 3.000 | 2.50 | 1.3 | 3.50 | 2.2 |
| | 88.9 x 76.1 | 64 | 0.6 | 89 | 1.0 |
| 4 x 2 | 4.500 x 2.375 | 3.00 | 2.0 | 4.00 | 2.8 |
| 100 x 50 | 114.3 x 60.3 | 76 | 0.9 | 102 | 1.3 |

Grooved End Fittings
Rev. 2024.216

Model 7150 Concentric Reducer / 7151 Eccentric Reducer

| Nominal Size | Pipe O.D. | 7150 Concentric Reducer | | 7151 Eccentric Reducer | |
|---------------|---------------|-------------------------|--------|------------------------|--------|
| | | E-E | Weight | E-E | Weight |
| | | in | lbs | in | lbs |
| mm | mm | mm | kg | mm | kg |
| 4 x 2½ | 4.500 x 2.875 | 3.00 | 2.2 | 4.00 | 3.3 |
| 100 x 65 | 114.3 x 73.0 | 76 | 1.0 | 102 | 1.5 |
| 100 x 76.1 | 4.500 x 3.000 | 3.00 | 2.3 | 4.00 | 3.3 |
| | 114.3 x 76.1 | 76 | 1.0 | 102 | 1.5 |
| 4 x 3 | 4.500 x 3.500 | 3.00 | 2.2 | 4.00 | 2.9 |
| 100 x 80 | 114.3 x 88.9 | 76 | 1.0 | 102 | 1.3 |
| 5 x 4 | 5.563 x 4.500 | 3.50 | 3.6 | 4.00 | 6.2 |
| 125 x 100 | 141.3 x 114.3 | 89 | 1.6 | 102 | 2.8 |
| 6 x 2 | 6.625 x 2.375 | 4.00 | 4.2 | 4.00 | 4.4 |
| 150 x 50 | 168.3 x 60.3 | 102 | 1.9 | 102 | 2.0 |
| 6 x 2½ | 6.625 x 2.875 | 4.00 | 4.4 | 5.50* | 6.6 |
| 150 x 65 | 168.3 x 73.0 | 102 | 2.0 | 140 | 3.0 |
| 6 x 3 | 6.625 x 3.500 | 4.00 | 4.4 | 4.00 | 7.8 |
| 150 x 80 | 168.3 x 88.9 | 102 | 2.0 | 102 | 3.5 |
| 6 x 4 | 6.625 x 4.500 | 4.00 | 4.6 | 4.00 | 5.8 |
| 150 x 100 | 168.3 x 114.3 | 102 | 2.1 | 102 | 2.7 |
| 6 x 5 | 6.625 x 5.563 | 4.00 | 5.5 | 4.00 | 9.9 |
| 150 x 125 | 168.3 x 141.3 | 102 | 2.5 | 102 | 4.5 |
| 165.1 x 50 | 6.500 x 2.375 | 4.00 | 4.2 | 4.00 | 4.4 |
| | 165.1 x 60.3 | 102 | 1.9 | 102 | 2.0 |
| 165.1 x 76.1 | 6.500 x 3.000 | 4.00 | 4.2 | 5.50* | 6.6 |
| | 165.1 x 76.1 | 102 | 1.9 | 140 | 3.0 |
| 165.1 x 80 | 6.500 x 3.500 | 4.00 | 4.4 | 4.00 | 7.7 |
| | 165.1 x 88.9 | 102 | 2.0 | 102 | 3.5 |
| 165.1 x 100 | 6.500 x 4.500 | 4.00 | 4.6 | 4.00 | 5.8 |
| | 165.1 x 114.3 | 102 | 2.1 | 102 | 2.7 |
| 165.1 x 139.7 | 6.500 x 5.500 | 4.00 | 5.5 | 4.00 | 9.9 |
| | 165.1 x 139.7 | 102 | 2.5 | 102 | 4.5 |
| 8 x 3 | 8.625 x 3.500 | 5.00 | 8.4 | --- | --- |
| 200 x 80 | 219.1 x 88.9 | 127 | 3.8 | --- | --- |
| 8 x 4 | 8.625 x 4.500 | 5.00 | 9.5 | 5.00 | 14.6 |
| 200 x 100 | 219.1 x 114.3 | 127 | 4.3 | 127 | 6.6 |
| 8 x 5 | 8.625 x 5.563 | 5.00 | 9.5 | 5.00 | 9.5 |
| 200 x 125 | 219.1 x 141.3 | 127 | 4.3 | 127 | 4.3 |
| 216.3 x 139.7 | 8.516 x 5.500 | 5.00 | 10.4 | 5.00 | 10.8 |
| | 216.3 x 139.7 | 127 | 4.7 | 127 | 4.9 |

* fabricated item

Grooved End Fittings
Rev. 2024.216

Model 7150 Concentric Reducer / 7151 Eccentric Reducer

| Nominal Size | Pipe O.D. | 7150 Concentric Reducer | | 7151 Eccentric Reducer | |
|--------------|-----------------|-------------------------|--------|------------------------|--------|
| | | E-E | Weight | E-E | Weight |
| | | in | lbs | in | lbs |
| mm | mm | mm | kg | mm | kg |
| 8 x 6 | 8.625 x 6.625 | 5.00 | 11.4 | 5.00 | 12.0 |
| 200 x 150 | 219.1 x 168.3 | 127 | 5.2 | 127 | 5.5 |
| 10 x 4 | 10.750 x 4.500 | 6.00 | 19.8 | 6.00 | 26.4 |
| 250 x 100 | 273.0 x 114.3 | 152 | 9.0 | 152 | 12.0 |
| 10 x 6 | 10.750 x 6.625 | 6.00 | 19.8 | 6.00 | 25.3 |
| 250 x 150 | 273.0 x 168.3 | 152 | 9.0 | 152 | 11.5 |
| 10 x 8 | 10.750 x 8.625 | 6.00 | 20.9 | 7.00 | 26.8 |
| 250 x 200 | 273.0 x 219.1 | 152 | 9.5 | 178 | 12.2 |
| 12 x 6 | 12.750 x 6.625 | 7.00 | 30.9 | 7.00 | 39.7 |
| 300x150 | 323.9 x 168.3 | 178 | 14.0 | 178 | 18.0 |
| 12 x 8 | 12.750 x 8.625 | 7.00 | 30.9 | 7.00 | 40.8 |
| 300 x 200 | 323.9 x 219.1 | 178 | 14.0 | 178 | 18.5 |
| 12 x 10 | 12.750 x 10.750 | 7.00 | 30.1 | 7.00 | 44.1 |
| 300 x 250 | 323.9 x 273.0 | 178 | 13.7 | 178 | 20.0 |
| 14 x 6* | 14.000 x 6.625 | 13.00 | 67.76 | 13.00 | 67.76 |
| 350 x 150 | 355.6 x 168.3 | 330.0 | 30.8 | 330.0 | 30.8 |
| 14 x 8* | 14.000 x 8.625 | 13.00 | 69.96 | 13.00 | 69.96 |
| 350 x 200 | 355.6 x 219.1 | 330.0 | 31.8 | 330.0 | 31.8 |
| 14 x 10* | 14.000 x 10.750 | 13.00 | 71.94 | 13.00 | 71.94 |
| 350 x 250 | 355.6 x 273.0 | 330.0 | 32.7 | 330.0 | 32.7 |
| 14 x 12* | 14.000 x 12.750 | 13.00 | 73.92 | 13.00 | 73.92 |
| 350 x 300 | 355.6 x 323.9 | 330.0 | 33.6 | 330.0 | 33.6 |
| 16 x 8* | 16.000 x 8.625 | 14.00 | 87.78 | 14.00 | 87.78 |
| 400 x 200 | 406.4 x 219.1 | 356.0 | 39.9 | 356.0 | 39.9 |
| 16 x 10* | 16.000 x 10.750 | 14.00 | 90.86 | 14.00 | 90.86 |
| 400 x 250 | 406.4 x 273.0 | 356.0 | 41.3 | 356.0 | 41.3 |
| 16 x 12* | 16.000 x 12.750 | 14.00 | 92.84 | 14.00 | 92.84 |
| 400 x 300 | 406.4 x 323.9 | 356.0 | 42.2 | 356.0 | 42.2 |
| 16 x 14* | 16.000 x 14.000 | 14.00 | 94.82 | 14.00 | 94.82 |
| 400 x 350 | 406.4 x 355.6 | 356.0 | 43.1 | 356.0 | 43.1 |
| 18 x 10* | 18.000 x 10.750 | 15.00 | 111.76 | 15.00 | 111.76 |
| 450 x 250 | 457.2 x 273.0 | 381.0 | 50.8 | 381.0 | 50.8 |
| 18 x 12* | 18.000 x 12.750 | 15.00 | 114.84 | 15.00 | 114.84 |
| 450 x 300 | 457.2 x 323.9 | 381.0 | 52.2 | 381.0 | 52.2 |
| 18 x 14* | 18.000 x 14.000 | 15.00 | 117.70 | 15.00 | 117.70 |
| 450 x 350 | 457.2 x 355.6 | 381.0 | 53.5 | 381.0 | 53.5 |

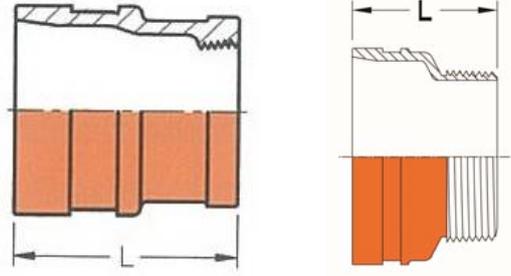
* Segmentally welded carbon steel fitting with roll groove. Sold as "W" series item.

Grooved End Fittings
Rev. 2024.216

Model 7150 Concentric Reducer / 7151 Eccentric Reducer

| Nominal Size | Pipe O.D. | 7150 Concentric Reducer | | 7151 Eccentric Reducer | |
|--------------|-----------------|-------------------------|--------|------------------------|--------|
| | | E-E | Weight | E-E | Weight |
| | | in | lbs | in | lbs |
| mm | mm | mm | kg | mm | kg |
| 18 x 16* | 18.000 x 16.000 | 15.00 | 120.78 | 15.00 | 120.78 |
| 450 x 400 | 457.2 x 406.4 | 381.0 | 54.9 | 381.0 | 54.9 |
| 20 x 12* | 20.000 x 12.750 | 20.00 | 159.72 | 20.00 | 159.72 |
| 500 x 300 | 508.0 x 323.9 | 508.0 | 72.6 | 508.0 | 72.6 |
| 20 x 14* | 20.000 x 14.000 | 20.00 | 163.68 | 20.00 | 163.68 |
| 500 x 350 | 508.0 x 355.6 | 508.0 | 74.4 | 508.0 | 74.4 |
| 20 x 16* | 20.000 x 16.000 | 20.00 | 167.64 | 20.00 | 167.64 |
| 500 x 400 | 508.0 x 406.4 | 508.0 | 76.2 | 508.0 | 76.2 |
| 20 x 18* | 20.000 x 18.000 | 20.00 | 171.60 | 20.00 | 171.6 |
| 500 x 450 | 508.0 x 457.2 | 508.0 | 78.0 | 508.0 | 78.0 |
| 24 x 16* | 24.000 x 16.000 | 20.00 | 197.56 | 20.00 | 197.56 |
| 600 x 400 | 609.6 x 406.4 | 508.0 | 89.8 | 508.0 | 89.8 |
| 24 x 18* | 24.000 x 18.000 | 20.00 | 199.54 | 20.00 | 199.54 |
| 600 x 450 | 609.6 x 457.2 | 508.0 | 90.7 | 508.0 | 90.7 |
| 24 x 20* | 24.000 x 20.000 | 20.00 | 203.50 | 20.00 | 203.50 |
| 600 x 500 | 609.6 x 508.0 | 508.0 | 92.5 | 508.0 | 92.5 |

* Segmentally welded carbon steel fitting with roll groove. Sold as "W" series item.

