

AGS Grooved End Fittings



Victaulic offers a line of AGS (Advanced Groove System) fittings in sizes from 14 – 60”/350 – 1500mm in a variety of straight and reducing styles. Fittings are cast of durable ductile iron or fabricated from steel pipe to precise tolerances. Victaulic AGS fittings are pressure rated to conform to the pressure ratings of Victaulic Style W77/W07 AGS couplings.

All fittings are supplied with AGS grooves to permit fast installation without field preparation. The AGS design permits increased pipe end/component end separation for easy alignment. *These fittings are designed for use with Victaulic W07 (rigid) and W77 (flexible) AGS couplings.* Fittings are painted orange enamel with a galvanized finish available as an option. Contact Victaulic for details.



WARNING

WARNING

- Victaulic AGS products use a patent-pending groove profile that requires the use of special AGS rolls. AGS products must not be used on pipe that has been grooved using standard grooving rolls.
- Failure to use AGS products on AGS grooved pipe could result in serious personal injury, property damage, joint leakage or joint separation.

| | | |
|------------------|--------------------|----------------------------|
| JOB/OWNER | CONTRACTOR | ENGINEER |
| System No. _____ | Submitted By _____ | Spec Sect _____ Para _____ |
| Location _____ | Date _____ | Approved _____ |
| | | Date _____ |

AGS Grooved End Fittings

FLOW DATA

(Frictional Resistance)

The chart expresses the frictional resistance of various Victaulic fittings as equivalent feet/meters of straight pipe. Fittings not listed can be estimated from the data given, for example, a 22½° elbow is approximately one-half the resistance of a 45° elbow.

| Size | | Frictional Resistance- Equivalent Feet/meters | | | | | |
|------------------------|-------------------------------|---|-----------------------------|---------------------|-----------------------------|--------|------|
| Nominal Dia. In./mm | Actual Outside Dia. In./mm | Elbows | | | | Tees | |
| | | 90° Elbows | | 45° Elbows | | Branch | Run |
| | | No. W10 Std. Radius | No. W100 11/2 D Long Radius | No. W11 Std. Radius | No. W110 11/2 D Long Radius | | |
| 14 | 14.000 | 24.5 | 15.8 | 18.5 | 11.0 | 70.0 | 23.0 |
| 350 | 355.6 | 7.5 | 4.8 | 5.6 | 3.4 | 21.3 | 7.0 |
| 16 | 16.000 | 28.0 | 18.0 | 21.0 | 13.0 | 80.0 | 27.0 |
| 400 | 406.4 | 8.5 | 5.5 | 6.4 | 4.0 | 24.4 | 8.2 |
| 18 | 18.000 | 31.0 | 20.0 | 23.5 | 14.0 | 90.0 | 30.0 |
| 450 | 457.0 | 9.5 | 6.1 | 7.2 | 4.3 | 27.4 | 9.1 |
| 20 | 20.000 | 34.0 | 22.5 | 25.5 | 16.0 | 100.0 | 33.0 |
| 500 | 508.0 | 10.4 | 6.9 | 7.8 | 4.9 | 30.5 | 10.1 |
| 24 | 24.000 | 42.0 | 27.0 | 29.5 | 19.0 | 120.0 | 40.0 |
| 600 | 610.0 | 12.8 | 8.2 | 9.0 | 5.8 | 36.6 | 12.2 |
| 26 | 26.000 | - | 29.3 | - | 20.4 | 130.0 | 42.7 |
| 650 | 660.4 | - | 8.9 | - | 6.2 | 39.6 | 13.0 |
| 28 | 28.000 | - | 31.5 | - | 22.0 | 140.0 | 46.0 |
| 700 | 711.2 | - | 9.6 | - | 6.7 | 42.7 | 14.0 |
| 30 | 30.000 | - | 33.8 | - | 23.6 | 150.0 | 49.3 |
| 750 | 762 | - | 10.3 | - | 7.2 | 45.7 | 15.0 |
| 32 | 32.000 | - | 36.0 | - | 25.1 | 160.0 | 52.6 |
| 800 | 812.8 | - | 11.0 | - | 7.7 | 48.8 | 16.0 |
| 36 | 36.000 | - | 40.5 | - | 28.3 | 180.0 | 59.1 |
| 900 | 914.4 | - | 12.3 | - | 8.6 | 54.8 | 18.0 |
| 38 | 38.000 | - | 42.8 | - | 29.9 | 190.0 | 62.4 |
| 950 | 965.2 | - | 13.1 | - | 9.1 | 57.9 | 19.0 |
| 40 | 40.000 | - | 45.0 | - | 31.4 | 200.0 | 65.7 |
| 1000 | 1016 | - | 13.7 | - | 9.6 | 61.0 | 20.0 |
| 42 | 42.000 | - | 47.3 | - | 33.0 | 210.0 | 69.0 |
| 1050 | 1066.8 | - | 14.4 | - | 10.1 | 64.0 | 21.0 |
| 46 | 46.000 | - | 51.8 | - | 36.1 | 230.0 | 75.6 |
| 1150 | 1168.4 | - | 15.8 | - | 11.0 | 70.1 | 23.0 |
| 48 | 48.000 | - | 54.0 | - | 37.7 | 240.0 | 78.8 |
| 1200 | 1219.2 | - | 16.5 | - | 11.5 | 73.2 | 24.0 |

† The flow data listed is based upon the pressure drop of standard wall pipe.
Contact Victaulic for data on sizes not shown above.

AGS Grooved End Fittings

MATERIAL SPECIFICATIONS

Cast Fittings: Ductile iron conforming to ASTM A-536, grade 65-45-12. Ductile iron conforming to ASTM A-395, grade 65-45-15, is available upon special request.

Segmentally Welded Fittings: Fabricated from carbon steel pipe conforming to ASTM A-53, Type E or S, Grade B or API-5L, PSL 1 or PSL 2

Nipples: Carbon steel pipe conforming to ASTM A-53, Type E or S, Grade B or API-5L, PSL 1 or PSL 2

Flanged Adapter Nipples:

- **Flange:** ASME/ANSI B-16.5 raised face carbon steel slip-on flange
- **Pipe:** Carbon steel pipe conforming to ASTM A-53, Type E or S, Grade B or API-5L, PSL 1 or PSL 2

Fitting Coatings: Orange enamel

- **Optional:** Hot dip galvanized and others.

Flanged Adapter Nipple Coating: None (Unfinished)

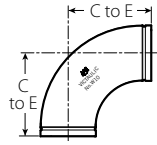
- **Optional:** Orange enamel, hot dip galvanized and others.

AGS Grooved End Fittings

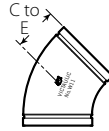
DIMENSIONS

Elbows and Tees

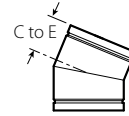
- NO. W10** 90° Elbow
- NO. W11** 45° Elbow
- NO. W12** 22½° Elbow
- NO. W13** 11¼° Elbow (Ductile Iron#)



