

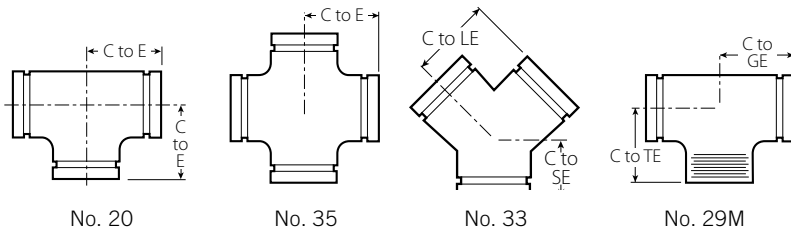
**Tees, Crosses and True Wyes**

**No. 20** Tee

**No. 35** Cross

**No. 33** True Wye

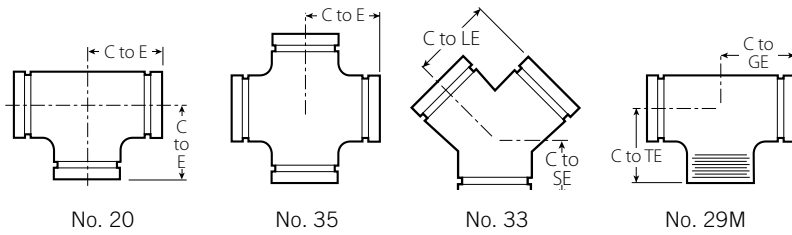
**No. 29M** Tee with Threaded Branch



| Size         |                         | No. 20 Tee       |                     | No. 35 Cross (sw) |                     | No. 33 True Wye (sw) |              |                     | No. 29M Tee with Threaded Branch |                  |                     |
|--------------|-------------------------|------------------|---------------------|-------------------|---------------------|----------------------|--------------|---------------------|----------------------------------|------------------|---------------------|
| Nominal Size | Actual Outside Diameter | C to E           | Approx. Weight Each | C to E            | Approx. Weight Each | C to LE              | C to SE      | Approx. Weight Each | C to GE                          | C to TE          | Approx. Weight Each |
| inches<br>mm | inches<br>mm            | inches<br>mm     | lbs.<br>kg          | inches<br>mm      | lbs.<br>kg          | inches<br>mm         | inches<br>mm | lbs.<br>kg          | inches<br>mm                     | inches<br>mm     | lbs.<br>kg          |
| ¾<br>20      | 1.050<br>26.9           | 2.25<br>57       | 0.6<br>0.3          | 2.25<br>57        | 0.9<br>0.4          | 2.25<br>57           | 2.00<br>51   | 0.7<br>0.3          | 2.25<br>57                       | 2.25 (sw)<br>57  | 0.6<br>0.3          |
| 1<br>25      | 1.315<br>33.7           | 2.25<br>57       | 1.0<br>0.5          | 2.25<br>57        | 1.3<br>0.6          | 2.25<br>57           | 2.25<br>57   | 1.1<br>0.5          | 2.25<br>57                       | 2.25<br>57       | 1.0<br>0.5          |
| 1¼<br>32     | 1.660<br>42.4           | 2.75<br>70       | 1.5<br>0.7          | 2.75<br>70        | 2.1<br>1.0          | 2.75<br>70           | 2.50<br>64   | 1.5<br>0.7          | 2.75<br>70                       | 2.75<br>70       | 1.5<br>0.7          |
| 1½<br>40     | 1.900<br>48.3           | 2.75<br>70       | 2.0<br>0.9          | 2.75<br>70        | 2.5<br>1.1          | 2.75<br>70           | 2.75<br>70   | 1.8<br>0.8          | 2.75<br>70                       | 2.75<br>70       | 2.0<br>0.9          |
| 2<br>50      | 2.375<br>60.3           | 3.25<br>83       | 3.0<br>1.4          | 3.25<br>83        | 3.8<br>1.7          | 3.25<br>83           | 2.75<br>70   | 2.5<br>1.1          | 3.25<br>83                       | 4.25<br>108      | 3.0<br>1.4          |
| 2½<br>65     | 2.875<br>73.0           | 3.75<br>95       | 4.3<br>2.0          | 3.75<br>95        | 6.1<br>2.8          | 3.75<br>95           | 3.00<br>76   | 4.3<br>2.0          | 3.75<br>95                       | 3.75<br>95       | 4.3<br>2.0          |
| 76.1 mm      | 3.000<br>76.1           | 3.75<br>95       | 5.2<br>2.4          | —                 | —                   | —                    | —            | —                   | 3.75<br>95                       | 3.75 (sw)<br>95  | 5.2<br>2.4          |