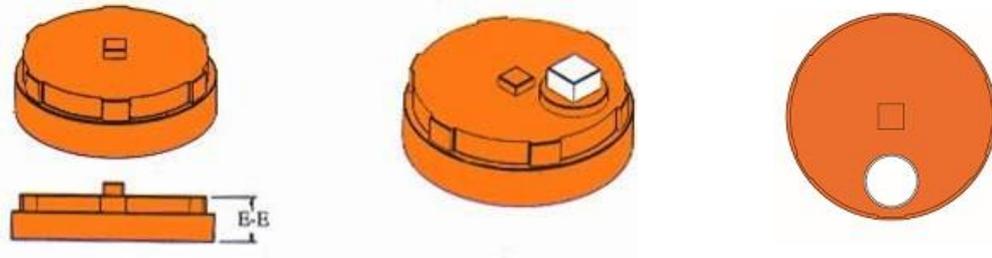


Model 7150F Reducing Socket, 7150M Reducing Nipple

| Nom. Size Gr. X Th. | Pipe O.D. | 7150F | | 7150M | | Nom. Size Gr. X Th. | Pipe O.D. | 7150F | | 7150M | |
|------------------------|---------------|-------|--------|-------|--------|------------------------|---------------|-------|--------|-------|--------|
| | | L | Weight | L | Weight | | | L | Weight | L | Weight |
| in | in | in | lbs | in | lbs | in | in | in | lbs | in | lbs |
| mm | mm | mm | kg | mm | kg | mm | mm | mm | kg | mm | kg |
| 1½ x 1 | 1.900 x 1.315 | 2.5 | 0.60 | 2.5 | 0.53 | 4 x ½* | 4.500 x 0.840 | 3.6 | 2.42 | --- | --- |
| 40 x 25 | 48.3 x 33.4 | 63.5 | 0.27 | 63.5 | 0.24 | 100 x 15 | 114.3 x 21.3 | 91 | 1.10 | --- | --- |
| 2 x 1 | 2.375 x 1.315 | 2.5 | 0.92 | 2.5 | 0.88 | 4 x ¾* | 4.500 x 1.050 | 3.6 | 2.56 | --- | --- |
| 50 x 25 | 60.3 x 33.4 | 63.5 | 0.42 | 63.5 | 0.40 | 100 x 20 | 114.3 x 26.7 | 91 | 1.16 | --- | --- |
| 2 x 1¼ | 2.375 x 1.660 | 2.5 | 1.01 | 2.5 | 0.70 | 4 x 1* | 4.500 x 1.315 | 3.6 | 2.42 | --- | --- |
| 50 x 32 | 60.3 x 42.2 | 63.5 | 0.46 | 63.5 | 0.32 | 100 x 25 | 114.3 x 33.4 | 91 | 1.10 | --- | --- |
| 2 x 1½ | 2.375 x 1.900 | 2.5 | 0.95 | 2.5 | 1.04 | 4 x 1¼ | 4.500 x 1.660 | 3.0 | 2.33 | 3.0 | 2.19 |
| 50 x 40 | 60.3 x 48.3 | 63.5 | 0.43 | 63.5 | 0.47 | 100 x 32 | 114.3 x 42.2 | 76.1 | 1.06 | 76.1 | 0.99 |
| 2½ x 1 | 2.875 x 1.315 | 2.5 | 1.21 | 2.5 | 0.88 | 4 x 1½ | 4.500 x 1.900 | 3.0 | 2.05 | 3.0 | 2.05 |
| 65 x 25 | 73.0 x 33.4 | 63.5 | 0.55 | 63.5 | 0.40 | 100 x 40 | 114.3 x 48.3 | 76.1 | 0.93 | 76.1 | 0.93 |
| 76.1 x 25 | 3.000 x 1.315 | 2.5 | 1.21 | 2.5 | 1.64 | 4 x 2 | 4.500 x 2.375 | 3.0 | 2.29 | 3.0 | 2.31 |
| | 76.1 x 33.4 | 63.5 | 0.55 | 63.5 | 0.75 | 100 x 50 | 114.3 x 60.3 | 76.1 | 1.03 | 76.1 | 1.05 |
| 2½ x 1¼ | 2.875 x 1.660 | 2.5 | 1.17 | 2.5 | 1.59 | 4 x 2½ | 4.500 x 2.875 | 3.0 | 2.25 | 3.0 | 2.05 |
| 65 x 32 | 73.0 x 42.2 | 63.5 | 0.53 | 63.5 | 0.72 | 100 x 65 | 114.3 x 73.0 | 76.1 | 1.02 | 76.1 | 0.93 |
| 76.1 x 32 | 3.000 x 1.660 | 2.5 | 1.17 | 2.5 | 1.59 | 4 x 2½ | 4.500 x 3.000 | 3.0 | 2.25 | 3.0 | 2.05 |
| | 76.1 x 42.2 | 63.5 | 0.53 | 63.5 | 0.72 | 100 x 65 | 114.3 x 76.1 | 76.1 | 1.02 | 76.1 | 0.93 |
| 2½ x 1½ | 2.875 x 1.900 | 2.5 | 1.08 | 2.5 | 1.72 | 5 x 1½ | 5.563 x 1.900 | 3.5 | 3.94 | 3.5 | 2.05 |
| 65 x 40 | 73.0 x 48.3 | 63.5 | 0.49 | 63.5 | 0.78 | 125 x 40 | 141.3 x 48.3 | 88.9 | 1.79 | 88.9 | 0.93 |
| 76.1 x 40 | 3.000 x 1.900 | 2.5 | 1.08 | 2.5 | 1.72 | 139.7 x 40 | 5.500 x 1.900 | 3.5 | 3.94 | 3.5 | 2.05 |
| | 76.1 x 48.3 | 63.5 | 0.49 | 63.5 | 0.78 | | 139.7 x 48.3 | 88.9 | 1.79 | 88.9 | 0.93 |
| 2½ x 2 | 2.875 x 2.375 | 2.5 | 1.52 | 2.5 | 0.92 | 6 x 1½ | 6.625 x 1.900 | 4.0 | 6.47 | 4.0 | 4.84 |
| 65 x 50 | 73.0 x 60.3 | 63.5 | 0.69 | 63.5 | 0.42 | 150 x 40 | 168.3 x 48.3 | 101.6 | 2.94 | 101.6 | 2.20 |

*fabricated

| Model 7150F Reducing Socket, 7150M Reducing Nipple | | | | | | | | | | | |
|--|---------------|-------|--------|-------|--------|------------------------|---------------|-------|--------|-------|--------|
| Nom. Size Gr. X Th. | Pipe O.D. | 7150F | | 7150M | | Nom. Size Gr. X Th. | Pipe O.D. | 7150F | | 7150M | |
| | | L | Weight | L | Weight | | | L | Weight | L | Weight |
| in | in | in | lbs | in | lbs | in | in | in | lbs | in | lbs |
| mm | mm | mm | Kg | mm | kg | mm | mm | mm | kg | mm | kg |
| 76.1 x 50 | 3.000 x 2.375 | 2.5 | 1.52 | 2.5 | 1.09 | 165.1 x 40 | 6.500 x 1.900 | 4.0 | 5.56 | 4.0 | 4.75 |
| | 76.1 x 60.3 | 63.5 | 0.69 | 63.5 | 0.49 | | 165.1 x 48.3 | 101.6 | 2.52 | 101.6 | 2.15 |
| 3 x 1 | 3.500 x 1.315 | 2.5 | 1.91 | 2.5 | 1.25 | 6 x 2 | 6.625 x 2.375 | 4.0 | 5.28 | 4.0 | 4.91 |
| 80 x 25 | 88.9 x 33.4 | 63.5 | 0.87 | 63.5 | 0.57 | 150 x 50 | 168.3 x 60.3 | 101.6 | 2.40 | 101.6 | 2.23 |
| 3 x 1¼ | 3.500 x 1.660 | 2.5 | 1.50 | 2.5 | 1.67 | 165.1 x 50 | 6.500 x 2.375 | 4.0 | 5.28 | 4.0 | 4.91 |
| 80 x 32 | 88.9 x 42.2 | 63.5 | 0.68 | 63.5 | 0.76 | | 165.1 x 60.3 | 101.6 | 2.40 | 101.6 | 2.23 |
| 3 x 1½ | 3.500 x 1.900 | 2.5 | 1.63 | 2.5 | 1.53 | 6 x 2½ | 6.625 x 2.875 | 4.0 | 5.46 | 4.0 | 4.91 |
| 80 x 40 | 88.9 x 48.3 | 63.5 | 0.74 | 63.5 | 0.74 | 150 x 65 | 168.3 x 73.0 | 101.6 | 2.48 | 101.6 | 2.23 |
| 3 x 2 | 3.500 x 2.375 | 2.5 | 1.56 | 2.5 | 1.32 | 165.1 x 76.1 | 6.500 x 3.000 | 4.0 | 4.40 | 4.0 | 4.97 |
| 80 x 50 | 88.9 x 60.3 | 63.5 | 0.71 | 63.5 | 0.60 | | 165.1 x 76.1 | 101.6 | 2.00 | 101.6 | 2.26 |
| 3 x 2½ | 3.500 x 2.875 | 2.5 | 2.20 | 2.5 | 2.20 | 6 x 4 | 6.625 x 4.500 | 4.0 | 6.37 | 4.0 | 4.52 |
| 80 x 65 | 88.9 x 73.0 | 63.5 | 1.00 | 63.5 | 1.00 | 150 x 100 | 168.3 x 114.3 | 101.6 | 2.89 | 101.6 | 2.10 |
| 80 x 76.1 | 3.500 x 3.000 | 2.5 | 2.20 | 2.5 | 2.20 | 165.1 x 100 | 6.500 x 4.500 | 4.0 | 4.52 | 4.0 | 4.52 |
| | 88.9 x 76.1 | 63.5 | 1.00 | 63.5 | 1.00 | | 165.1 x 114.3 | 101.6 | 2.10 | 101.6 | 2.10 |



1"-12"