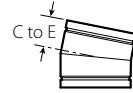
NO. W10



NO. W11



NO. W12



NO. W13

| Size | | No. W10 90° Elbow | | No. W11 45° Elbow | | No. W12 22½° Elbow (sw) | | No. W13 11¼° Elbow (sw) | |
|------------------------------|-------------------------------------|------------------------|---------------------------------|------------------------|---------------------------------|----------------------------|---------------------------------|----------------------------|---------------------------------|
| Nominal Size Inches mm | Actual Outside Dia. Inches mm | C to E Inches mm | Approx. Wgt. Each Lbs. kg | C to E Inches mm | Approx. Wgt. Each Lbs. kg | C to E Inches mm | Approx. Wgt. Each Lbs. kg | C to E Inches mm | Approx. Wgt. Each Lbs. kg |
| 14 | 14.000 | 14.00 | 150.8 | 5.80 | 63.0 | 5.00 | 46.0 | 3.50 | 32.0 |
| 350 | 355.6 | 355.6 | 68.4 | 147 | 28.7 | 127 | 20.9 | 89 | 14.5 |
| 16 | 16.000 | 16.00 | 184.3 | 6.63 | 93.8 | 5.00 | 52.1 | 4.00 | 42.0 |
| 400 | 406.4 | 406.4 | 83.6 | 168 | 42.5 | 127 | 23.6 | 102 | 19.1 |
| 18 | 18.000 | 18.00 | 272.3 | 7.46 | 129.0 | 5.50 | 65.0 | 4.50 | 53.2 |
| 450 | 457.0 | 457.2 | 123.5 | 189 | 58.5 | 140 | 29.5 | 114 | 24.1 |
| 20 | 20.000 | 20.00 | 312.0 | 8.28 | 165.3 | 6.00 | 78.6 | 5.00 | 65.0 |
| 500 | 508.0 | 508.0 | 141.5 | 210 | 75.0 | 152 | 36.0 | 127 | 29.5 |
| 24 | 24.000 | 24.00 | 559.8 | 9.94 | 264.5 | 7.00 | 110.3 | 6.00 | 94.5 |
| 600 | 610.0 | 609.6 | 253.9 | 252 | 120.0 | 178 | 50.0 | 152 | 42.9 |
| 26 | 26.000 | - | - | - | - | 6.75 | 122.0 | 5.00 | 92.0 |
| 650 | 660.4 | - | - | - | - | 171.5 | 55.3 | 127.0 | 41.7 |
| 28 | 28.000 | - | - | - | - | 7.00 | 136.0 | 5.25 | 104.0 |
| 700 | 711.2 | - | - | - | - | 177.8 | 61.6 | 133.4 | 47.1 |
| 30 | 30.000 | - | - | - | - | 7.25 | 151.0 | 5.25 | 112.0 |
| 750 | 762.0 | - | - | - | - | 184.2 | 68.4 | 133.4 | 50.8 |
| 32 | 32.000 | - | - | - | - | 7.50 | 167.0 | 5.50 | 124.0 |
| 800 | 812.8 | - | - | - | - | 190.5 | 75.7 | 139.7 | 56.2 |
| 36 | 36.000 | - | - | - | - | 7.75 | 194.0 | 5.50 | 140.0 |
| 900 | 914.4 | - | - | - | - | 196.9 | 87.9 | 139.7 | 63.5 |
| 40 | 40.000 | - | - | - | - | 8.75 | 322.0 | 6.25 | 234.0 |
| 1000 | 1016.0 | - | - | - | - | 222.3 | 146.1 | 158.8 | 106.1 |
| 42 | 42.000 | - | - | - | - | 9.00 | 348.0 | 6.25 | 246.0 |
| 1050 | 1066.8 | - | - | - | - | 228.6 | 157.8 | 158.8 | 111.5 |
| 46 | 46.000 | - | - | - | - | 9.25 | 392.0 | 6.50 | 280.0 |
| 1150 | 1168.4 | - | - | - | - | 235.0 | 177.8 | 165.1 | 127.1 |
| 48 | 48.000 | - | - | - | - | 9.50 | 420.0 | 6.80 | 303.0 |
| 1200 | 1219.2 | - | - | - | - | 241.3 | 190.5 | 172.7 | 137.4 |
| 54 | 54.000 | - | - | - | - | 12.00 | 592.0 | 8.75 | 437.0 |
| 1350 | 1371.6 | - | - | - | - | 304.8 | 268.5 | 222.3 | 198.2 |
| 56 | 56.000 | - | - | - | - | 12.25 | 627.0 | 9.00 | 465.0 |
| 1400 | 1422.4 | - | - | - | - | 311.2 | 284.4 | 228.6 | 210.1 |
| 60 | 60.000 | - | - | - | - | 12.75 | 698.0 | 9.25 | 512.0 |
| 1500 | 1524.0 | - | - | - | - | 323.9 | 316.6 | 235.0 | 232.2 |

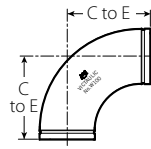
Ductile iron except those marked (sw) which are segmentally welded steel.

AGS Grooved End Fittings

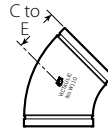
DIMENSIONS

Elbows and Tees

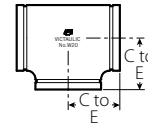
NO. W100 90° Long Radius
NO. W110 45° Long Radius
NO. W20 Tee
 (Ductile Iron#)



NO. W100



NO. W110



NO. W20

| Size | | No. W100 90° Long Radius Elbow | | No. W110 45° Long Radius Elbow | | No. W20 Tee | | |
|------------------------------|--|-----------------------------------|------------------------------------|-----------------------------------|------------------------------------|-------------------------------|----------------------------------|--------------------------------------|
| Nominal Size Inches mm | Actual Outside Diameter Inches mm | C to E Inches mm | Approx. Wgt. Each Lbs. kg | C to E Inches mm | Approx. Wgt. Each Lbs. kg | C to E Inches mm Run | C to E Inches mm Branch | Approx. Weight Each Lbs. kg |
| 14 350 | 14.000 355.6 | 21.00 533 | 158.0 71.7 | 8.75 222 | 83.0 37.6 | 11.00 279 | 11.00 279 | 102.0 46.3 |
| 16 400 | 16.000 406.4 | 24.00 610 | 204.3 92.7 | 10.00 254 | 101.0 45.8 | 12.00 305 | 12.00 305 | 123.5 56.0 |
| 18 450 | 18.000 457.0 | 27.00 686 | 260.0 118.0 | 11.25 286 | 127.0 57.6 | 13.50 343 | 13.50 343 | 281.0 127.5 |
| 20 500 | 20.000 508.0 | 30.00 762 | 328.5 149.0 | 12.50 318 | 167.0 75.7 | 15.00 381 | 15.00 381 | 350.0 158.7 |
| 24 600 | 24.000 610.0 | 36.00 914 | 490.0 222.3 | 15.00 381 | 244.8 110.1 | 17.00 432 | 17.00 432 | 503.7 228.5 |
| 26 650 | 26.000 660.4 | 39.00 990.6 | 877.0 397.8 | 16.00 406.4 | 421.0 190.9 | 19.50 (sw) 495.3 | 19.50 (sw) 495.3 | 634.0 287.5 |
| 28 700 | 28.000 711.2 | 42.00 1066.8 | 1019.0 462.2 | 17.25 438.2 | 491.0 227.7 | 20.50 (sw) 520.7 | 20.50 (sw) 520.7 | 741.0 336.1 |
| 30 750 | 30.000 762.0 | 45.00 1143.0 | 1268.0 575.1 | 18.50 469.9 | 612.0 277.6 | 22.00 (sw) 558.8 | 22.00 (sw) 558.8 | 855.0 387.8 |
| 32 800 | 32.000 812.8 | 48.00 1219.2 | 1517.0 688.1 | 19.75 501.7 | 733.0 332.4 | 23.50 (sw) 596.9 | 23.50 (sw) 596.9 | 1190.0 539.7 |
| 36 900 | 36.000 914.4 | 54.00 1371.6 | 1925.0 881.1 | 22.25 565.2 | 935.0 424.1 | 26.50 (sw) 673.1 | 26.50 (sw) 673.1 | 1608.0 729.4 |
| 38 950 | 38.000 965.2 | - | - | - | - | 28.00 (sw) 711.2 | 28.00 (sw) 711.2 | 1496.0 678.5 |
| 40 1000 | 40.000 1016.0 | 60.00 1524.0 | 2883.0 1307.7 | 24.88 632.0 | 1397.0 633.7 | 29.50 (sw) 749.3 | 29.50 (sw) 749.3 | 1968.0 892.6 |
| 42 1050 | 42.000 1066.8 | 63.00 1600.2 | 3260.0 1478.7 | 26.00 660.4 | 1583.0 718.1 | 30.00 (sw) 762.0 | 28.00 (sw) 711.2 | 2891.0 1311.3 |
| 46 1150 | 46.000 1168.4 | 69.00 (sw) 1752.6 | 2270.0 1029.7 | 28.63 (sw) 727.2 | 1210.0 548.8 | 33.50 (sw) 850.9 | 31.50 (sw) 800.1 | 2620.0 1188.4 |
| 48 1200 | 48.000 1219.2 | 72.00 (sw) 1828.8 | 2471.0 1120.8 | 29.88 (sw) 759.0 | 1314.0 596.1 | 35.00 (sw) 889.0 | 33.00 (sw) 838.2 | 3805.0 1725.9 |
| 54 1350 | 54.000 1371.6 | 81.00 (sw) 2057.4 | 3120.0 1415.2 | 33.50 (sw) 850.9 | 1648.0 747.5 | 41.00 (sw) 1041.4 | 41.00 (sw) 1041.4 | 3656.0 1658.3 |
| 56 1400 | 56.000 1422.4 | 84.00 (sw) 2133.6 | 3355.0 1521.8 | 34.75 (sw) 882.7 | 1769.0 802.4 | 42.00 (sw) 1066.8 | 42.00 (sw) 1066.8 | 3961.0 1796.7 |
| 60 1500 | 60.000 1524.0 | 90.00 (sw) 2286.0 | 3850.0 1746.3 | 37.25 (sw) 946.2 | 2023.0 917.6 | 45.00 (sw) 1143 | 45.00 (sw) 1143.0 | 4325.0 1961.8 |

Ductile iron except those marked (sw) which are segmentally welded steel.