| 3<br>80      | 3.500<br>88.9           | 4.25<br>108      | 6.8<br>3.0          | 4.25<br>108       | 10.5<br>4.8         | 4.25<br>108          | 3.25<br>83   | 6.1<br>2.8          | 4.25<br>108                      | 6.00<br>152      | 6.8<br>3.1          |
| 3½<br>90     | 4.000<br>101.6          | 4.50 (sw)<br>114 | 7.9<br>3.6          | 4.50<br>114       | 11.5<br>5.2         | 4.50<br>114          | 3.50<br>89   | 9.6<br>4.4          | 4.50<br>114                      | 4.50 (sw)<br>114 | 7.9<br>3.6          |
| 108.0 mm     | 4.250<br>108.0          | 5.00<br>127      | 15.5<br>7.0         | —                 | —                   | —                    | —            | —                   | 5.00<br>127                      | 5.00 (sw)<br>127 | 15.5<br>7.0         |
| 4<br>100     | 4.500<br>114.3          | 5.00<br>127      | 11.9<br>5.4         | 5.00<br>127       | 15.8<br>7.2         | 5.00<br>127          | 3.75<br>95   | 9.8<br>4.4          | 5.00<br>127                      | 7.25<br>184      | 11.9<br>5.4         |
| 4½<br>120    | 5.000<br>127.0          | 5.25 (sw)<br>133 | 15.0<br>6.8         | 5.25<br>133       | 18.5<br>8.4         | —                    | —            | —                   | 5.25<br>133                      | 5.25 (sw)<br>133 | 15.0<br>6.8         |
| 133.0 mm     | 5.250<br>133.0          | 5.50<br>140      | 17.8<br>8.1         | —                 | —                   | —                    | —            | —                   | 5.50<br>140                      | 5.50 (sw)<br>140 | 17.8<br>8.1         |
| 139.7 mm     | 5.500<br>139.7          | 5.50<br>140      | 17.8<br>8.1         | —                 | —                   | —                    | —            | —                   | 5.50<br>140                      | 5.50 (sw)<br>140 | 17.8<br>8.1         |
| 5<br>125     | 5.563<br>141.3          | 5.50<br>140      | 17.8<br>8.1         | 5.50<br>140       | 20.0<br>9.1         | 5.50<br>140          | 4.00<br>102  | 15.0<br>6.8         | 5.50<br>140                      | 5.50 (sw)<br>140 | 17.8<br>8.1         |
| 159.0 mm     | 6.250<br>159.0          | 6.50<br>165      | 27.1<br>12.3        | —                 | —                   | —                    | —            | —                   | 6.50<br>165                      | 6.50 (sw)<br>165 | 27.1<br>12.3        |
| 165.1 mm     | 6.500<br>165.1          | 6.50<br>165      | 22.0<br>10.0        | 6.50<br>165       | 28.0<br>12.7        | —                    | —            | —                   | 6.50<br>165                      | 6.50 (sw)<br>165 | 22.0<br>10.0        |

6 For 14"/350 mm and larger roll grooved systems, Victaulic offers the Advanced Groove System (AGS). For pricing and availability of cut groove fittings in this size, contact your nearest Victaulic sales representative.