Models 7160 End Cap / 7160P End Cap with Plug / 7160T Transition Cap

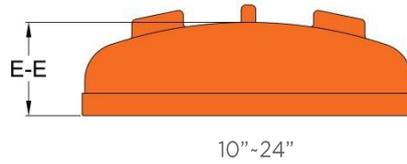
| Nominal Pipe Size | Pipe O.D. | 7160 End Cap | | 7160P / 7160T Plug Size |
|-------------------|-----------|--------------|--------|-------------------------|
| | | E-E | weight | |
| in | in | in | lbs | in |
| mm | mm | mm | kgs | mm |
| 1 | 1.315 | 0.87 | 0.2 | --- |
| 25 | 33.4 | 22 | 0.1 | --- |
| 1¼ | 1.660 | 1.00 | 0.3 | --- |
| 32 | 42.2 | 25 | 0.2 | --- |
| 1½ | 1.900 | 1.00 | 0.4 | --- |
| 40 | 48.3 | 25 | 0.2 | --- |
| 2 | 2.375 | 1.00 | 0.7 | ½ |
| 50 | 60.3 | 25 | 0.3 | 15 |
| 2½ | 2.875 | 1.00 | 0.9 | ½ |
| 65 | 73.0 | 25 | 0.4 | 15 |
| 76.1 | 3.000 | 1.00 | 0.9 | ½ |
| | 76.1 | 25 | 0.4 | 15 |
| 3 | 3.500 | 1.00 | 1.5 | ½ |
| | 80 | 88.9 | 25 | 0.7 |
| 108.0 | 4.250 | 1.00 | 2.4 | --- |
| | 108.0 | 25 | 1.1 | --- |
| 4 | 4.500 | 1.00 | 2.2 | 1 |
| | 100 | 114.3 | 25 | 1.0 |
| 133.0 | 5.250 | 1.00 | 3.7 | --- |
| | 133.0 | 25 | 1.7 | --- |
| 139.7 | 5.500 | 1.00 | 3.7 | 1 |
| | 139.7 | 25 | 1.7 | 25 |
| 5 | 5.563 | 1.00 | 3.7 | 1 |
| | 125 | 141.3 | 25 | 1.7 |
| 159.0 | 6.250 | 1.00 | 5.1 | --- |
| | 159.0 | 25 | 2.3 | --- |
| 165.1 | 6.500 | 1.00 | 6.0 | 1 |
| | 165.1 | 25 | 2.7 | 25 |

Grooved End Fittings
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Models 7160 End Cap / 7160P End Cap with Plug

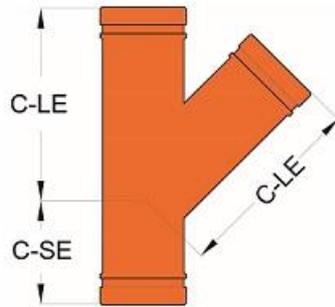
| Nominal Pipe Size | Pipe O.D. | 7160 End Cap | | 7160P Plug Size |
|-------------------|-----------|--------------|--------|-----------------|
| | | E-E | weight | |
| in | in | in | lbs | in |
| mm | mm | mm | kgs | mm |
| 6 | 6.625 | 1.00 | 6.0 | 1 |
| 150 | 168.3 | 25 | 2.7 | 25 |
| 8 | 8.625 | 1.18 | 10.1 | 1½ |
| 200 | 219.1 | 30 | 4.6 | 40 |
| 10 | 10.750 | 1.25 | 15.4 | 1½ |
| 250 | 273.0 | 32 | 7.0 | 40 |
| 12 | 12.750 | 1.25 | 22.0 | 1½ |
| 300 | 323.9 | 32 | 10.0 | 40 |
| 200 JIS | 8.516 | 1.18 | 10.1 | --- |
| | 216.3 | 30 | 4.6 | --- |
| 250 JIS | 10.528 | 1.25 | 15.4 | --- |
| | 267.4 | 32 | 7.0 | --- |
| 300 JIS | 12.539 | 1.25 | 22.0 | --- |
| | 318.5 | 32 | 10.0 | --- |
| 14* | 14.000 | 6.50 | 35.0 | --- |
| 350 | 355.6 | 165.0 | 15.9 | --- |
| 16* | 16.000 | 7.00 | 44.0 | --- |
| 400 | 406.4 | 178.0 | 20.0 | --- |
| 18* | 18.000 | 8.00 | 56.1 | --- |
| 450 | 457.2 | 203.0 | 25.5 | --- |
| 20* | 20.000 | 9.00 | 70.0 | --- |
| 500 | 508.0 | 229.0 | 31.8 | --- |
| 22* | 22.000 | 10.00 | 85.4 | --- |
| 550 | 558.8 | 254.0 | 38.8 | --- |
| 24* | 24.000 | 10.50 | 99.2 | --- |
| 600 | 609.6 | 267.0 | 45.1 | --- |

* Segmentally welded carbon steel fitting with roll groove. Sold as "W" series item.

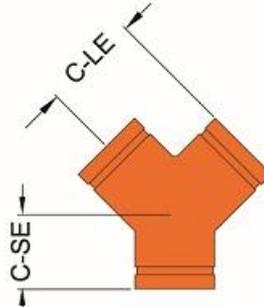


Model 7160H Domed End Cap

| Nominal Pipe Size | Pipe O.D. | #7160H Domed End Cap | |
|-------------------|-----------|----------------------|--------|
| | | E-E | weight |
| in | in | in | Lbs |
| mm | mm | mm | kgs |
| 10 | 10.750 | 3.00 | 12.1 |
| 250 | 273.0 | 76.1 | 5.5 |
| 12 | 12.750 | 3.00 | 16.3 |
| 300 | 323.9 | 76.1 | 7.4 |
| 14 | 14.000 | 4.00 | 26.4 |
| 350 | 355.6 | 102.0 | 12.0 |
| 16 | 16.000 | 4.00 | 32.0 |
| 400 | 406.4 | 102.0 | 14.5 |
| 18 | 18.000 | 5.00 | 39.2 |
| 450 | 457.2 | 127.0 | 17.8 |
| 20 | 20.000 | 6.00 | 53.9 |
| 500 | 508.0 | 152.0 | 24.5 |
| 24 | 24.000 | 6.00 | 75.9 |
| 600 | 609.6 | 152.0 | 34.5 |
| 28 | 28.000 | 10.50 | 125.1 |
| 700 | 711.2 | 266.6 | 56.8 |



7130 45° Lateral



7137 True-Y

Models 7130 / 7137

| Nominal Size | Pipe O.D. | #7130 45° Lateral | | | #7137 True-Y | | |
|-----------------|-----------|-------------------|------|--------|--------------|------|--------|
| | | C - LE | C-SE | Weight | C-LE | C-SE | Weight |
| in | in | in | in | lbs | in | in | lbs |
| mm | mm | mm | mm | kg | mm | mm | kg |
| 2 | 2.375 | 7.00 | 2.75 | 4.4 | 3.25 | 2.75 | 2.5 |
| 50 | 60.3 | 178 | 70 | 2.0 | 83 | 70 | 1.1 |
| 2½ | 2.875 | 7.75 | 3.00 | 6.2 | 3.75 | 3.00 | 3.8 |
| 65 | 73.0 | 197 | 76 | 2.8 | 95 | 76 | 1.7 |
| 76.1 | 3.000 | 7.75 | 3.00 | 6.2 | 3.75 | 3.00 | 4.0 |
| | 76.1 | 197 | 76 | 2.8 | 95 | 76 | 1.8 |
| 3 | 3.500 | 8.50 | 3.25 | 9.2 | 4.25 | 3.25 | 5.5 |
| 80 | 88.9 | 216 | 83 | 4.2 | 108 | 83 | 2.5 |
| 4 | 4.500 | 10.50 | 3.75 | 17.6 | 5.00 | 3.75 | 10.4 |
| 100 | 114.3 | 267 | 95 | 8.0 | 127 | 95 | 4.7 |
| 139.7 | 5.500 | 12.50 | 4.00 | 27.5 | 5.50 | 4.00 | 15.0 |
| | 139.7 | 318 | 102 | 12.5 | 140 | 102 | 6.8 |
| 5 | 5.563 | 12.50 | 4.00 | 27.5 | 5.50 | 4.00 | 11.6 |
| 125 | 141.3 | 318 | 102 | 12.5 | 140 | 102 | 5.3 |
| 165.1 | 6.500 | 14.00 | 4.50 | 40.7 | 6.50 | 4.50 | 19.6 |
| | 165.1 | 356 | 114 | 18.5 | 165 | 114 | 8.9 |
| 6 | 6.625 | 14.00 | 4.50 | 40.7 | 6.50 | 4.50 | 19.6 |
| 150 | 168.3 | 356 | 114 | 18.5 | 165 | 114 | 8.9 |
| 8 | 8.625 | 18.00 | 6.00 | 70.4 | 7.75 | 6.00 | 34.3 |
| 200 | 219.1 | 457 | 152 | 32.0 | 197 | 152 | 15.6 |
| 10 [^] | 10.750 | 20.50 | 6.50 | 138.9 | 9.00 | 6.50 | 56.2 |
| 250 | 273.0 | 521 | 165 | 63.0 | 229 | 165 | 25.5 |
| 12 [^] | 12.750 | 23.00 | 7.00 | 201.7 | 10.00 | 7.00 | 79.4 |
| 300 | 323.9 | 584 | 178 | 91.5 | 254 | 178 | 36.0 |
| 14 [*] | 14.000 | 26.5 | 7.5 | 219.14 | 11.00 | 7.50 | 98.0 |
| 350 | 355.6 | 673 | 191 | 99.4 | 279 | 191 | 44.4 |

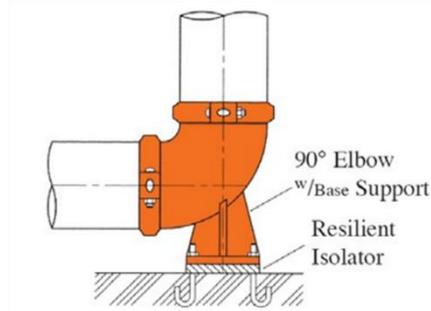
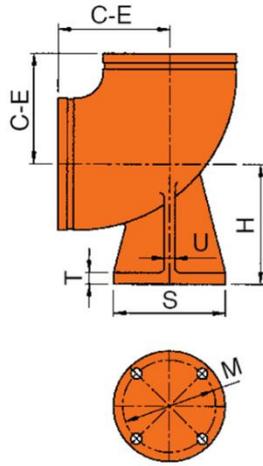
Grooved End Fittings
Rev.2024.216

Models 7130 / 7137

| Nominal Size | Pipe O.D. | #7130 45° Lateral | | | #7137 True-Y | | |
|--------------|-----------|----------------------|------|--------|-----------------|-------|--------|
| | | C - LE | C-SE | Weight | C-LE | C-SE | Weight |
| in | in | in | in | lbs | in | in | lbs |
| mm | mm | mm | mm | kg | mm | mm | kg |
| 16* | 16.000 | 29.0 | 8.0 | 270.5 | 12.00 | 8.00 | 119.3 |
| 400 | 406.4 | 737 | 203 | 122.7 | 305 | 203 | 54.1 |
| 18* | 18.000 | 32.0 | 8.5 | 332.7 | 13.50 | 8.50 | 148.3 |
| 450 | 457.2 | 813 | 216 | 150.9 | 343 | 216 | 67.3 |
| 20* | 20.000 | 35.0 | 9.0 | 401.3 | 15.00 | 9.00 | 180.4 |
| 500 | 508.0 | 889 | 229 | 182.0 | 381 | 229 | 81.8 |
| 22* | 22.000 | --- | --- | --- | --- | --- | --- |
| 550 | 558.8 | --- | --- | --- | --- | --- | --- |
| 24* | 24.000 | 40.0 | 10.0 | 541.3 | 17.00 | 10.00 | 238.3 |
| 600 | 609.6 | 1016 | 254 | 245.5 | 432 | 254 | 108.1 |

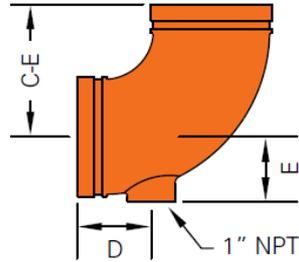
* Segmentally welded carbon steel fitting with roll groove. Sold as "W" series item." under this table.

^ Segmentally welded carbon steel fitting with roll groove. Sold as model 7137.