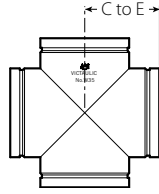
AGS Grooved End Fittings

DIMENSIONS

Crosses and Wyes

NO. W35 Cross

NO. W33 True Wye
(Segmentally Welded Steel)



NO. W35



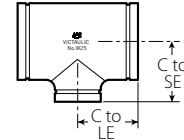
NO. W33

| Size | | No. W35 Cross (sw) | | No. W33 True Wye (sw) | | |
|------------------------------|--|------------------------|--------------------------------------|-------------------------|-------------------------|--------------------------------------|
| Nominal Size Inches mm | Actual Outside Diameter Inches mm | C to E Inches mm | Approx. Weight Each Lbs. kg | C to LE Inches mm | C to SE Inches mm | Approx. Weight Each Lbs. kg |
| 14 350 | 14.000 355.6 | 11.00 279 | 121.0 54.9 | 11.00 279 | 7.50 191 | 98.0 44.4 |
| 16 400 | 16.000 406.4 | 12.00 305 | 146.4 66.4 | 12.00 305 | 8.00 203 | 119.3 54.1 |
| 18 450 | 18.000 457.0 | 13.50 343 | 185.4 84.1 | 13.50 343 | 8.50 216 | 148.3 67.3 |
| 20 500 | 20.000 508.0 | 15.00 381 | 229.1 103.9 | 15.00 381 | 9.00 229 | 180.4 81.8 |
| 24 600 | 24.000 610.0 | 17.00 432 | 298.7 135.5 | 17.00 432 | 10.00 254 | 238.3 108.1 |

AGS Grooved End Fittings

Tees

NO. W25 REDUCING TEE (Segmentally Welded Steel)



NO. W25

| Size | | | No. W25 Reducing Tee | | Approx. Weight Each | | |
|---------------------|---|-----------|----------------------|----------------|---------------------|--------------|---------------|
| Nominal Size Inches | | | C to LE Inches | C to SE Inches | Lbs. kg | | |
| 14 350 | × | 14 350 | × | 6 150 | 11.00 279 | 9.38 238 | 101.4 46.0 |
| | | | | 8 200 | 11.00 279 | 9.75 248 | 102.5 46.5 |
| | | | | 10 250 | 11.00 279 | 10.12 257 | 105.1 47.7 |
| | | | | 12 300 | 11.00 279 | 10.62 270 | 108.1 49.0 |
| 16 400 | × | 16 400 | × | 6 150 | 12.00 305 | 10.38 264 | 126.2 57.2 |
| | | | | 8 200 | 12.00 305 | 10.75 273 | 127.4 57.8 |
| | | | | 10 250 | 12.00 305 | 11.12 282 | 129.8 58.9 |
| | | | | 12 300 | 12.00 305 | 11.62 295 | 132.5 60.1 |
| | | | | 14 350 | 12.00 305 | 12.00 305 | 134.6 61.1 |
| 18 450 | × | 18 450 | × | 6 150 | 13.50 343 | 11.38 289 | 160.0 72.6 |
| | | | | 8 200 | 13.50 343 | 11.75 298 | 161.0 73.0 |
| | | | | 10 250 | 13.50 343 | 12.12 308 | 163.1 74.0 |
| | | | | 12 300 | 13.50 343 | 12.62 321 | 165.6 75.1 |
| | | | | 14 350 | 13.50 343 | 13.00 330 | 167.6 76.0 |
| | | | | 16 400 | 13.50 343 | 13.00 330 | 168.2 76.3 |

| Size | | | No. W25 Reducing Tee | | Approx. Weight Each | | |
|---------------------|--------------|--------------|----------------------|----------------|---------------------|--------------|---------------|
| Nominal Size Inches | | | C to LE Inches | C to SE Inches | Lbs. kg | | |
| 20 500 | × | 20 500 | × | 6 150 | 15.00 381 | 12.38 314 | 197.0 89.5 |
| | | | | 8 200 | 15.00 381 | 12.75 324 | 198.5 90.0 |
| | | | | 10 250 | 15.00 381 | 13.12 333 | 200.5 90.9 |
| | | | | 12 300 | 15.00 381 | 13.62 346 | 202.9 92.0 |
| | | | | 14 * 350 | 15.00 381 | 14.00 356 | 204.7 92.9 |
| | | | | 16 * 400 | 15.00 381 | 14.00 356 | 205.0 93.0 |
| | | | | 18 450 | 15.00 381 | 14.50 368 | 208.4 94.5 |
| | | | | 24 600 | × | 24 600 | × |
| 8 200 | 17.00 432 | 14.75 375 | 270.0 123.0 | | | | |
| 10 250 | 17.00 432 | 15.12 384 | 271.7 123.2 | | | | |
| 12 300 | 17.00 432 | 15.62 397 | 273.8 124.2 | | | | |
| 14 350 | 17.00 432 | 16.00 406 | 275.4 125.0 | | | | |
| 16 400 | 17.00 432 | 16.00 406 | 275.3 125.0 | | | | |
| 18 450 | 17.00 432 | 16.50 419 | 278.1 127.1 | | | | |
| 20 500 | 17.00 432 | 17.00 432 | 282.1 128.0 | | | | |

IMPORTANT NOTE:

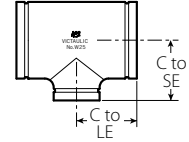
Outlets 12"/300mm and smaller will be provided with original Victaulic roll or cut grooves, suitable for use with original Victaulic grooved couplings in that size range.

* Cast fitting available. Contact Victaulic for details.

AGS Grooved End Fittings

Tees

NO. W25 REDUCING TEE (Segmentally Welded Steel)



NO. W25

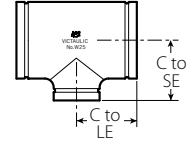
| Size | | | No. W25 Reducing Tee | | Approx. Weight Each |
|------------------------|------------|-----------|-----------------------|--------------------------|---------------------|
| Nominal Size Inches mm | Inches mm | Inches mm | C to LE Run Inches mm | C to SE Branch Inches mm | Lbs. kg |
| | | | | | |
| 26 650 | 26 650 | 14 350 | 19.50 | 17.00 | 346.0 |
| | | | 495.3 | 431.8 | 157.0 |
| | | | 19.50 | 17.00 | 346.0 |
| | | | 495.3 | 431.8 | 157.0 |
| | | | 19.50 | 17.50 | 349.0 |
| | | | 495.3 | 444.5 | 158.3 |
| | | | 19.50 | 18.00 | 352.0 |
| | | | 495.3 | 457.2 | 159.7 |
| 28 700 | 28 700 | 14 350 | 20.50 | 18.00 | 391.0 |
| | | | 520.7 | 457.2 | 177.4 |
| | | | 20.50 | 18.00 | 391.0 |
| | | | 520.7 | 457.2 | 177.4 |
| | | | 20.50 | 18.50 | 393.0 |
| | | | 520.70 | 469.9 | 178.3 |
| | | | 20.50 | 19.00 | 396.0 |
| | | | 520.70 | 482.6 | 179.6 |
| 30 750 | 30 750 | 14 350 | 22.00 | 19.00 | 449.0 |
| | | | 558.80 | 482.6 | 203.7 |
| | | | 22.00 | 19.00 | 448.0 |
| | | | 558.80 | 482.6 | 203.2 |
| | | | 22.00 | 19.50 | 451.0 |
| | | | 558.80 | 495.30 | 204.6 |
| | | | 22.00 | 20.00 | 453.0 |
| | | | 558.80 | 508.00 | 205.5 |
| 32 800 | 32 800 | 16 400 | 23.50 | 20.00 | 510.0 |
| | | | 596.9 | 508.0 | 231.3 |
| | | | 23.50 | 20.50 | 512.0 |
| | | | 596.9 | 520.7 | 232.2 |
| | | | 23.50 | 21.00 | 515.0 |
| | | | 596.9 | 533.4 | 233.6 |
| | | | 23.50 | 21.50 | 518.0 |
| | | | 596.9 | 546.1 | 235.0 |
| 36 900 | 36 900 | 18 450 | 26.50 | 22.50 | 648.0 |
| | | | 673.1 | 571.5 | 293.9 |
| | | | 26.50 | 23.00 | 650.0 |
| | | | 673.1 | 584.2 | 294.8 |
| | | | 26.50 | 23.50 | 653.0 |
| | | | 673.1 | 596.9 | 296.2 |
| | | | 26.50 | 24.00 | 656.0 |
| | | | 673.1 | 609.6 | 297.6 |
| 38 950 | 38 950 | 18 450 | 28.00 | 23.50 | 722.0 |
| | | | 711.2 | 596.9 | 327.5 |
| | | | 28.00 | 24.00 | 724.0 |
| | | | 711.2 | 609.6 | 328.4 |
| | | | 28.00 | 24.50 | 727.0 |
| | | | 711.2 | 622.3 | 329.8 |
| | | | 28.00 | 25.00 | 730.0 |
| | | | 711.2 | 635.0 | 331.1 |
| 42 1050 | 42 1050 | 20 500 | 30.00 | 25.00 | 800.0 |
| | | | 762.0 | 635.0 | 363.5 |
| | | | 30.00 | 25.50 | 803.0 |
| | | | 762.0 | 647.7 | 364.9 |
| | | | 30.00 | 26.00 | 806.0 |
| | | | 762.0 | 660.4 | 366.3 |
| | | | 30.00 | 26.50 | 809.0 |
| | | | 762.0 | 673.1 | 367.7 |