7 Chinese standard sizes



| Size                  |  | No. 20 Tee        |                     | No. 35 Cross (sw) |                     | No. 33 True Wye (sw) |         |                     | No. 29M Tee with Threaded Branch |          |                     |
|-----------------------|--|-------------------|---------------------|-------------------|---------------------|----------------------|---------|---------------------|----------------------------------|----------|---------------------|
| Nominal Size          | Actual Outside Diameter  | C to E            | Approx. Weight Each | C to E            | Approx. Weight Each | C to LE              | C to SE | Approx. Weight Each | C to GE                          | C to TE  | Approx. Weight Each |
| inches                | inches   | inches            | lbs.                | inches            | lbs.                | inches               | inches  | lbs.                | inches                           | inches   | lbs.                |
| mm                    | mm   | mm                | kg                  | mm                | kg                  | mm                   | mm      | kg                  | mm                               | mm       | kg                  |
| 6                     | 6.625  | 6.50              | 25.7                | 6.50              | 28.0                | 6.50                 | 4.50    | 22.3                | 6.50                             | 6.50(sw) | 25.7                |
| 150                   | 168.3  | 165               | 11.7                | 165               | 12.7                | 165                  | 114     | 10.1                | 165                              | 165      | 11.7                |
| 8                     | 8.625  | 7.75              | 47.6                | 7.75              | 48.0                | 7.75                 | 6.00    | 36.0                | 7.75                             | 7.75     | 47.6                |
| 200                   | 219.1  | 197               | 21.6                | 197               | 21.8                | 197                  | 152     | 16.3                | 197                              | 197      | 21.6                |
| 10                    | 10.750   | 9.00              | 99.0                | 9.00              | 121.5               | 9.00                 | 6.50    | 69.9                | 9.00                             | 9.00     | 99.0                |
| 250                   | 273.0  | 229               | 44.9                | 229               | 55.1                | 229                  | 155     | 31.7                | 229                              | 229      | 44.9                |
| 12                    | 12.750   | 10.00             | 133.0               | 10.00             | 110.0               | 10.00                | 7.00    | 80.0                | 10.00                            | 10.00    | 133.0               |
| 300                   | 323.9  | 254               | 60.3                | 254               | 49.9                | 254                  | 178     | 36.3                | 254                              | 254      | 60.3                |
| 14 <sup>6</sup>       | 14.000   | 11.00 (sw)        | 145.0               | 11.00             | 198.0               | 11.00                | 7.50    | 134.2               | —                                | —        | —                   |
| 350                   | 355.6  | 279               | 65.8                | 279               | 89.8                | 279                  | 191     | 60.8                | —                                | —        | —                   |
| 377.0 mm              | 377.0  | 11.50<br>292      | 145.0<br>65.8       | —                 | —                   | —                    | —       | —                   | —                                | —        | —                   |
| 16 <sup>6</sup>       | 16.000   | 12.00 (sw)        | 186.0               | 12.00             | 250.0               | 12.00                | 8.00    | 167.0               | —                                | —        | —                   |
| 400                   | 406.4  | 305               | 84.4                | 305               | 113.4               | 305                  | 203     | 75.7                | —                                | —        | —                   |
| 426.0 mm <sup>7</sup> | 426.0  | 13.00<br>300      | 186.0<br>84.4       | —                 | —                   | —                    | —       | —                   | —                                | —        | —                   |
| 18 <sup>6</sup>       | 18.000   | 15.50 (sw)        | 260.0               | 15.50             | 350.0               | 15.50                | 8.50    | 234.0               | —                                | —        | —                   |
| 450                   | 457.0  | 394               | 117.9               | 394               | 158.8               | 394                  | 216     | 106.1               | —                                | —        | —                   |
| 480.0 mm <sup>7</sup> | 480.0  | 14.63<br>372      | 256.0<br>116.1      | —                 | —                   | —                    | —       | —                   | —                                | —        | —                   |
| 20 <sup>6</sup>       | 20.000   | 17.25 (sw)        | 336.0               | 17.25             | 452.0               | 17.25                | 9.00    | 281.0               | —                                | —        | —                   |
| 500                   | 508.0  | 438               | 152.4               | 438               | 205.0               | 438                  | 229     | 127.5               | —                                | —        | —                   |
| 530.0 mm <sup>7</sup> | 530.0  | 15.38 (sw)<br>391 | 339.0<br>153.8      | —                 | —                   | —                    | —       | —                   | —                                | —        | —                   |
| 24 <sup>6</sup>       | 24.000   | 20.00 (sw)        | 592.0               | 20.00             | 795.0               | 20.00                | 10.00   | 523.0               | —                                | —        | —                   |
| 600                   | 610.0  | 508               | 268.5               | 508               | 360.6               | 508                  | 254     | 237.2               | —                                | —        | —                   |
| 630.0 mm <sup>7</sup> | 630.0  | 17.38 (sw)<br>441 | 473.0<br>214.5      | —                 | —                   | —                    | —       | —                   | —                                | —        | —                   |
| 14 – 60<br>350 – 1500 | For AGS fitting information, see <a href="#">publication 20.05</a> |                   |                     |                   |                     |                      |         |                     |                                  |          |                     |



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**General Notes**

Note: All fittings are ductile iron unless otherwise noted with an (sw) or (s).

(s) = Carbon Steel Direct Roll Groove (OGS)

(sw) = Carbon Steel Segmentally Welded