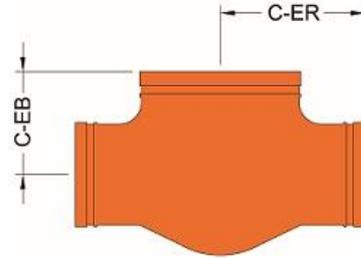
Model 7110-B 90° Elbow, Regular Radius with Base Support

| Nominal Size | Pipe O.D. | Dimensions | | | | | | weight |
|--------------|-----------|------------|-------|------|------|-------|------|--------|
| | | C - E | H | U | T | S | M | |
| in | in | in | in | in | in | in | in | lbs |
| mm | mm | mm | mm | mm | mm | mm | mm | kg |
| 3 | 3.500 | 4.25 | 4.88 | 0.50 | 0.56 | 5.00 | 3.88 | 10.5 |
| 80 | 88.9 | 108 | 124 | 13 | 14 | 127 | 99 | 4.8 |
| 4 | 4.500 | 5.00 | 5.50 | 0.50 | 0.62 | 6.00 | 4.75 | 15.2 |
| 100 | 114.3 | 127 | 140 | 13 | 16 | 152 | 121 | 6.9 |
| 6 | 6.625 | 6.50 | 7.00 | 0.62 | 0.69 | 7.00 | 5.50 | 26.3 |
| 150 | 168.3 | 165 | 178 | 16 | 18 | 178 | 140 | 11.9 |
| 8 | 8.625 | 7.76 | 8.38 | 0.88 | 0.94 | 9.00 | 7.50 | 56.9 |
| 200 | 219.1 | 197 | 213 | 22 | 24 | 229 | 191 | 25.8 |
| 10 | 10.750 | 9.02 | 9.75 | 0.88 | 0.94 | 9.00 | 7.50 | 88.9 |
| 250 | 273.0 | 229 | 248 | 22 | 24 | 229 | 191 | 40.3 |
| 12 | 12.750 | 10.00 | 11.25 | 1.00 | 1.00 | 11.00 | 9.50 | 70.4 |
| 300 | 323.9 | 254 | 286 | 25 | 25 | 279 | 241 | 32.0 |



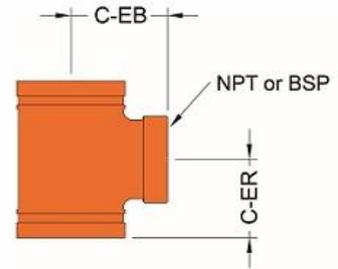
Model 7110DR Drain Elbow

| Nominal Pipe Size | Pipe O.D. | Dimensions | | | Weight |
|-------------------|-----------|------------|------|------|--------|
| | | C-E | D | E | |
| in | in | in | in | in | lbs |
| mm | mm | mm | mm | mm | kg |
| 2 | 2.375 | 3.27 | 2.25 | 1.57 | 2.2 |
| 50 | 60.3 | 83 | 57 | 40 | 1.0 |
| 2½ | 2.875 | 3.75 | 2.75 | 1.57 | 2.8 |
| 65 | 73.0 | 95 | 70 | 40 | 1.3 |
| 76.1 | 3.000 | 3.75 | 2.75 | 1.57 | 2.8 |
| | 76.1 | 95 | 70 | 40 | 1.3 |
| 3 | 3.500 | 4.25 | 2.75 | 1.93 | 4.6 |
| 80 | 88.9 | 108 | 70 | 49 | 2.1 |
| 4 | 4.500 | 5.00 | 2.75 | 2.48 | 6.6 |
| 100 | 114.3 | 127 | 70 | 63 | 3.0 |
| 165.1 | 6.500 | 6.50 | 2.75 | 3.54 | 13.4 |
| | 165.1 | 165 | 70 | 90 | 6.1 |
| 6 | 6.625 | 6.50 | 2.75 | 3.54 | 13.4 |
| 150 | 168.3 | 165 | 70 | 90 | 6.1 |
| 8 | 8.625 | 7.76 | 3.27 | 4.49 | 25.6 |
| 200 | 219.1 | 197 | 83 | 114 | 11.6 |



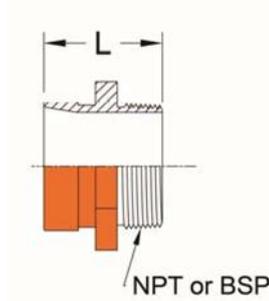
Model 7125 Bullhead Tee

| Nominal Pipe Size | Pipe O.D. | Dimensions | | Weight |
|-------------------|-----------------------|---------------------------|------------------------------|--------|
| | | Center to End of Run C-ER | Center to End of Branch C-EB | |
| in | in | in | in | lbs |
| mm | mm | mm | mm | kg |
| 2 x 2 x 2½ | 2.375 x 2.375 x 2.875 | 3.74 | 3.27 | 4.03 |
| 50 x 50 x 65 | 60.3 x 60.3 x 73.0 | 95 | 83 | 1.83 |
| 2 x 2 x 3 | 2.375 x 2.375 x 3.500 | 4.25 | 3.74 | 4.34 |
| 50 x 50 x 80 | 60.3 x 60.3 x 88.9 | 108 | 95 | 1.97 |
| 2 x 2 x 4 | 2.375 x 2.375 x 4.500 | 5.00 | 4.02 | 7.05 |
| 50 x 50 x 100 | 60.3 x 60.3 x 114.3 | 127 | 102 | 3.20 |
| 2½ x 2½ x 3 | 2.875 x 2.875 x 3.500 | 4.25 | 3.75 | 5.62 |
| 65 x 65 x 80 | 73.0 x 73.0 x 88.9 | 108 | 95 | 2.55 |
| 2½ x 2½ x 4 | 2.875 x 2.875 x 4.500 | 5.00 | 4.00 | 7.32 |
| 65 x 65 x 100 | 73.0 x 73.0 x 114.3 | 127 | 102 | 3.32 |
| 3 x 3 x 4 | 3.500 x 3.500 x 4.500 | 5.00 | 4.00 | 7.94 |
| 80 x 80 x 100 | 88.9 x 88.9 x 114.3 | 127 | 102 | 3.60 |
| 4 x 4 x 6 | 4.500 x 4.500 x 6.625 | 6.50 | 5.00 | 14.99 |
| 100x 100 x 150 | 114.3 x 114.3 x 168.3 | 165 | 127 | 6.80 |
| 5 x 5 x 8 | 5.563 x 5.563 x 8.625 | 7.75 | 5.50 | 31.00 |
| 125 x 125 x 200 | 141.3 x 141.3 x 219.1 | 197 | 140 | 14.00 |
| 6 x 6 x 8 | 6.625 x 6.625 x 8.625 | 7.75 | 6.50 | 29.12 |
| 150 x 150 x 200 | 168.3 x 168.3 x 219.1 | 197 | 165 | 13.21 |



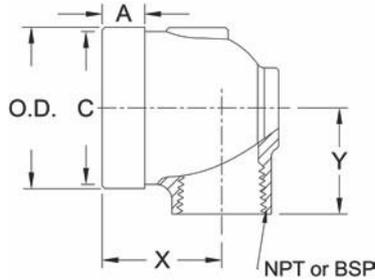
Model 7127 Standpipe Tee

| Nominal Pipe Size | Pipe O.D. | Dimensions | | Weight |
|-------------------|-----------------------|------------------------------|---------------------------------|--------|
| | | Center to End of Run C-ER | Center to End of Branch C-EB | |
| in | in | in | in | lbs |
| mm | mm | mm | mm | kg |
| 4 x 4 x 2½ | 4.500 x 4.500 x 2.875 | 3.25 | 4.00 | 5.84 |
| 100 x 100 x 65 | 114.3 x 114.3 x 73.0 | 83 | 102 | 2.65 |
| 6 x 6 x 2½ | 6.625 x 6.625 x 2.875 | 3.25 | 5.00 | 9.48 |
| 150 x 150 x 65 | 168.3 x 168.3 x 73.0 | 83 | 127 | 4.30 |

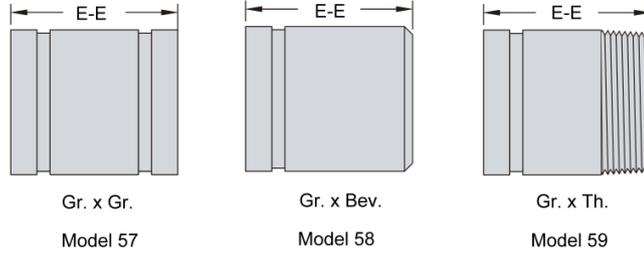


Model 55 Nipple Adapter

| Nominal Size Grooves x Threaded | | Pipe O.D. | L | Weight |
|------------------------------------|--|--------------|------|--------|
| in | | in | in | lbs |
| mm | | mm | mm | kg |
| 1½ x 1½M | | 1.900 | 2.50 | 0.77 |
| 40 x 40M | | 48.3 | 63.5 | 0.35 |
| 2 x 2M | | 2.375 | 2.50 | 0.90 |
| 50 x 50M | | 60.3 | 63.5 | 0.40 |



| Model 899 End-All Fitting | | | | | | | | | | | | |
|------------------------------------|-----------|---------------|-------|-------|-------|-------|--------|-------|-------|-------|------|-----|
| Nominal Size Grooved x Threaded | Pipe O.D. | Threads (NPT) | X | Y | A | C | Weight | | | | | |
| in | in | | in | in | in | in | lbs | | | | | |
| mm | mm | | mm | mm | mm | mm | kg | | | | | |
| 1¼ x ½ | 1.660 | ½ - 14 | 1.750 | 1.190 | 0.625 | | 0.7 | | | | | |
| 32 x 15 | | | 44.5 | 30.1 | | | | | | | | |
| 1¼ x ¾ | 42.2 | ¾ - 14 | 1.750 | 1.190 | | 0.625 | | 0.3 | | | | |
| 32 x 20 | | | 44.5 | 30.1 | | | | | | | | |
| 1¼ x 1 | 42.2 | 1 - 1½ | 1.900 | 1.250 | | | 0.625 | 39.0 | 0.3 | | | |
| 32 x 25 | | | 48.3 | 31.8 | | | | | | | | |
| 1½ x ½ | 1.900 | ½ - 14 | 1.750 | 1.313 | | | | 0.625 | | 0.9 | | |
| 40 x 15 | | | 44.5 | 33.3 | | | | | | | | |
| 1½ x ¾ | 48.3 | ¾ - 14 | 1.750 | 1.313 | | | | | 0.625 | | 0.4 | |
| 40 x 20 | | | 44.5 | 33.3 | | | | | | | | |
| 1½ x 1 | 48.3 | 1 - 1½ | 1.900 | 1.375 | | | | | | 0.625 | 45.1 | 0.4 |
| 40 x 25 | | | 48.3 | 34.9 | | | | | | | | |
| 2 x ½ | 2.375 | ½ - 14 | 1.750 | 1.562 | 15.9 | | | | | | | 1.1 |
| 50 x 15 | | | 44.5 | 39.7 | | | | | | | | |
| 2 x ¾ | 60.3 | ¾ - 14 | 1.750 | 1.562 | | 15.9 | | | | | | 0.5 |
| 50 x 20 | | | 44.5 | 39.7 | | | | | | | | |
| 2 x 1 | 60.3 | 1 - 1½ | 1.900 | 1.625 | | | 15.9 | | | | 57.2 | 0.5 |
| 50 x 25 | | | 48.3 | 41.3 | | | | | | | | |
| 2½ x ½ | 2.875 | ½ - 14 | 1.750 | 1.750 | | | | 15.9 | | | | 1.3 |
| 65 x 15 | | | 44.5 | 44.5 | | | | | | | | |
| 2½ x ¾ | 73.0 | ¾ - 14 | 1.750 | 1.750 | | | | | 15.9 | | | 0.6 |
| 65 x 20 | | | 44.5 | 44.5 | | | | | | | | |
| 2½ x 1 | 73.0 | 1 - 1½ | 1.900 | 1.813 | | | | | | 15.9 | 69.1 | 0.6 |
| 65 x 25 | | | 48.3 | 46.0 | | | | | | | | |