| Size | | | No. W25 Reducing Tee | | Approx. Weight Each |
|------------------------|------------|-----------|-----------------------|--------------------------|---------------------|
| Nominal Size Inches mm | Inches mm | Inches mm | C to LE Run Inches mm | C to SE Branch Inches mm | Lbs. kg |
| | | | | | |
| 32 800 | 32 800 | 16 400 | 23.50 | 20.00 | 510.0 |
| | | | 596.9 | 508.0 | 231.3 |
| | | | 23.50 | 20.50 | 512.0 |
| | | | 596.9 | 520.7 | 232.2 |
| | | | 23.50 | 21.00 | 515.0 |
| | | | 596.9 | 533.4 | 233.6 |
| | | | 23.50 | 21.50 | 518.0 |
| | | | 596.9 | 546.1 | 235.0 |
| 36 900 | 36 900 | 18 450 | 26.50 | 22.50 | 648.0 |
| | | | 673.1 | 571.5 | 293.9 |
| | | | 26.50 | 23.00 | 650.0 |
| | | | 673.1 | 584.2 | 294.8 |
| | | | 26.50 | 23.50 | 653.0 |
| | | | 673.1 | 596.9 | 296.2 |
| | | | 26.50 | 24.00 | 656.0 |
| | | | 673.1 | 609.6 | 297.6 |
| 38 950 | 38 950 | 18 450 | 28.00 | 23.50 | 722.0 |
| | | | 711.2 | 596.9 | 327.5 |
| | | | 28.00 | 24.00 | 724.0 |
| | | | 711.2 | 609.6 | 328.4 |
| | | | 28.00 | 24.50 | 727.0 |
| | | | 711.2 | 622.3 | 329.8 |
| | | | 28.00 | 25.00 | 730.0 |
| | | | 711.2 | 635.0 | 331.1 |
| 42 1050 | 42 1050 | 20 500 | 30.00 | 25.00 | 800.0 |
| | | | 762.0 | 635.0 | 363.5 |
| | | | 30.00 | 25.50 | 803.0 |
| | | | 762.0 | 647.7 | 364.9 |
| | | | 30.00 | 26.00 | 806.0 |
| | | | 762.0 | 660.4 | 366.3 |
| | | | 30.00 | 26.50 | 809.0 |
| | | | 762.0 | 673.1 | 367.7 |

AGS Grooved End Fittings

Tees

NO. W25 REDUCING TEE (Segmentally Welded Steel)



NO. W25

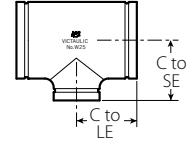
| Size | | | No. W25 Reducing Tee | | Approx. Weight Each | | | | |
|---------------------|-----------------|-----------------|----------------------|----------------|---------------------|-----------------|----------------|----------------|----------------|
| Nominal Size Inches | Nominal Size mm | Nominal Size mm | C to LE Run | C to SE Branch | Lbs. kg | | | | |
| | | | Inches mm | Inches mm | | | | | |
| 40 1000 | 40 1000 | 20 500 | 29.50 749.3 | 25.00 635.0 | 802.0 363.8 | | | | |
| | | | 22 550 | 29.50 749.3 | 25.50 647.7 | 804.0 364.7 | | | |
| | | | 24 600 | 29.50 749.3 | 26.00 660.4 | 808.0 366.5 | | | |
| | | | 26 650 | 29.50 749.3 | 26.50 673.1 | 811.0 367.9 | | | |
| | | | 28 700 | 29.50 749.3 | 26.50 673.1 | 811.0 367.9 | | | |
| | | | 30 750 | 29.50 749.3 | 27.50 698.5 | 820.0 371.9 | | | |
| | | | 32 800 | 29.50 749.3 | 28.00 711.2 | 826.0 374.7 | | | |
| | | | 36 900 | 29.50 749.3 | 29.00 736.6 | 1102.0 499.9 | | | |
| | | | 38 950 | 29.50 749.3 | 29.50 749.3 | 1113.0 504.9 | | | |
| | | | 42 1050 | 42 1050 | 20 500 | 30.00 762.0 | 26.00 660.4 | 856.0 388.3 | |
| | | | | | | 22 550 | 30.00 762.0 | 26.00 660.4 | 854.0 387.3 |
| | | | | | | 24 600 | 30.00 762.0 | 26.00 660.4 | 853.0 386.9 |
| 26 650 | 30.00 762.0 | 27.50 698.5 | | | | 865.0 392.4 | | | |
| 28 700 | 30.00 762.0 | 27.50 698.5 | | | | 864.0 391.9 | | | |
| 30 750 | 30.00 762.0 | 28.00 711.2 | | | | 868.0 393.7 | | | |
| 32 800 | 30.00 762.0 | 28.00 711.2 | | | | 1140.0 517.1 | | | |
| 36 900 | 30.00 762.0 | 28.00 711.2 | | | | 1139.0 516.7 | | | |
| 38 950 | 30.00 762.0 | 28.00 711.2 | | | | 1139.0 516.7 | | | |
| 40 1000 | 30.00 762.0 | 28.00 711.2 | | | | 1139.0 516.7 | | | |

| Size | | | No. W25 Reducing Tee | | Approx. Weight Each | | | |
|---------------------|-----------------|-----------------|----------------------|----------------|---------------------|-----------------|----------------|-----------------|
| Nominal Size Inches | Nominal Size mm | Nominal Size mm | C to LE Run | C to SE Branch | Lbs. kg | | | |
| | | | Inches mm | Inches mm | | | | |
| 46 1150 | 46 1150 | 22 550 | 33.50 850.9 | 28.50 723.9 | 1042.0 472.7 | | | |
| | | | 24 600 | 33.50 850.9 | 28.50 723.9 | 1046.0 474.5 | | |
| | | | 26 650 | 33.50 850.9 | 29.00 736.6 | 1049.0 475.8 | | |
| | | | 28 700 | 33.50 850.9 | 29.00 736.6 | 1049.0 475.8 | | |
| | | | 30 750 | 33.50 850.9 | 29.00 736.6 | 1050.0 476.3 | | |
| | | | 32 800 | 33.50 850.9 | 29.50 749.3 | 1055.0 478.6 | | |
| | | | 36 900 | 33.50 850.9 | 30.00 762.0 | 1053.0 477.6 | | |
| | | | 38 950 | 33.50 850.9 | 30.00 762.0 | 1060.0 480.8 | | |
| | | | 40 1000 | 33.50 850.9 | 30.50 774.7 | 1060.0 480.8 | | |
| | | | 42 1050 | 33.50 850.9 | 31.00 787.4 | 1060.0 480.8 | | |
| | | | 48 1200 | 48 1200 | 24 600 | 35.00 889.0 | 29.00 736.6 | 1135.0 514.8 |
| | | | | | | 26 650 | 35.00 889.0 | 30.00 762.0 |
| 28 700 | 35.00 889.0 | 30.00 762.0 | | | | 1141.0 517.6 | | |
| 30 750 | 35.00 889.0 | 30.00 762.0 | | | | 1139.0 516.7 | | |
| 32 800 | 35.00 889.0 | 31.00 787.4 | | | | 1148.0 520.7 | | |
| 36 900 | 35.00 889.0 | 31.00 787.4 | | | | 1146.0 519.8 | | |
| 38 950 | 35.00 889.0 | 32.00 812.8 | | | | 1157.0 524.8 | | |
| 40 1000 | 35.00 889.0 | 32.00 812.8 | | | | 1157.0 524.8 | | |
| 42 1050 | 35.00 889.0 | 32.00 812.8 | | | | 1157.0 524.8 | | |
| 46 1150 | 35.00 889.0 | 33.00 838.2 | | | | 1539.0 698.1 | | |

AGS Grooved End Fittings

Tees

NO. W25 REDUCING TEE (Segmentally Welded Steel)