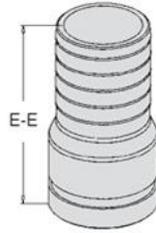
Model 57 / 58 / 59 Nipples

| Nominal Pipe Size | Pipe O.D. | 57 (Gr x Gr) | | 58 (Gr x Bev) | | 59 (Gr x Th) | |
|-------------------|-----------|--------------|--------|---------------|--------|--------------|--------|
| | | E-E | Weight | E-E | Weight | E-E | Weight |
| in | in | in | lbs | in | lbs | in | lbs |
| mm | mm | mm | kg | mm | kg | mm | kg |
| ¾ | 1.050 | 3 | 0.29 | 3 | 0.29 | 3 | 0.29 |
| 20 | 26.7 | 76 | 0.13 | 76 | 0.13 | 76 | 0.13 |
| 1 | 1.315 | 3 | 0.42 | 3 | 0.42 | 4 | 0.46 |
| 25 | 33.4 | 76 | 0.19 | 76 | 0.19 | 102 | 0.21 |
| 1¼ | 1.660 | 4 | 0.68 | 4 | 0.70 | 4 | 0.66 |
| 32 | 42.2 | 102 | 0.31 | 102 | 0.32 | 102 | 0.30 |
| 1¼ | 1.660 | 6 | 1.02 | 6 | 1.05 | 6 | 0.99 |
| 32 | 42.2 | 152 | 0.47 | 152 | 0.48 | 152 | 0.45 |
| 1½ | 1.900 | --- | --- | --- | --- | 3 | 0.60 |
| 40 | 48.3 | --- | --- | --- | --- | 76 | 0.27 |
| 1½ | 1.900 | 4 | 0.82 | 4 | 0.84 | 4 | 0.79 |
| 40 | 48.3 | 102 | 0.37 | 102 | 0.38 | 102 | 0.36 |
| 1½ | 1.900 | 6 | 1.22 | 6 | 1.26 | 6 | 1.19 |
| 40 | 48.3 | 152 | 0.56 | 152 | 0.57 | 152 | 0.54 |
| 2 | 2.375 | --- | --- | --- | --- | 3 | 0.83 |
| 50 | 60.3 | --- | --- | --- | --- | 76 | 0.38 |
| 2 | 2.375 | 4 | 1.10 | 4 | 1.10 | 4 | 1.10 |
| 50 | 60.3 | 102 | 0.50 | 102 | 0.50 | 102 | 0.50 |
| 2 | 2.375 | 6 | 1.65 | 6 | 1.65 | 6 | 1.65 |
| 50 | 60.3 | 152 | 0.75 | 152 | 0.75 | 152 | 0.75 |
| 2½ | 2.875 | --- | --- | --- | --- | 3 | 1.16 |
| 65 | 73.0 | --- | --- | --- | --- | 76 | 0.54 |
| 2½ | 2.875 | 4 | 1.76 | 4 | 1.76 | 4 | 1.54 |
| 65 | 73.0 | 102 | 0.80 | 102 | 0.80 | 102 | 0.72 |
| 2½ | 2.875 | 6 | 2.64 | 6 | 2.64 | 6 | 2.31 |
| 65 | 73.0 | 152 | 1.20 | 152 | 1.20 | 152 | 1.08 |

Grooved End Fittings
Rev.2024.216

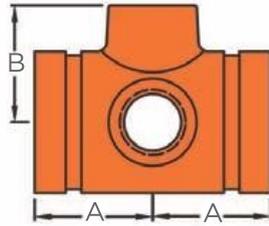
| Model 57 / 58 / 59 Nipples | | | | | | | |
|----------------------------|-----------|--------------|--------|---------------|--------|--------------|--------|
| Nominal Pipe Size | Pipe O.D. | 57 (Gr x Gr) | | 58 (Gr x Bev) | | 59 (Gr x Th) | |
| | | E-E | Weight | E-E | Weight | E-E | Weight |
| in | in | in | lbs | in | lbs | in | lbs |
| mm | mm | mm | kg | mm | kg | mm | kg |
| 76.1 | 3.000 | --- | --- | --- | --- | 3 | 1.49 |
| | 76.1 | --- | --- | --- | --- | 76 | 0.68 |
| 76.1 | 3.000 | 4 | 1.98 | 4 | 1.98 | 4 | 1.98 |
| | 76.1 | 102 | 0.90 | 102 | 0.90 | 102 | 0.90 |
| 76.1 | 3.000 | 6 | 2.97 | 6 | 2.97 | 6 | 2.97 |
| | 76.1 | 152 | 1.35 | 152 | 1.35 | 152 | 1.35 |
| 3 | 3.500 | --- | --- | --- | --- | 3 | 1.65 |
| 80 | 88.9 | --- | --- | --- | --- | 76 | 0.75 |
| 3 | 3.500 | 4 | 2.40 | 4 | 2.40 | 4 | 2.20 |
| 80 | 88.9 | 102 | 1.10 | 102 | 1.10 | 102 | 1.00 |
| 3 | 3.500 | 6 | 3.60 | 6 | 3.60 | 6 | 3.30 |
| 80 | 88.9 | 152 | 1.65 | 152 | 1.65 | 152 | 1.50 |
| 4 | 4.500 | 6 | 5.17 | 6 | 5.17 | 6 | 4.84 |
| 100 | 114.3 | 152 | 2.35 | 152 | 2.35 | 152 | 2.20 |
| 5 | 5.563 | 6 | 7.26 | 6 | 7.26 | 6 | 6.60 |
| 125 | 141.3 | 152 | 3.30 | 152 | 3.30 | 152 | 3.00 |
| 139.7 | 5.500 | 6 | 7.26 | 6 | 7.26 | 6 | 6.60 |
| | 139.7 | 152 | 3.30 | 152 | 3.30 | 152 | 3.00 |
| 6 | 6.625 | 6 | 9.90 | 6 | 9.90 | 6 | 9.81 |
| 150 | 168.3 | 152 | 4.50 | 152 | 4.50 | 152 | 4.46 |
| 165.1 | 6.500 | 6 | 9.46 | 6 | 9.46 | 6 | 9.81 |
| | 165.1 | 152 | 4.30 | 152 | 4.30 | 152 | 4.46 |
| 8 | 8.625 | 6 | 14.30 | 6 | 14.30 | --- | --- |
| 200 | 219.1 | 152 | 6.50 | 152 | 6.50 | --- | --- |
| 10 | 10.750 | 8 | 27.06 | 8 | 19.00 | --- | --- |
| 250 | 273.0 | 203 | 12.30 | 203 | 8.66 | --- | --- |

| Model 57 / 58 / 59 Nipples | | | | | | | |
|----------------------------|-----------|--------------|--------|---------------|--------|--------------|--------|
| Nominal Pipe Size | Pipe O.D. | 57 (Gr x Gr) | | 58 (Gr x Bev) | | 59 (Gr x Th) | |
| | | E-E | Weight | E-E | Weight | E-E | Weight |
| in | in | in | lbs | in | lbs | in | lbs |
| mm | mm | mm | kg | mm | kg | mm | kg |
| 12 | 12.750 | 8 | 35.64 | 8 | 22.35 | --- | --- |
| 300 | 323.9 | 203 | 16.20 | 203 | 10.16 | --- | --- |
| 200 JIS | 8.516 | 6 | 14.30 | 6 | 14.30 | --- | --- |
| | 216.3 | 152 | 6.50 | 152 | 6.50 | --- | --- |
| 250 JIS | 10.528 | 8 | 27.06 | 8 | 19.00 | --- | --- |
| | 267.4 | 203 | 12.30 | 203 | 8.66 | --- | --- |
| 300 JIS | 12.539 | 8 | 35.64 | 8 | 22.35 | --- | --- |
| | 318.5 | 203 | 16.20 | 203 | 10.16 | --- | --- |
| 14 | 14.000 | 8 | 36.38 | 8 | 36.38 | --- | --- |
| 350 | 355.6 | 203 | 16.50 | 203 | 16.50 | --- | --- |
| 16 | 16.000 | 8 | 41.67 | 8 | 41.67 | --- | --- |
| 400 | 406.4 | 203 | 18.90 | 203 | 18.90 | --- | --- |
| 18 | 18.000 | 8 | 47.19 | 8 | 47.19 | --- | --- |
| 450 | 457.0 | 203 | 21.40 | 203 | 21.40 | --- | --- |
| 20 | 20.000 | 8 | 52.48 | 8 | 52.48 | --- | --- |
| 500 | 508.0 | 203 | 23.80 | 203 | 23.80 | --- | --- |
| 24 | 24.000 | 8 | 63.28 | 8 | 63.28 | --- | --- |
| 600 | 610.0 | 203 | 28.70 | 203 | 28.70 | --- | --- |



Model 56 Hose Nipple

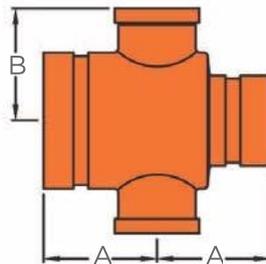
| Nominal Pipe Size | | Pipe O.D. | E-E | Weight |
|-------------------|----|-----------|------|--------|
| In | mm | in | in | lbs |
| | | mm | mm | kg |
| 1 | | 1.315 | 3.3 | 0.4 |
| 25 | | 33.4 | 83 | 0.2 |
| 1¼ | | 1.660 | 3.6 | 0.7 |
| 32 | | 42.2 | 92 | 0.3 |
| 1½ | | 1.900 | 4.0 | 0.7 |
| 40 | | 48.3 | 102 | 0.3 |
| 2 | | 2.375 | 4.6 | 1.2 |
| 50 | | 60.3 | 117 | 0.6 |
| 2½ | | 2.875 | 5.5 | 2.2 |
| 65 | | 73.0 | 140 | 1.0 |
| 3 | | 3.500 | 6.0 | 3.3 |
| 80 | | 88.9 | 152 | 1.5 |
| 4 | | 4.500 | 7.25 | 5.5 |
| 100 | | 114.3 | 184 | 2.5 |
| 5 | | 5.563 | 9.75 | 8.1 |
| 125 | | 141.3 | 248 | 3.7 |
| 6 | | 6.625 | 11.0 | 14.5 |
| 150 | | 168.3 | 279 | 6.6 |
| 8 | | 8.625 | 12.5 | 24.2 |
| 200 | | 219.1 | 318 | 11.0 |
| 10 | | 10.750 | 14.0 | 29.0 |
| 250 | | 273.0 | 356 | 13.2 |
| 12 | | 12.750 | 16.0 | 46.0 |
| 300 | | 323.9 | 406 | 20.9 |



Model 850 Sprinkler Hub

| Size | A | B | Weight |
|------------------|------|------|--------|
| in | in | in | lbs |
| mm | mm | mm | kg |
| 2 x 2 x 1 (3) | 2.38 | 2.02 | 2.20 |
| 50 x 50 x 25 (3) | 60 | 51 | 1.00 |
| 2½ x 2½ x 1 (3) | 2.38 | 2.25 | 2.75 |
| 65 x 65 x 25 (3) | 60 | 57 | 1.25 |

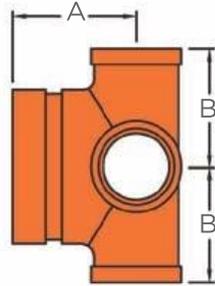
(): Number of outlets



Model 851 Reducing Sprinkler Hub

| Size | A | B | Weight |
|------------------|------|------|--------|
| in | in | in | lbs |
| mm | mm | mm | kg |
| 2 x 1½ x 1 (3) | 2.38 | 2.02 | 2.20 |
| 50 x 40 x 25 (3) | 60 | 51 | 1.00 |
| 2½ x 1½ x 1 (3) | 2.38 | 2.25 | 2.65 |
| 65 x 40 x 25 (3) | 60 | 57 | 1.20 |
| 2½ x 2 x 1 (3) | 2.38 | 2.25 | 2.86 |
| 65 x 50 x 25 (3) | 60 | 60 | 1.30 |

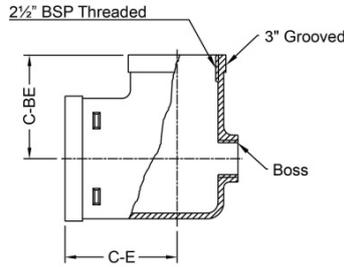
(): Number of outlets



Model 853 Sprinkler Hub

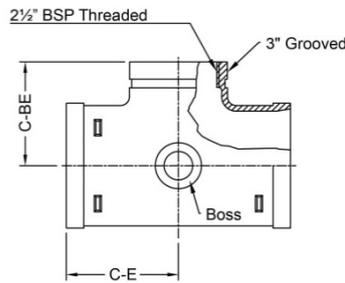
| Size | A | B | Weight |
|-------------|------|------|--------|
| in | in | in | lbs |
| mm | mm | mm | kg |
| 1½ x 1 (4) | 2.38 | 1.80 | 1.76 |
| 40 x 25 (4) | 60 | 46 | 0.8 |
| 2 x 1 (4) | 2.38 | 2.02 | 2.20 |
| 50 x 25 (4) | 60 | 51 | 1.00 |
| 2½ x 1 (4) | 2.38 | 2.25 | 2.64 |
| 65 x 25 (4) | 60 | 57 | 1.20 |

(): Number of outlets



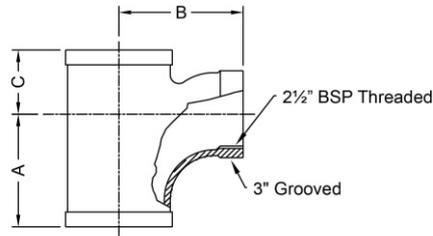
Model 7114 Hydrant Elbow

| Nominal Pipe Size | Pipe O.D. | C-E | C-BE | Weight |
|--------------------|-----------------------|------|------|--------|
| in | in | in | in | lbs |
| mm | mm | mm | mm | kg |
| 4 x 3 x 1 | 4.500 x 3.500 x 1.315 | 4.00 | 3.75 | 5.95 |
| 100 x 80 x 25 | 114.3 x 88.9 x 33.4 | 102 | 95 | 2.70 |
| 165.1 mm x 80 x 25 | 6.500 x 3.500 x 1.315 | 5.13 | 5.13 | 8.8 |
| | 165.1 x 88.9 x 33.4 | 130 | 130 | 4.0 |



Model 7122 Hydrant Tee

| Nominal Pipe Size | Pipe O.D. | C-E | C-BE | Weight |
|--------------------------|-----------------------|------|------|--------|
| in | in | in | in | lbs |
| mm | mm | mm | mm | kg |
| 4 x 4 x 3 | 4.500 x 4.500 x 3.500 | 4.00 | 4.00 | 7.72 |
| 100 x 100 x 80 | 114.3 x 114.3 x 88.9 | 102 | 102 | 3.50 |
| 165.1 mm x 165.1 mm x 80 | 6.500 x 6.500 x 3.500 | 5.13 | 5.13 | 12.21 |
| | 165.1 x 165.1 x 88.9 | 130 | 130 | 5.54 |



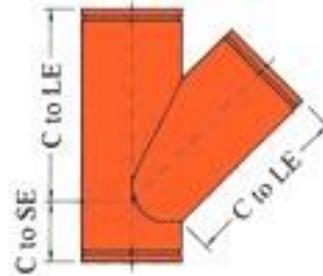
Model 7133 Pitcher Tee

| Nominal Pipe Size | Pipe O.D. | Hydrant Outlet | Dimensions | | | Weight |
|---------------------|-----------------------|----------------|------------|------|------|--------|
| | | | A | B | C | |
| mm | in | | in | in | in | lbs |
| | mm | | mm | mm | mm | kg |
| 80 x 80 x 76.1 mm | 3.500 x 3.500 x 3.000 | Taper | 4.75 | 4.75 | 2.72 | 6.2 |
| | 88.9 x 88.9 x 76.1 | BSP | 121 | 121 | 69 | 2.8 |
| 100 x 100 x 76.1 mm | 4.500 x 4.500 x 3.000 | Taper | 4.75 | 5.25 | 2.72 | 7.5 |
| | 114.3 x 114.3 x 76.1 | BSP | 121 | 133 | 69 | 3.4 |
| 150 x 150 x 76.1 mm | 6.500 x 6.500 x 3.000 | Taper | 4.75 | 6.25 | 2.72 | 19.1 |
| | 165.1 x 165.1 x 76.1 | BSP | 121 | 159 | 69 | 8.7 |

MODEL W131 45° REDUCING LATERAL

Material: Fabricated with ASTM A234 Gr. WPB, standard weight (0.375" or 9.5 mm), or segmentally welded carbon steel of the same or equivalent grade.

C-LE and C-SE dimensions: manufacturer's standard.

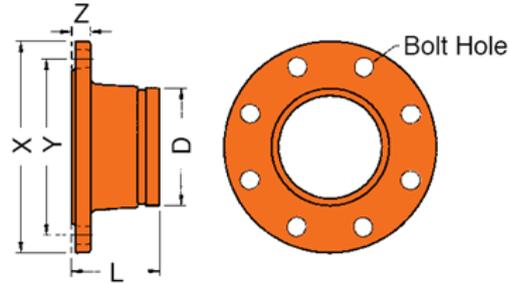


| Model W131 45° Lateral | | | | | |
|------------------------|--------------------------|------|------|--------|--|
| Nominal Pipe Size | Pipe O.D. | C-LE | C-SE | Weight | |
| in | in | in | in | lbs | |
| mm | mm | mm | mm | kg | |
| 14 x 14 x 4 | 14.000 x 14.000 x 4.500 | 26.5 | 7.5 | 175.9 | |
| 350 x 350 x 100 | 355.6 x 355.6 x 114.3 | 673 | 191 | 79.8 | |
| 14 x 14 x 6 | 14.000 x 14.000 x 6.625 | 26.5 | 7.5 | 185.9 | |
| 350 x 350 x 150 | 355.6 x 355.6 x 168.3 | 673 | 191 | 84.3 | |
| 14 x 14 x 8 | 14.000 x 14.000 x 8.625 | 26.5 | 7.5 | 195.0 | |
| 350 x 350 x 200 | 355.6 x 355.6 x 219.1 | 673 | 191 | 88.4 | |
| 14 x 14 x 10 | 14.000 x 14.000 x 10.750 | 26.5 | 7.5 | 204.4 | |
| 350 x 350 x 250 | 355.6 x 355.6 x 273.0 | 673 | 191 | 92.7 | |
| 14 x 14 x 12 | 14.000 x 14.000 x 12.750 | 26.5 | 7.5 | 213.3 | |
| 350 x 350 x 300 | 355.6 x 355.6 x 323.9 | 673 | 191 | 96.8 | |
| 16 x 16 x 6 | 16.000 x 16.000 x 6.625 | 29.0 | 8.0 | 226.4 | |
| 400 x 400 x 150 | 406.4 x 406.4 x 168.3 | 737 | 203 | 102.7 | |
| 16 x 16 x 8 | 16.000 x 16.000 x 8.625 | 29.0 | 8.0 | 236.0 | |
| 400 x 400 x 200 | 406.4 x 406.4 x 219.1 | 737 | 203 | 107.1 | |
| 16 x 16 x 10 | 16.000 x 16.000 x 10.750 | 29.0 | 8.0 | 246.0 | |
| 400 x 400 x 250 | 406.4 x 406.4 x 273.0 | 737 | 203 | 111.6 | |
| 16 x 16 x 12 | 16.000 x 16.000 x 12.750 | 29.0 | 8.0 | 255.1 | |
| 400 x 400 x 300 | 406.4 x 406.4 x 323.9 | 737 | 203 | 115.7 | |
| 16 x 16 x 14 | 16.000 x 16.000 x 14.000 | 29.0 | 8.0 | 260.9 | |
| 400 x 400 x 350 | 406.4 x 406.4 x 355.6 | 737 | 203 | 118.4 | |
| 18 x 18 x 6 | 18.000 x 18.000 x 6.625 | 32.0 | 8.5 | 274.8 | |
| 450 x 450 x 150 | 457.2 x 457.2 x 168.3 | 813 | 216 | 124.6 | |
| 18 x 18 x 8 | 18.000 x 18.000 x 8.625 | 32.0 | 8.5 | 285.3 | |
| 450 x 450 x 200 | 457.2 x 457.2 x 219.1 | 813 | 216 | 129.4 | |
| 18 x 18 x 12 | 18.000 x 18.000 x 12.750 | 32.0 | 8.5 | 306.2 | |
| 450 x 450 x 300 | 457.2 x 457.2 x 323.9 | 813 | 216 | 138.9 | |
| 18 x 18 x 14 | 18.000 x 18.000 x 14.000 | 32.0 | 8.5 | 312.4 | |
| 450 x 450 x 350 | 457.2 x 457.2 x 355.6 | 813 | 216 | 141.7 | |
| 18 x 18 x 16 | 18.000 x 18.000 x 16.000 | 32.0 | 8.5 | 322.4 | |
| 450 x 450 x 400 | 457.2 x 457.2 x 406.4 | 813 | 216 | 146.2 | |

Grooved End Fittings
Rev.2024.216

| Model W131 45° Lateral | | | | | |
|------------------------|--------------------------|------|------|--------|--|
| Nominal Pipe Size | Pipe O.D. | C-LE | C-SE | Weight | |
| in | in | in | in | lbs | |
| mm | mm | mm | mm | kg | |
| 20 x 20 x 12 | 20.000 x 20.000 x 12.750 | 35.0 | 9.0 | 362.1 | |
| 500 x 500 x 300 | 508.0 x 508.0 x 323.9 | 889 | 229 | 164.3 | |
| 20 x 20 x 14 | 20.000 x 20.000 x 14.000 | 35.0 | 9.0 | 368.7 | |
| 500 x 500 x 350 | 508.0 x 508.0 x 355.6 | 889 | 229 | 167.2 | |
| 20 x 20 x 16 | 20.000 x 20.000 x 16.000 | 35.0 | 9.0 | 379.4 | |
| 500 x 500 x 400 | 508.0 x 508.0 x 406.4 | 889 | 229 | 172.1 | |
| 24 x 24 x 16 | 24.000 x 24.000 x 16.000 | 40.0 | 10.0 | 494.9 | |
| 600 x 600 x 400 | 609.6 x 609.6 x 406.4 | 1016 | 254 | 224.5 | |
| 24 x 24 x 20 | 24.000 x 24.000 x 20.000 | 40.0 | 10.0 | 517.7 | |
| 600 x 600 x 500 | 609.6 x 609.6 x 508.0 | 1016 | 254 | 254.8 | |