NO. W25

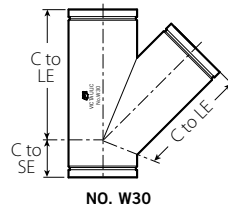
| Size | | | No. W25 Reducing Tee | | Approx. Weight Each | | |
|------------------------|-----------------------|--------------------------|----------------------|-----------------|---------------------|-----------------|------------------|
| Nominal Size Inches mm | C to LE Run Inches mm | C to SE Branch Inches mm | Lbs. kg | | | | |
| 54 1350 | 54 1350 | 26 650 | 41.00 1041.4 | 41.00 1041.4 | 2805.0 1272.3 | | |
| | | 28 700 | 41.00 1041.4 | 41.00 1041.4 | 2805.0 1272.3 | | |
| | | 30 750 | 41.00 1041.4 | 41.00 1041.4 | 2821.0 1279.6 | | |
| | | 32 800 | 41.00 1041.4 | 41.00 1041.4 | 2835.0 1285.9 | | |
| | | 36 900 | 41.00 1041.4 | 41.00 1041.4 | 2853.0 1294.1 | | |
| | | 38 950 | 41.00 1041.4 | 41.00 1041.4 | 2879.0 1305.9 | | |
| | | 40 1000 | 41.00 1041.4 | 41.00 1041.4 | 2906.0 1318.1 | | |
| | | 42 1050 | 41.00 1041.4 | 41.00 1041.4 | 2932.0 1329.9 | | |
| | | 46 1150 | 41.00 1041.4 | 41.00 1041.4 | 2985.0 1354.1 | | |
| | | 48 1200 | 41.00 1041.4 | 41.00 1041.4 | 3012.0 1366.2 | | |
| | | 56 1400 | 56 1400 | 28 700 | 42.00 1066.8 | 42.00 1066.8 | 3059.0 1387.5 |
| | | | | 30 750 | 42.00 1066.8 | 42.00 1066.8 | 3075.0 1394.8 |
| | | | | 32 800 | 42.00 1066.8 | 42.00 1066.8 | 3087.0 1400.2 |
| | | | | 36 900 | 42.00 1066.8 | 42.00 1066.8 | 3111.0 1411.1 |
| | | | | 38 950 | 42.00 1066.8 | 42.00 1066.8 | 3137.0 1422.9 |
| 40 1000 | 42.00 1066.8 | | | 42.00 1066.8 | 3164.0 1434.2 | | |
| 42 1050 | 42.00 1066.8 | | | 42.00 1066.8 | 3190.0 1447.1 | | |
| 46 1150 | 42.00 1066.8 | | | 42.00 1066.8 | 3243.0 1471.1 | | |
| 48 1200 | 42.00 1066.8 | | | 42.00 1066.8 | 3269.0 1482.8 | | |
| 54 1350 | 42.00 1066.8 | | | 42.00 1066.8 | 3349.0 1519.1 | | |

| Size | | | No. W25 Reducing Tee | | Approx. Weight Each |
|------------------------|-----------------------|--------------------------|----------------------|----------------|---------------------|
| Nominal Size Inches mm | C to LE Run Inches mm | C to SE Branch Inches mm | Lbs. kg | | |
| 60 1500 | 60 1500 | 30 750 | 44.00 117.6 | 44.00 117.6 | 3269.0 1482.8 |
| | | 32 800 | 44.00 117.6 | 44.00 117.6 | 3308.0 1500.5 |
| | | 36 900 | 44.00 117.6 | 44.00 117.6 | 3345.0 1517.3 |
| | | 38 950 | 44.00 117.6 | 44.00 117.6 | 3386.0 1535.9 |
| | | 40 1000 | 44.00 117.6 | 44.00 117.6 | 3420.0 1551.3 |
| | | 42 1050 | 44.00 117.6 | 44.00 117.6 | 3459.0 1569.1 |
| | | 46 1150 | 44.00 117.6 | 44.00 117.6 | 3512.0 1593.1 |
| | | 48 1200 | 44.00 117.6 | 44.00 117.6 | 3538.0 1604.8 |
| | | 54 1350 | 44.00 117.6 | 44.00 117.6 | 3618.0 1641.1 |
| | | 56 1400 | 44.00 117.6 | 44.00 117.6 | 3644.0 1652.9 |

AGS Grooved End Fittings

45° Lateral

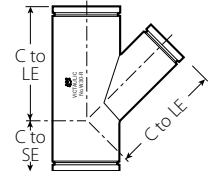
NO. W30
(Segmentally Welded Steel)



NO. W30

45° Reducing Lateral

NO. W30-R
(Segmentally Welded Steel)



NO. W30-R

| Size | | No. W30 45° Lateral | | |
|------------------------------|--|-------------------------|-------------------------|--------------------------------------|
| Nominal Size Inches mm | Actual Outside Diameter Inches mm | C to LE Inches mm | C to SE Inches mm | Approx. Weight Each Lbs. kg |
| 14 350 | 14.000 355.6 | 26.50 673 | 7.50 191 | 219.1 99.4 |
| 16 400 | 16.000 406.4 | 29.00 737 | 8.00 203 | 270.5 122.7 |
| 18 450 | 18.000 457.0 | 32.00 813 | 8.50 216 | 332.7 150.9 |
| 20 500 | 20.000 508.0 | 35.00 889 | 9.00 229 | 401.3 182.0 |
| 24 600 | 24.000 610.0 | 40.00 1016 | 10.00 254 | 541.3 245.5 |

| Size | | No. W30-R Reducing Lateral | | | |
|------------------------------|---------------|-------------------------------|-------------------------|--------------------------------------|----------------|
| Nominal Size Inches mm | | C to LE Inches mm | C to SE Inches mm | Approx. Weight Each Lbs. kg | |
| 14 350 | × 14 350 × | 4 100 | 26.50 673 | 7.50 191 | 175.9 79.8 |
| | | 6 150 | 26.50 673 | 7.50 191 | 185.9 84.3 |
| | | 8 200 | 26.50 673 | 7.50 191 | 195.0 88.4 |
| | | 10 250 | 26.50 673 | 7.50 191 | 204.4 92.7 |
| | | 12 300 | 26.50 673 | 7.50 191 | 213.3 96.8 |
| 16 400 | × 16 400 × | 6 150 | 29.00 737 | 8.00 203 | 226.4 102.7 |
| | | 8 200 | 29.00 737 | 8.00 203 | 236.0 107.1 |
| | | 10 250 | 29.00 737 | 8.00 203 | 246.0 111.6 |
| | | 12 300 | 29.00 737 | 8.00 203 | 255.1 115.7 |
| | | 14 350 | 29.00 737 | 8.00 203 | 260.9 118.4 |
| 18 450 | × 18 450 × | 6 150 | 32.00 813 | 8.50 216 | 274.8 124.6 |
| | | 8 200 | 32.00 813 | 8.50 216 | 285.3 129.4 |
| | | 12 300 | 32.00 813 | 8.50 216 | 306.2 138.9 |
| | | 14 350 | 32.00 813 | 8.50 216 | 312.4 141.7 |
| | | 16 400 | 32.00 813 | 8.50 216 | 322.4 146.2 |
| 20 500 | × 20 500 × | 12 300 | 35.00 889 | 9.00 229 | 362.1 164.3 |
| | | 14 350 | 35.00 889 | 9.00 229 | 368.7 167.2 |
| | | 16 400 | 35.00 889 | 9.00 229 | 379.4 172.1 |
| 24 600 | × 24 600 × | 16 400 | 40.00 1016 | 10.00 254 | 494.9 224.5 |
| | | 20 600 | 40.00 1016 | 10.00 254 | 517.7 254.8 |

IMPORTANT NOTE:

Outlets 12"/300 mm and smaller will be provided with standard Victaulic roll or cut groove, suitable for use with standard Victaulic grooved couplings in that size range.

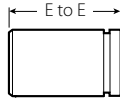
AGS Grooved End Fittings

Adapter Nipple

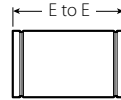
NO. W42 AGS Grv. x Bev.

NO. W43 AGS Grv. x AGS Grv.

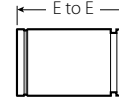
NO. W49 AGS Grv. x OGS Grv.
(Steel)



NO. W42



NO. W43



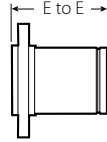
NO. W49

| Size | | No. W42 Adapter Nipple | | No. W43 Adapter Nipple | | No. W49 Adapter Nipple | |
|------------------------------|---|---------------------------|------------------------------------|---------------------------|------------------------------------|---------------------------|------------------------------------|
| Nominal Size Inches mm | Actual Outside Diameter Inches mm | E to E Inches mm | Approx. Weight Each* Lbs. kg | E to E Inches mm | Approx. Weight Each* Lbs. kg | E to E Inches mm | Approx. Weight Each* Lbs. kg |
| 14 350 | 14.000 355.6 | 8.00 203 | 36.0 16.3 | 8.00 203 | 36.0 16.3 | 8.00 203 | 36.0 16.3 |
| 16 400 | 16.000 406.4 | 8.00 203 | 42.0 19.1 | 8.00 203 | 42.0 19.1 | 8.00 203 | 42.0 19.1 |
| 18 450 | 18.000 457.0 | 8.00 203 | 47.0 21.3 | 8.00 203 | 47.0 21.3 | 8.00 203 | 47.0 21.3 |
| 20 500 | 20.000 508.0 | 8.00 203 | 52.0 23.6 | 8.00 203 | 52.0 23.6 | 8.00 203 | 52.0 23.6 |
| 24 600 | 24.000 610.0 | 8.00 203 | 63.0 28.6 | 8.00 203 | 63.0 28.6 | 8.00 203 | 63.0 28.6 |
| 26 650 | 26.000 660.4 | 12.00 304.8 | 104.0 47.1 | 12.00 304.8 | 104.0 47.1 | - - | - - |
| 28 700 | 28.000 711.2 | 12.00 304.8 | 112.0 50.8 | 12.00 304.8 | 112.0 50.8 | - - | - - |
| 30 750 | 30.000 762.0 | 12.00 304.8 | 120.0 54.4 | 12.00 304.8 | 120.0 54.4 | - - | - - |
| 32 800 | 32.000 812.8 | 12.00 304.8 | 128.0 58.1 | 12.00 304.8 | 128.0 58.1 | - - | - - |
| 36 900 | 36.000 914.4 | 12.00 304.8 | 190.0 86.1 | 12.00 304.8 | 190.0 86.1 | - - | - - |
| 40 1000 | 40.000 1016.0 | 12.00 304.8 | 211.0 95.7 | 12.00 304.8 | 211.0 95.7 | - - | - - |
| 42 1050 | 42.000 1066.8 | 12.00 304.8 | 222.0 100.7 | 12.00 304.8 | 222.0 100.7 | - - | - - |
| 46 1150 | 46.000 1168.4 | 12.00 304.8 | 243.0 110.2 | 12.00 304.8 | 243.0 110.2 | - - | - - |
| 48 1200 | 48.000 1219.2 | 12.00 304.8 | 254.0 115.2 | 12.00 304.8 | 254.0 115.2 | - - | - - |
| 54 1350 | 54.000 371.6 | 12.00 304.8 | 286.0 129.7 | 12.00 304.8 | 286.0 129.7 | - - | - - |
| 56 1400 | 56.000 1422.4 | 12.00 304.8 | 297.0 134.7 | 12.00 304.8 | 297.0 134.7 | - - | - - |
| 60 1500 | 60.000 1524.0 | 12.00 304.8 | 318.0 144.2 | 12.00 304.8 | 318.0 144.2 | - - | - - |

AGS Grooved End Fittings

Flanged Adapter Nipple

NO. W45R ANSI Class 150 Raised Face
(Segmentally Welded Steel)

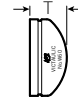


NO. W45R

| Size | | No. W45R Flanged Adapter Nipple | |
|------------------------------|---|------------------------------------|------------------------------------|
| Nominal Size Inches mm | Actual Outside Diameter Inches mm | E to E Inches mm | Approx. Weight Each* Lbs. kg |
| 14 | 14.000 | 8.00 | 122.0 |
| 350 | 355.6 | 203 | 55.3 |
| 16 | 16.000 | 8.00 | 136.0 |
| 400 | 406.4 | 203 | 61.7 |
| 18 | 18.000 | 8.00 | 168.0 |
| 450 | 457.0 | 203 | 76.2 |
| 20 | 20.000 | 8.00 | 208.0 |
| 500 | 508.0 | 203 | 94.3 |
| 24 | 24.000 | 8.00 | 274.0 |
| 600 | 610.0 | 203 | 124.3 |
| 26 | 26.000 | 12.00 | 254.0 |
| 650 | 660.4 | 304.8 | 115.2 |
| 28 | 28.000 | 12.00 | 262.0 |
| 700 | 711.2 | 304.8 | 118.8 |
| 30 | 30.000 | 12.00 | 270.0 |
| 750 | 762.0 | 304.8 | 122.4 |
| 32 | 32.000 | 12.00 | 278.0 |
| 800 | 812.8 | 304.8 | 126.1 |
| 36 | 36.000 | 12.00 | 340.0 |
| 900 | 914.4 | 304.8 | 154.2 |
| 40 | 40.000 | 12.00 | 361.0 |
| 1000 | 1016.0 | 304.8 | 163.7 |
| 42 | 42.000 | 12.00 | 372.0 |
| 1050 | 1066.8 | 304.8 | 168.7 |
| 46 | 46.000 | 12.00 | 393.0 |
| 1150 | 1168.4 | 304.8 | 178.2 |
| 48 | 48.000 | 12.00 | 404.0 |
| 1200 | 1219.2 | 304.8 | 183.2 |
| 54 | 42.000 | 16.00 | 436.0 |
| 1372 | 1066.8 | 406.4 | 197.8 |
| 56 | 46.000 | 16.00 | 447.0 |
| 1422 | 1168.4 | 406.4 | 202.8 |
| 60 | 48.000 | 16.00 | 468.0 |
| 1524 | 1219.2 | 406.4 | 212.3 |

Cap

NO. W60
(Segmentally Welded Steel)



NO. W60

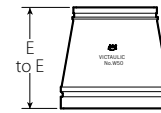
| Size | | No. W60 Cap | |
|------------------------------|---|------------------------|-----------------------------------|
| Nominal Size Inches mm | Actual Outside Diameter Inches mm | E to E Inches mm | Approx. Weight Each Lbs. kg |
| 14 | 14.000 | 6.50 | 33.2 |
| 350 | 355.6 | 165.0 | 15.1 |
| 16 | 16.000 | 7.00 | 41.2 |
| 400 | 406.4 | 178.0 | 18.7 |
| 18 | 18.000 | 8.00 | 54.6 |
| 450 | 457.0 | 203.0 | 24.8 |
| 20 | 20.000 | 9.00 | 67.5 |
| 500 | 508.0 | 229.0 | 30.6 |
| 24 | 24.000 | 10.50 | 96.0 |
| 600 | 610.0 | 267.0 | 43.5 |
| 26 | 26.000 | 14.50 | 144.0 |
| 650 | 660.4 | 368.3 | 65.3 |
| 28 | 28.000 | 15.00 | 166.0 |
| 700 | 711.2 | 381.0 | 75.2 |
| 30 | 30.000 | 15.50 | 187.0 |
| 750 | 762.0 | 393.7 | 84.8 |
| 32 | 32.000 | 16.00 | 209.0 |
| 800 | 812.8 | 406.4 | 94.8 |
| 36 | 36.000 | 17.00 | 253.0 |
| 900 | 914.4 | 431.8 | 114.7 |
| 40 | 40.000 | 18.00 | 391.0 |
| 1000 | 1016.8 | 457.2 | 177.3 |
| 42 | 42.000 | 18.50 | 420.0 |
| 1050 | 1066.8 | 469.9 | 190.5 |
| 46 | 46.000 | 19.50 | 532.0 |
| 1150 | 1168.4 | 495.3 | 241.3 |
| 48 | 48.000 | 20.00 | 613.0 |
| 1200 | 1219.2 | 508.0 | 278.1 |
| 54 | 54.000 | 21.50 | 785.0 |
| 1372 | 1371.6 | 546.1 | 356.1 |
| 56 | 56.000 | 22.00 | 875.0 |
| 1422 | 1422.4 | 558.8 | 396.8 |
| 60 | 60.000 | 23.00 | 977.0 |
| 1524 | 1524.0 | 584.2 | 443.1 |

AGS Grooved End Fittings

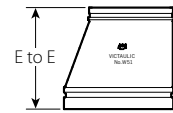
Concentric/Eccentric Reducer

NO. W50 Concentric

NO. W51 Eccentric



NO. W50



NO. W51

| Size | | No. W50 Concentric Reducer | | No. W51 Eccentric Reducer | |
|---------------------|-----------|----------------------------|-----------------------------|---------------------------|-----------------------------|
| Nominal Size Inches | mm | E to E Inches | Approx. Weight Each Lbs. kg | E to E Inches | Approx. Weight Each Lbs. kg |
| 14 | 350 × 150 | 6 | 68.0 | 13.00 | 68.0 |
| | | 8 | 70.0 | 13.00 | 70.0 |
| | | 10 † | 72.0 | 13.00 | 72.0 |
| | | 12 † | 74.0 | 13.00 | 74.0 |
| 16 | 400 × 200 | 8 | 88.0 | 14.00 | 88.0 |
| | | 10 | 91.0 | 14.00 | 91.0 |
| | | 12 † | 93.0 | 14.00 | 93.0 |
| | | 14 † | 95.0 | 14.00 | 95.0 |
| 18 | 450 × 250 | 10 | 112.0 | 15.00 | 112.0 |
| | | 12 | 115.0 | 15.00 | 115.0 |
| | | 14 † | 118.0 | 15.00 | 118.0 |
| | | 16 † | 121.0 | 15.00 | 121.0 |
| 20 | 500 × 300 | 12 | 160.0 | 20.00 | 160.0 |
| | | 14 | 164.0 | 20.00 | 164.0 |
| | | 16 † | 168.0 | 20.00 | 168.0 |
| | | 18 † | 172.0 | 20.00 | 172.0 |
| 24 | 600 × 400 | 16 | 198.0 | 20.00 | 198.0 |
| | | 18 † | 200.0 | 20.00 | 200.0 |
| | | 20 † | 204.0 | 20.00 | 204.0 |
| | | | 92.5 | 508 | 92.5 |