MODEL 7170 FLANGE ADAPTER ANSI CLASS 125/150

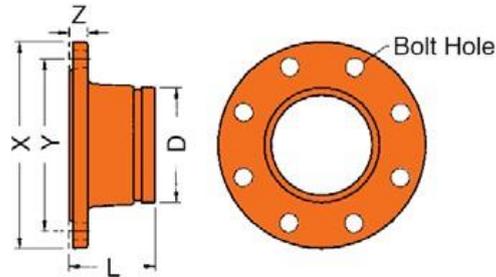


Model 7170 Flange Adapter ANSI Class 125/150

| Nominal Pipe Size | X | Y | Z | Bolt Size | Bolt Hole | | D | L | Weight |
|-------------------|-------|-------|------|-----------|-----------|-----|-------|-------|--------|
| | | | | | Dia. | No. | | | |
| in | in | in | in | in | in | | in | in | lbs |
| mm | mm | mm | mm | in | in | | mm | mm | kg |
| 10 | 15.98 | 14.25 | 1.18 | 7/8 | 1 | 12 | 10.75 | 5.00 | 48.4 |
| 250 | 406.0 | 362.0 | 30.0 | 7/8 | 1 | 12 | 273.0 | 127.0 | 22.0 |
| 12 | 19.00 | 17.00 | 1.25 | 7/8 | 1 | 12 | 12.75 | 5.00 | 61.6 |
| 300 | 483.0 | 432.0 | 32.0 | 7/8 | 1 | 12 | 323.9 | 127.0 | 28.0 |
| 14 | 21.00 | 18.75 | 1.38 | 1 | 1 1/8 | 12 | 14.00 | 5.00 | 108.9 |
| 350 | 533.0 | 476.3 | 35.0 | 1 | 1 1/8 | 12 | 355.6 | 127.0 | 49.5 |
| 16 | 23.50 | 21.25 | 1.46 | 1 | 1 1/8 | 16 | 16.00 | 5.00 | 110.0 |
| 400 | 597.0 | 539.7 | 37.0 | 1 | 1 1/8 | 16 | 406.4 | 127.0 | 50.0 |
| 18 | 25.00 | 22.75 | 1.57 | 1 1/8 | 1 1/4 | 16 | 18.00 | 5.50 | 137.5 |
| 450 | 635.0 | 577.8 | 40.0 | 1 1/8 | 1 1/4 | 16 | 457.2 | 140.0 | 62.5 |
| 20 | 27.50 | 25.00 | 1.69 | 1 1/8 | 1 1/4 | 20 | 20.00 | 5.71 | 158.4 |
| 500 | 699.0 | 635.0 | 43.0 | 1 1/8 | 1 1/4 | 20 | 508.0 | 145.0 | 72.0 |
| 24 | 32.00 | 29.50 | 1.89 | 1 1/4 | 1 3/8 | 20 | 24.00 | 6.00 | 218.9 |
| 600 | 813.6 | 749.3 | 48.0 | 1 1/4 | 1 3/8 | 20 | 609.6 | 152.0 | 99.5 |

MODEL 7170 FLANGE ADAPTER ANSI CLASS 300 (Fabricated)

The Model 7170 Flange Adapter (fabricated) in sizes 2" ~ 6" provide a direct connection to Class 300 flanges.

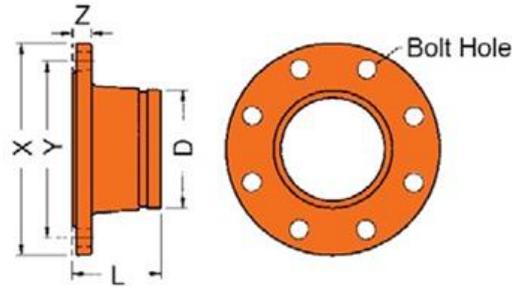


Model 7170 Flange Adapter ANSI Class 300

| Nominal Pipe Size | X | Y | Z | Bolt Size | Bolt Hole | | D | L | Weight |
|-------------------|-------|--------|-------|-----------|-----------|-----|-------|-------|--------|
| | | | | | Dia. | No. | | | |
| in | in | in | in | in | in | | in | in | lbs |
| mm | mm | mm | mm | mm | mm | | mm | mm | kg |
| 2 | 6.50 | 5.000 | 0.875 | 5/8 | 3/4 | 8 | 2.375 | 4.00 | 8.58 |
| 50 | 165.0 | 127.0 | 22.0 | 5/8 | 3/4 | 8 | 60.3 | 101.6 | 3.9 |
| 2½ | 7.50 | 5.875 | 1.000 | 3/4 | 7/8 | 8 | 3.000 | 4.00 | 10.12 |
| 65 | 191.0 | 149.0 | 25.0 | 3/4 | 7/8 | 8 | 76.1 | 101.6 | 4.6 |
| 3 | 8.25 | 6.625 | 1.125 | 3/4 | 7/8 | 8 | 3.500 | 4.00 | 10.34 |
| 80 | 210.0 | 168.0 | 29.0 | 3/4 | 7/8 | 8 | 88.9 | 101.6 | 4.7 |
| 4 | 10.00 | 7.875 | 1.250 | 3/4 | 7/8 | 8 | 4.500 | 6.00 | 16.94 |
| 100 | 254.0 | 200.0 | 32.0 | 3/4 | 7/8 | 8 | 114.3 | 152.4 | 7.7 |
| 6 | 12.50 | 10.625 | 1.438 | 3/4 | 7/8 | 12 | 6.500 | 6.00 | 28.60 |
| 150 | 318.0 | 270.0 | 37.0 | 3/4 | 7/8 | 12 | 165.1 | 152.4 | 13.0 |

MODEL 7170 FLANGE ADAPTER PN 25 (Fabricated)

The Model 7170 Flange Adapter (fabricated) in sizes 2" ~ 16" provide a direct connection to PN 25 flanges.

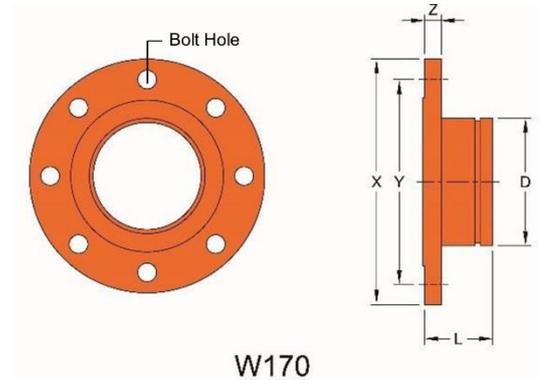


Model 7170 Flange Adapter PN 25

| Nominal Pipe Size | X | Y | Z | Bolt Size | Bolt Hole | | D | L | Weight |
|-------------------|-------|-------|------|-----------|-----------|-----|-------|-------|--------|
| | | | | | Dia. | No. | | | |
| mm | mm | mm | mm | mm | mm | | mm | mm | kg |
| 50 | 165.0 | 125.0 | 20.0 | M16 | 18.0 | 4 | 60.3 | 101.6 | 3.0 |
| 65 | 165.0 | 145.0 | 22.0 | M16 | 18.0 | 8 | 73.0 | 101.6 | 4.0 |
| 65 | 185.0 | 145.0 | 22.0 | M16 | 18.0 | 8 | 76.1 | 101.6 | 4.0 |
| 80 | 200.0 | 160.0 | 24.0 | M16 | 18.0 | 8 | 88.9 | 101.6 | 5.0 |
| 100 | 235.0 | 190.0 | 24.0 | M20 | 22.0 | 8 | 114.3 | 152.4 | 6.5 |
| 125 | 270.0 | 220.0 | 26.0 | M24 | 26.0 | 8 | 141.3 | 152.4 | 9.0 |
| 150 | 300.0 | 250.0 | 28.0 | M24 | 26.0 | 8 | 165.1 | 152.4 | 11.5 |
| 200 | 360.0 | 310.0 | 32.0 | M24 | 26.0 | 12 | 219.1 | 152.4 | 17.0 |
| 250 | 425.0 | 370.0 | 35.0 | M27 | 30.0 | 12 | 273.0 | 203.2 | 24.0 |
| 300 | 485.0 | 430.0 | 38.0 | M27 | 30.0 | 16 | 323.9 | 203.2 | 31.5 |
| 350 | 555.0 | 490.0 | 42.0 | M30 | 33.0 | 16 | 355.6 | 203.2 | 48.0 |
| 400 | 620.0 | 550.0 | 46.0 | M33 | 36.0 | 16 | 406.4 | 203.2 | 63.0 |

**MODEL W170 FLANGE ADAPTER
PN 10/16**

The Model W170 Flange Adapter fabricated in sizes 10" ~ 24" (250 mm ~ 600 mm) provide a direct connection to PN 10/16 flanges. Dimensions conform to BS EN 1092.

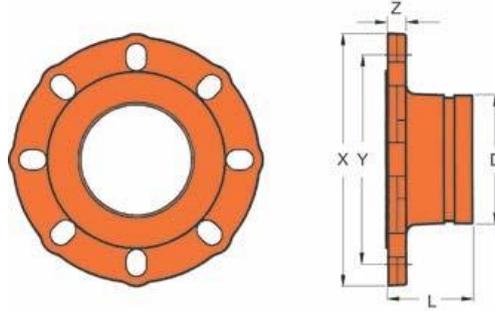


Model W170 Flange Adapter - PN 10

| Nominal Pipe Size | X | Y | Z | Bolt Size | Bolt Hole | | D | L | Weight |
|-------------------|-------|-------|----|-----------|-----------|-----|-------|-------|--------|
| | | | | | Dia. | No. | | | |
| mm | mm | mm | mm | | mm | | mm | mm | kg |
| 250 | 395.0 | 350.0 | 26 | M20 | 22.0 | 12 | 273.0 | 114.0 | 18.2 |
| 300 | 445.0 | 400.0 | 26 | M20 | 22.0 | 12 | 323.9 | 114.0 | 21.4 |
| 350 | 505.0 | 460.0 | 30 | M20 | 22.0 | 16 | 355.6 | 127.0 | 31.1 |
| 400 | 565.0 | 515.0 | 32 | M24 | 26.0 | 16 | 406.4 | 127.0 | 38.1 |
| 450 | 615.0 | 565.0 | 36 | M24 | 26.0 | 20 | 457.0 | 152.0 | 48.2 |
| 500 | 670.0 | 620.0 | 38 | M24 | 26.0 | 20 | 508.0 | 152.0 | 56.4 |
| 600 | 780.0 | 725.0 | 42 | M27 | 30.0 | 20 | 610.0 | 152.0 | 74.0 |