| Size | | No. W50 Concentric Reducer | | No. W51 Eccentric Reducer | |
|---------------------|-----------|----------------------------|-----------------------------|---------------------------|-----------------------------|
| Nominal Size Inches | mm | E to E Inches | Approx. Weight Each Lbs. kg | E to E Inches | Approx. Weight Each Lbs. kg |
| 26 | 650 × 350 | 14 | 167.0 | 24.00 | 159.0 |
| | | 16 | 173.0 | 24.00 | 167.0 |
| | | 18 | 179.0 | 24.00 | 175.0 |
| | | 20 | 185.0 | 24.00 | 183.0 |
| | | 22 | 192.0 | 24.00 | 191.0 |
| | | 24 | 199.0 | 24.00 | 199.0 |
| | | 26 | 206.0 | 24.00 | 206.0 |
| | | 28 | 213.0 | 24.00 | 213.0 |
| | | 30 | 220.0 | 24.00 | 220.0 |
| | | 32 | 227.0 | 24.00 | 227.0 |
| 28 | 700 × 400 | 14 | 180.0 | 24.00 | 167.0 |
| | | 16 | 185.0 | 24.00 | 175.0 |
| | | 18 | 190.0 | 24.00 | 183.0 |
| | | 20 | 196.0 | 24.00 | 191.0 |
| | | 22 | 202.0 | 24.00 | 199.0 |
| | | 24 | 208.0 | 24.00 | 207.0 |
| | | 26 | 214.0 | 24.00 | 215.0 |
| | | 28 | 220.0 | 24.00 | 223.0 |
| | | 30 | 226.0 | 24.00 | 231.0 |
| | | 32 | 232.0 | 24.00 | 239.0 |
| 30 | 750 × 350 | 14 | 192.0 | 24.00 | 175.0 |
| | | 16 | 197.0 | 24.00 | 183.0 |
| | | 18 | 202.0 | 24.00 | 191.0 |
| | | 20 | 207.0 | 24.00 | 199.0 |
| | | 22 | 213.0 | 24.00 | 207.0 |
| | | 24 | 218.0 | 24.00 | 215.0 |
| | | 26 | 223.0 | 24.00 | 223.0 |
| | | 28 | 228.0 | 24.00 | 231.0 |
| | | 30 | 233.0 | 24.00 | 239.0 |
| | | 32 | 238.0 | 24.00 | 247.0 |

† Ductile iron up to 24"/600mm, all other sizes are segmentally welded steel. Contact Victaulic for details.

IMPORTANT NOTE:

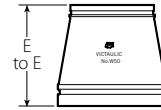
Outlets 12"/300mm and smaller will be provided with standard Victaulic roll or cut grooves, suitable for use with standard Victaulic grooved couplings in that size range.

AGS Grooved End Fittings

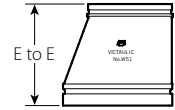
Concentric/Eccentric Reducer

NO. W50 Concentric

NO. W51 Eccentric



NO. W50



NO. W51

| Size | No. W50 Concentric Reducer | | No. W51 Eccentric Reducer | | |
|------------|----------------------------|------------------|-----------------------------|-----------------------------|-------|
| | Nominal Size Inches mm | E to E Inches mm | Approx. Weight Each Lbs. kg | Approx. Weight Each Lbs. kg | |
| 32 800 | 16 400 | 24.00 | 210.0 | 24.00 | 191.0 |
| | | 609.6 | 95.3 | 609.6 | 86.6 |
| | 18 450 | 24.00 | 214.0 | 24.00 | 199.0 |
| | | 609.6 | 97.1 | 609.6 | 90.3 |
| | 20 500 | 24.00 | 219.0 | 24.00 | 207.0 |
| | 609.6 | 99.3 | 609.6 | 93.9 | |
| | 22 550 | 24.00 | 224.0 | 24.00 | 215.0 |
| | | 609.6 | 101.6 | 609.6 | 97.5 |
| | 24 600 | 24.00 | 229.0 | 24.00 | 223.0 |
| | | 609.6 | 103.9 | 609.6 | 101.2 |
| 26 650 | 24.00 | 235.0 | 24.00 | 232.0 | |
| | 609.6 | 106.6 | 609.6 | 105.2 | |
| 28 700 | 24.00 | 241.0 | 24.00 | 240.0 | |
| | 609.6 | 109.3 | 609.6 | 108.9 | |
| 30 750 | 24.00 | 248.0 | 24.00 | 248.0 | |
| | 609.6 | 112.5 | 609.6 | 112.5 | |
| 36 900 | 18 450 | 24.00 | 320.0 | 24.00 | 282.0 |
| | | 609.6 | 145.2 | 609.6 | 127.9 |
| | 20 500 | 24.00 | 325.0 | 24.00 | 292.0 |
| | | 609.6 | 147.4 | 609.6 | 132.5 |
| | 22 550 | 24.00 | 330.0 | 24.00 | 303.0 |
| | | 609.6 | 149.7 | 609.6 | 137.4 |
| | 24 600 | 24.00 | 336.0 | 24.00 | 314.0 |
| | | 609.6 | 152.4 | 609.6 | 142.4 |
| | 26 650 | 24.00 | 342.0 | 24.00 | 324.0 |
| | | 609.6 | 155.1 | 609.6 | 147.0 |
| 28 700 | 24.00 | 348.0 | 24.00 | 335.0 | |
| | 609.6 | 157.9 | 609.6 | 152.0 | |
| 30 750 | 24.00 | 355.0 | 24.00 | 346.0 | |
| | 609.6 | 161.0 | 609.6 | 157.0 | |
| 32 800 | 24.00 | 363.0 | 24.00 | 356.0 | |
| | 609.6 | 164.7 | 609.6 | 161.5 | |
| 40 1000 | 20 500 | 24.00 | 365.0 | 24.00 | 316.0 |
| | | 609.6 | 165.6 | 609.6 | 143.3 |
| | 22 550 | 24.00 | 369.0 | 24.00 | 326.0 |
| | | 609.6 | 167.3 | 609.6 | 147.8 |
| | 24 600 | 24.00 | 373.0 | 24.00 | 337.0 |
| | | 609.6 | 169.1 | 609.6 | 152.8 |
| | 26 650 | 24.00 | 377.0 | 24.00 | 346.0 |
| | | 609.6 | 171.1 | 609.6 | 156.9 |
| | 28 700 | 24.00 | 382.0 | 24.00 | 357.0 |
| | | 609.6 | 173.2 | 609.6 | 161.9 |
| 30 750 | 24.00 | 387.0 | 24.00 | 367.0 | |
| | 609.6 | 175.5 | 609.6 | 166.4 | |
| 32 800 | 24.00 | 393.0 | 24.00 | 378.0 | |
| | 609.6 | 178.2 | 609.6 | 171.4 | |
| 36 900 | 24.00 | 407.0 | 24.00 | 399.0 | |
| | 609.6 | 184.6 | 609.6 | 180.9 | |

| Size | No. W50 Concentric Reducer | | No. W51 Eccentric Reducer | | |
|------------|----------------------------|------------------|-----------------------------|-----------------------------|-------|
| | Nominal Size Inches mm | E to E Inches mm | Approx. Weight Each Lbs. kg | Approx. Weight Each Lbs. kg | |
| 42 1050 | 20 500 | 24.00 | 386.0 | 24.00 | 327.0 |
| | | 609.6 | 175.1 | 609.6 | 148.3 |
| | 22 550 | 24.00 | 390.0 | 24.00 | 337.0 |
| | | 609.6 | 176.9 | 609.6 | 152.8 |
| | 24 600 | 24.00 | 393.0 | 24.00 | 348.0 |
| | | 609.6 | 178.2 | 609.6 | 157.8 |
| | 26 650 | 24.00 | 397.0 | 24.00 | 359.0 |
| | | 609.6 | 180.1 | 609.6 | 162.8 |
| | 28 700 | 24.00 | 401.0 | 24.00 | 369.0 |
| | | 609.6 | 181.8 | 609.6 | 167.3 |
| | 30 750 | 24.00 | 405.0 | 24.00 | 378.0 |
| | | 609.6 | 183.7 | 609.6 | 171.4 |
| | 32 800 | 24.00 | 409.0 | 24.00 | 389.0 |
| | | 609.6 | 185.5 | 609.6 | 176.4 |
| 36 900 | 24.00 | 421.0 | 24.00 | 410.0 | |
| | 609.6 | 190.9 | 609.6 | 185.9 | |
| 40 1000 | 24.00 | 438.0 | 24.00 | 432.0 | |
| | 609.6 | 198.6 | 609.6 | 195.9 | |
| 46 1150 | 22 550 | 28.00 | 479.0 | 28.00 | 419.0 |
| | | 711.2 | 217.2 | 711.2 | 190.1 |
| | 24 600 | 28.00 | 485.0 | 28.00 | 431.0 |
| | | 711.2 | 219.9 | 711.2 | 195.5 |
| | 26 650 | 28.00 | 490.0 | 28.00 | 444.0 |
| | | 711.2 | 222.2 | 711.2 | 201.4 |
| | 28 700 | 28.00 | 496.0 | 28.00 | 456.0 |
| | | 711.2 | 224.9 | 711.2 | 206.8 |
| | 30 750 | 28.00 | 502.0 | 28.00 | 469.0 |
| | | 711.2 | 227.7 | 711.2 | 212.7 |
| 32 800 | 28.00 | 508.0 | 28.00 | 481.0 | |
| | 711.2 | 230.4 | 711.2 | 218.1 | |
| 36 900 | 28.00 | 523.0 | 28.00 | 504.0 | |
| | 711.2 | 237.2 | 711.2 | 228.6 | |
| 38 950 | 28.00 | 531.0 | 28.00 | 516.0 | |
| | 711.2 | 240.8 | 711.2 | 234.1 | |
| 40 1000 | 28.00 | 540.0 | 28.00 | 529.0 | |
| | 711.2 | 244.9 | 711.2 | 239.9 | |
| 42 1050 | 28.00 | 550.0 | 28.00 | 542.0 | |
| | 711.2 | 249.4 | 711.2 | 245.8 | |

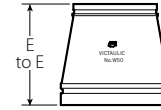
† Ductile iron up to 24"/600mm, all other sizes are segmentally welded steel. Contact Victaulic for details.