Model W170 Flange Adapter - PN 16

| Nominal Pipe Size | X | Y | Z | Bolt Size | Bolt Hole | | D | L | Weight |
|-------------------|-------|-------|----|-----------|-----------|-----|-------|-----|--------|
| | | | | | Dia. | No. | | | |
| mm | mm | mm | mm | | mm | | mm | mm | kg |
| 250 | 405.0 | 355.0 | 29 | M24 | 26.0 | 12 | 273.0 | 114 | 20.4 |
| 300 | 460.0 | 410.0 | 32 | M24 | 26.0 | 12 | 323.9 | 114 | 26.5 |
| 350 | 520.0 | 470.0 | 35 | M24 | 26.0 | 16 | 355.6 | 140 | 38.1 |
| 400 | 580.0 | 525.0 | 38 | M27 | 30.0 | 16 | 406.4 | 140 | 47.2 |
| 450 | 640.0 | 585.0 | 42 | M27 | 30.0 | 20 | 457.0 | 165 | 61.4 |
| 500 | 715.0 | 650.0 | 46 | M30 | 33.0 | 20 | 508.0 | 165 | 80.4 |
| 600 | 840.0 | 770.0 | 55 | M33 | 36.0 | 20 | 610.0 | 190 | 123.8 |

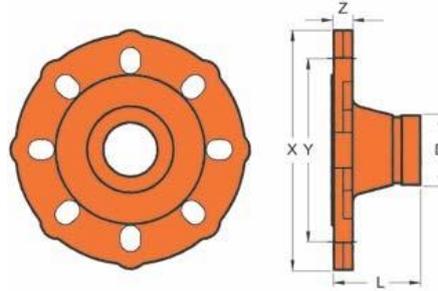


Model 7180 Universal Flange Adapter

| Nominal Size | Pipe O.D. | L | X | Y: Flange Drilling | | | | Z | Bolts | | Weight |
|--------------|-----------|------|-------|--------------------|----------|---------|--------|------|-----------|--------|--------|
| | | | | ANSI 125/150 | PN 10/16 | JIS 10K | BS 10E | | Dia. | No. | |
| in | in | in | in | in | in | in | in | in | in | | lbs |
| mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | | kg |
| 2 | 2.375 | 2.50 | 6.50 | 4.75 | 4.92 | 4.72 | 4.49 | 0.63 | 5/8 | 4 | 5.10 |
| 50 | 60.3 | 64 | 165 | 121 | 125 | 120 | 114 | 16 | M16 | 4 | 2.30 |
| 2½ | 2.875 | 2.99 | 7.28 | 5.50 | 5.70 | 5.50 | 5.00 | 0.63 | 5/8 | 4 | 6.53 |
| 65 | 73.0 | 76 | 185 | 140 | 145 | 140 | 127 | 16 | M16 | 4 | 2.96 |
| 76.1 | 3.000 | 2.99 | 7.28 | 5.50 | 5.70 | 5.50 | 5.00 | 0.63 | 5/8 | 4 | 6.40 |
| | 76.1 | 76 | 185 | 140 | 145 | 140 | 127 | 16 | M16 | 4 | 2.90 |
| 3 | 3.500 | 2.95 | 7.87 | 6.00 | 6.30 | 5.90 | 5.75 | 0.63 | 5/8 | 4 / 8 | 7.47 |
| 80 | 88.9 | 75 | 200 | 152 | 160 | 150 | 146 | 16 | M16 | 4 / 8 | 3.39 |
| 4 | 4.500 | 2.95 | 8.86 | 7.50 | 7.09 | 6.89 | 7.00 | 0.63 | 5/8 | 8 | 8.49 |
| 100 | 114.3 | 75 | 225 | 191 | 180 | 175 | 178 | 16 | M16 | 8 | 3.85 |
| 139.7 | 5.500 | 2.95 | 10.00 | 8.50 | 8.27 | 8.27 | 8.27 | 0.87 | 5/8 / 3/4 | 8 | 14.33 |
| | 139.7 | 75 | 254 | 216 | 210 | 210 | 210 | 22 | M16 / M20 | 8 | 6.50 |
| 5 | 5.563 | 2.95 | 10.00 | 8.50 | 8.27 | 8.27 | --- | 0.87 | 5/8 / 3/4 | 8 | 14.33 |
| 125 | 141.3 | 75 | 254 | 216 | 210 | 210 | -- | 22 | M16 / M20 | 8 | 6.50 |
| 165.1 | 6.500 | 2.95 | 10.71 | 9.50 | 9.45 | 9.45 | 9.30 | 0.63 | 3/4 | 8 | 13.86 |
| | 165.1 | 75 | 272 | 241 | 240 | 240 | 235 | 16 | M20 | 8 | 6.30 |
| 6 | 6.625 | 2.95 | 10.71 | 9.50 | 9.45 | 9.45 | --- | 0.63 | 3/4 | 8 | 12.58 |
| 150 | 168.3 | 75 | 272 | 241 | 240 | 240 | -- | 16 | M20 | 8 | 5.72 |
| 8 | 8.625 | 4.00 | 13.50 | 11.75 | 11.61 | 11.42 | 11.50 | 0.87 | 3/4 | 8 / 12 | 30.09 |
| 200 | 219.1 | 102 | 343 | 298 | 295 | 290 | 292 | 22 | M20 | 8 / 12 | 13.65 |
| 200 JIS | 8.516 | 4.00 | 13.50 | 11.75 | 11.61 | 11.42 | --- | 0.87 | 3/4 | 8 / 12 | 30.09 |
| | 216.3 | 102 | 343 | 298 | 295 | 290 | -- | 22 | M20 | 8 / 12 | 13.65 |

Grooved End Fittings
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| Model 7180F Universal Flange Adapter (flat face design) | | | | | | | | | | | |
|---|-----------|------|-------|--------------------|----------|---------|--------|------|-------|--------|--------|
| Nominal Size | Pipe O.D. | L | X | Y: Flange Drilling | | | | Z | Bolts | | Weight |
| | | | | ANSI 125/150 | PN 10/16 | JIS 10K | BS 10E | | Dia. | No. | |
| in | in | in | in | in | in | in | in | in | in | | lbs |
| mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | | kg |
| 2 | 2.375 | 2.50 | 6.50 | 4.75 | 4.92 | 4.72 | 4.49 | 0.63 | 5/8 | 4 | 5.10 |
| 50 | 60.3 | 64 | 165 | 121 | 125 | 120 | 114 | 16 | M16 | 4 | 2.30 |
| 2½ | 2.875 | 2.99 | 7.28 | 5.50 | 5.70 | 5.50 | 5.00 | 0.63 | 5/8 | 4 | 6.53 |
| 65 | 73.0 | 76 | 185 | 140 | 145 | 140 | 127 | 16 | M16 | 4 | 2.96 |
| 76.1 | 3.000 | 2.99 | 7.28 | 5.50 | 5.70 | 5.50 | 5.00 | 0.63 | 5/8 | 4 | 6.40 |
| | 76.1 | 76 | 185 | 140 | 145 | 140 | 127 | 16 | M16 | 4 | 2.90 |
| 3 | 3.500 | 2.95 | 7.87 | 6.00 | 6.30 | 5.90 | 5.75 | 0.63 | 5/8 | 4 / 8 | 7.47 |
| 80 | 88.9 | 75 | 200 | 152 | 160 | 150 | 146 | 16 | M16 | 4 / 8 | 3.39 |
| 4 | 4.500 | 2.95 | 8.86 | 7.50 | 7.09 | 6.89 | 7.00 | 0.63 | 5/8 | 8 | 8.49 |
| 100 | 114.3 | 75 | 225 | 191 | 180 | 175 | 178 | 16 | M16 | 8 | 3.85 |
| 165.1 | 6.500 | 2.95 | 10.71 | 9.50 | 9.45 | 9.45 | 9.30 | 0.63 | ¾ | 8 | 13.86 |
| | 165.1 | 75 | 272 | 241 | 240 | 240 | 235 | 16 | M20 | 8 | 6.30 |
| 6 | 6.625 | 2.95 | 10.71 | 9.50 | 9.45 | 9.45 | --- | 0.63 | ¾ | 8 | 12.58 |
| 150 | 168.3 | 75 | 272 | 241 | 240 | 240 | -- | 16 | M20 | 8 | 5.72 |
| 8 | 8.625 | 4.00 | 13.50 | 11.75 | 11.61 | 11.42 | 11.50 | 0.87 | ¾ | 8 / 12 | 30.09 |
| 200 | 219.1 | 102 | 343 | 298 | 295 | 290 | 292 | 22 | M20 | 8 / 12 | 13.65 |
| 200 JIS | 8.516 | 4.00 | 13.50 | 11.75 | 11.61 | 11.42 | --- | 0.87 | ¾ | 8 / 12 | 30.09 |
| | 216.3 | 102 | 343 | 298 | 295 | 290 | -- | 22 | M20 | 8 / 12 | 13.65 |



Model 7181 Universal Reducing Flange Adapter

| Nominal Size | Pipe O.D. | L | X | Z | Y: Flange Drilling | | | D | Bolts | | Weight |
|--------------|---------------|------|-------|------|--------------------|-----------|---------|-------|-------|-----|--------|
| | | | | | ANSI 125 / 150 | PN 10, 16 | JIS 10K | | Dia. | No. | |
| in | in | in | in | in | in | in | in | in | | | lbs |
| mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | | kg |
| 3 x 2 | 3.500 x 2.375 | 2.95 | 8.19 | 0.63 | 8.00 | 6.30 | 5.90 | 2.000 | 5/8 | 8 | 5.95 |
| 80 x 50 | 88.9 x 60.3 | 75.0 | 208.0 | 16.0 | 152 | 160 | 150 | 60.3 | M16 | 8 | 2.70 |
| 4 x 2½ | 4.500 x 2.875 | 3.00 | 8.88 | 0.63 | 7.52 | 7.09 | 6.89 | 2.875 | 5/8 | 8 | 8.80 |
| 100 x 65 | 114.3 x 73.0 | 76.0 | 225.5 | 16.0 | 191 | 180 | 175 | 73.0 | M16 | 8 | 4.00 |
| 100 x 76.1 | 4.500 x 3.000 | 3.00 | 8.88 | 0.63 | 7.52 | 7.09 | 6.89 | 3.000 | 5/8 | 8 | 8.80 |
| | 114.3 x 76.1 | 76.0 | 225.5 | 16.0 | 191 | 180 | 175 | 76.1 | M16 | 8 | 4.00 |
| 4 x 3 | 4.500 x 3.500 | 2.95 | 8.88 | 0.63 | 7.50 | 7.09 | 6.89 | 3.000 | 5/8 | 8 | 7.61 |
| 100 x 80 | 114.3 x 88.9 | 75.0 | 225.5 | 16.0 | 191 | 180 | 175 | 88.9 | M16 | 8 | 3.45 |
| 6 x 4 | 6.625 x 4.500 | 2.95 | 11.46 | 0.95 | 9.50 | 9.45 | 9.45 | 4.000 | ¾ | 8 | 15.61 |
| 150 x 100 | 168.3 x 114.3 | 75.0 | 291.0 | 24.0 | 241 | 240 | 240 | 114.3 | M20 | 8 | 7.08 |

General note

- *Pressure Ratings* for fittings conform to the working pressure of the coupling used to join the system.
- Listed and or Approved Pressures are pressure ratings for fire protection systems, tested and approved by various approval bodies. Please always refer to the latest approval data posted on the Shurjoint website.
- Field Joint Test: For one time, only the system may be tested hydrostatically at 1½ times the maximum working pressure listed (AWWA C606 5.2.3).
- Warning: Piping systems must always be depressurized and drained before attempting disassembly and or removal of any components.
- The 10 Year Limited Warranty applies to manufacturing defects only and does not cover severe service/temperature applications or wear parts.
- Shurjoint reserves the right to change specifications, designs and or standard without notice and without incurring any obligations.