AGS Grooved End Fittings

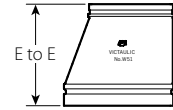
Concentric/Eccentric Reducer

NO. W50 Concentric

NO. W51 Eccentric



NO. W50



NO. W51

| Size | | No. W50 Concentric Reducer | | No. W51 Eccentric Reducer | |
|---------------------|------------|----------------------------|-----------------------------|---------------------------|-----------------------------|
| Nominal Size Inches | mm | E to E Inches | Approx. Weight Each Lbs. kg | E to E Inches | Approx. Weight Each Lbs. kg |
| 48 1200 | 24 600 | 28.00 | 507.0 | 28.00 | 444.0 |
| | | 711.2 | 229.9 | 711.2 | 201.4 |
| | 26 650 | 28.00 | 513.0 | 28.00 | 456.0 |
| | | 711.2 | 232.6 | 711.2 | 206.8 |
| | 28 700 | 28.00 | 518.0 | 28.00 | 467.0 |
| | | 711.2 | 234.9 | 711.2 | 211.8 |
| | 30 750 | 28.00 | 523.0 | 28.00 | 481.0 |
| | | 711.2 | 237.2 | 711.2 | 218.1 |
| | 32 800 | 28.00 | 529.0 | 28.00 | 494.0 |
| | | 711.2 | 239.9 | 711.2 | 224.1 |
| | 36 900 | 28.00 | 541.0 | 28.00 | 516.0 |
| | | 711.2 | 245.3 | 711.2 | 234.1 |
| | 38 950 | 28.00 | 548.0 | 28.00 | 529.0 |
| | | 711.2 | 248.5 | 711.2 | 239.9 |
| 40 1000 | 28.00 | 557.0 | 28.00 | 542.0 | |
| | 711.2 | 252.6 | 711.2 | 245.8 | |
| 42 1050 | 28.00 | 565.0 | 28.00 | 554.0 | |
| | 711.2 | 256.2 | 711.2 | 251.3 | |
| 46 1150 | 28.00 | 586.0 | 28.00 | 579.0 | |
| | 711.2 | 265.8 | 711.2 | 262.6 | |
| 54 1350 | 26 650 | 54.00 | 995.0 | 54.00 | 950.0 |
| | | 1371.6 | 451.3 | 1371.6 | 430.9 |
| | 28 700 | 54.00 | 1015.0 | 54.00 | 974.0 |
| | | 1371.6 | 460.4 | 1371.6 | 441.8 |
| | 30 750 | 54.00 | 1035.0 | 54.00 | 998.0 |
| | | 1371.6 | 469.4 | 1371.6 | 452.6 |
| | 32 800 | 54.00 | 1054.0 | 54.00 | 1022.0 |
| | | 1371.6 | 478.1 | 1371.6 | 463.5 |
| | 36 900 | 54.00 | 1095.0 | 54.00 | 1070.0 |
| | | 1371.6 | 496.6 | 1371.6 | 485.3 |
| | 38 950 | 54.00 | 1116.0 | 54.00 | 1095.0 |
| | | 1371.6 | 506.2 | 1371.6 | 496.6 |
| | 40 1000 | 54.00 | 1137.0 | 54.00 | 1119.0 |
| | | 1371.6 | 515.7 | 1371.6 | 507.5 |
| 42 1050 | 54.00 | 1158.0 | 54.00 | 1143.0 | |
| | 1371.6 | 525.2 | 1371.6 | 518.4 | |
| 46 1150 | 54.00 | 1202.0 | 54.00 | 1191.0 | |
| | 1371.6 | 545.2 | 1371.6 | 540.2 | |
| 48 1200 | 54.00 | 1224.0 | 54.00 | 1215.0 | |
| | 1371.6 | 555.2 | 1371.6 | 551.1 | |

| Size | | No. W50 Concentric Reducer | | No. W51 Eccentric Reducer | |
|---------------------|------------|----------------------------|-----------------------------|---------------------------|-----------------------------|
| Nominal Size Inches | mm | E to E Inches | Approx. Weight Each Lbs. kg | E to E Inches | Approx. Weight Each Lbs. kg |
| 56 1400 | 28 700 | 56.00 | 1081.0 | 56.00 | 1035.0 |
| | | 1422.4 | 490.3 | 1422.4 | 469.4 |
| | 30 750 | 56.00 | 1101.0 | 56.00 | 1060.0 |
| | | 1422.4 | 499.4 | 1422.4 | 480.8 |
| | 32 800 | 56.00 | 1122.0 | 56.00 | 1085.0 |
| | | 1422.4 | 508.9 | 1422.4 | 492.1 |
| | 36 900 | 56.00 | 1164.0 | 56.00 | 1135.0 |
| | | 1422.4 | 527.9 | 1422.4 | 514.8 |
| | 38 950 | 56.00 | 1185.0 | 56.00 | 1160.0 |
| | | 1422.4 | 537.5 | 1422.4 | 526.1 |
| | 40 1000 | 56.00 | 1207.0 | 56.00 | 1186.0 |
| | | 1422.4 | 547.4 | 1422.4 | 537.9 |
| | 42 1050 | 56.00 | 1228.0 | 56.00 | 1211.0 |
| | | 1422.4 | 557.1 | 1422.4 | 549.3 |
| 46 1150 | 56.00 | 1273.0 | 56.00 | 1261.0 | |
| | 1422.4 | 577.8 | 1422.4 | 571.9 | |
| 48 1200 | 56.00 | 1296.0 | 56.00 | 1286.0 | |
| | 1422.4 | 587.7 | 1422.4 | 583.3 | |
| 54 1350 | 56.00 | 1368.0 | 56.00 | 1361.0 | |
| | 1422.4 | 620.5 | 1422.4 | 617.3 | |
| 60 1500 | 30 750 | 60.00 | 1241.0 | 60.00 | 1190.0 |
| | | 1524.0 | 562.9 | 1524.0 | 539.7 |
| | 32 800 | 60.00 | 1263.0 | 60.00 | 1217.0 |
| | | 1524.0 | 572.8 | 1524.0 | 552.1 |
| | 36 900 | 60.00 | 1307.0 | 60.00 | 1270.0 |
| | | 1524.0 | 592.8 | 1524.0 | 576.1 |
| | 38 950 | 60.00 | 1330.0 | 60.00 | 1297.0 |
| | | 1524.0 | 603.2 | 1524.0 | 588.3 |
| | 40 1000 | 60.00 | 1353.0 | 60.00 | 1324.0 |
| | | 1524.0 | 613.7 | 1524.0 | 600.5 |
| | 42 1050 | 60.00 | 1376.0 | 60.00 | 1351.0 |
| | | 1524.0 | 624.1 | 1524.0 | 612.8 |
| | 46 1150 | 60.00 | 1423.0 | 60.00 | 1404.0 |
| | | 1524.0 | 645.4 | 1524.0 | 636.8 |
| 48 1200 | 60.00 | 1447.0 | 60.00 | 1431.0 | |
| | 1524.0 | 656.3 | 1524.0 | 649.1 | |
| 54 1350 | 60.00 | 1521.0 | 60.00 | 1512.0 | |
| | 1524.0 | 689.9 | 1524.0 | 685.8 | |
| 56 1400 | 60.00 | 1547.0 | 60.00 | 1538.0 | |
| | 1524.0 | 701.7 | 1524.0 | 697.6 | |

† Ductile iron up to 24"/600mm, all other sizes are segmentally welded steel. Contact Victaulic for details.

AGS Grooved End Fittings

WARRANTY

Refer to the Warranty section of the current Price List or contact Victaulic for details.

NOTE

This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.

For complete contact information, visit www.victaulic.com

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