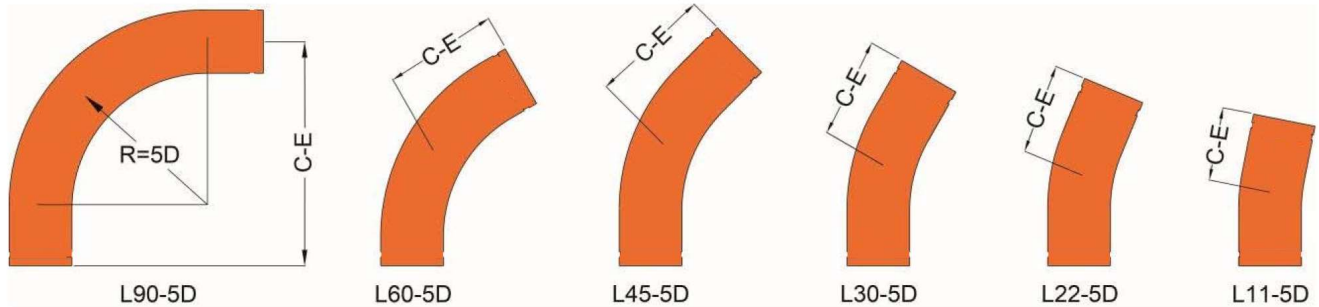


Models L90-3D / L60-3D / L45-3D / L30-3D / L22-3D / L11-3D Wrought Elbows

| Nominal Pipe Size | Pipe O.D. | L90-3D 90° Elbow | | L60-3D 60° Elbow | | L45-3D 45° Elbow | | L30-3D 30° Elbow | | L22-3D 22½° Elbow | | L11-3D 11¼° Elbow | |
|-------------------------|--------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|----------------------|------------|----------------------|------------|
| | | C-E | Weight | C-E | Weight | C-E | Weight | C-E | Weight | C-E | Weight | C-E | Weight |
| | | in mm | Lbs Kgs | in mm | Lbs Kgs | in mm | Lbs Kgs | in mm | Lbs Kgs | in mm | Lbs Kgs | in mm | Lbs Kgs |
| 5 | 5.563 | 20.0 | 40.5 | 13.75 | 31.3 | 11.25 | 26.9 | 9.00 | 21.8 | 8.00 | 19.4 | 6.50 | 15.8 |
| 125 | 141.3 | 508 | 18.4 | 349 | 14.2 | 286 | 12.2 | 229 | 9.9 | 203 | 8.8 | 165 | 7.2 |
| 6 | 6.625 | 24.0 | 60.7 | 16.50 | 48.8 | 13.50 | 39.7 | 10.75 | 33.9 | 9.50 | 30.1 | 7.75 | 24.6 |
| 150 | 168.3 | 610 | 27.5 | 419 | 22.1 | 343 | 18.0 | 273 | 15.4 | 241 | 13.7 | 197 | 11.2 |
| 8 | 8.625 | 32.0 | 132.3 | 22.00 | 97.9 | 18.00 | 86.0 | 14.50 | 68.0 | 12.75 | 60.5 | 10.50 | 49.3 |
| 200 | 219.1 | 813 | 60.0 | 559 | 44.4 | 457 | 39.0 | 368 | 30.8 | 324 | 27.4 | 267 | 22.4 |
| 10 | 10.750 | 40.0 | 211.6 | 27.25 | 173.4 | 22.50 | 136.7 | 18.00 | 120.5 | 16.00 | 107.2 | 13.00 | 87.3 |
| 250 | 273.0 | 1016 | 96.0 | 692 | 78.7 | 572 | 62.0 | 457 | 54.7 | 406 | 48.6 | 330 | 39.6 |
| 12 | 12.750 | 48.0 | 319.7 | 32.75 | 254.8 | 27.00 | 205.0 | 21.75 | 177.0 | 19.25 | 157.5 | 15.50 | 128.3 |
| 300 | 323.9 | 1219 | 145.0 | 832 | 115.6 | 686 | 93.0 | 552 | 80.3 | 489 | 71.4 | 394 | 58.2 |
| 14 | 14.000 | 54.0 | 390.2 | 38.25 | 327.3 | 31.50 | 227.3 | 25.25 | 227.3 | 22.50 | 202.3 | 18.25 | 164.8 |
| 350 | 355.6 | 1372 | 177.0 | 972 | 148.5 | 800 | 103.1 | 641 | 103.1 | 572 | 91.8 | 464 | 74.8 |
| 16 | 16.000 | 60.0 | 546.8 | 43.75 | 429.0 | 36.00 | 350.5 | 29.00 | 297.9 | 25.25 | 265.2 | 20.75 | 216.0 |
| 400 | 406.4 | 1524 | 248.0 | 1111 | 194.6 | 914 | 159.0 | 737 | 135.1 | 648 | 120.3 | 527 | 98 |
| 18 | 18.000 | 66.0 | 639.2 | 49.25 | 544.4 | 40.25 | 461.3 | 32.50 | 378.1 | 28.75 | 336.5 | 23.35 | 274.1 |
| 450 | 457.2 | 1676 | 290.6 | 1251 | 246.9 | 1029 | 209.2 | 826 | 171.5 | 730 | 152.6 | 593 | 124.3 |
| 20 | 20.000 | 72.0 | 778.6 | 54.75 | 673.5 | 45.00 | 568.8 | 36.00 | 467.8 | 32.00 | 416.3 | 26.00 | 339.2 |
| 500 | 508.0 | 1829 | 353.15 | 1391 | 305.5 | 1143 | 258.0 | 914 | 212.2 | 813 | 188.8 | 660 | 153.9 |
| 24 | 24.000 | 84.0 | 1442.5 | 65.50 | 1297.5 | 53.75 | 1099.6 | 43.25 | 903.5 | 38.25 | 804.5 | 31.00 | 655.1 |
| 600 | 609.6 | 2134 | 654.3 | 1664 | 588.5 | 1365 | 498.8 | 1099 | 409.8 | 972 | 364.9 | 787 | 297.2 |
| 28 | 28.000 | 96.0 | 1897.5 | 70.00 | 1714.5 | 62.00 | 1486.6 | 47.00 | 1150.7 | 45.00 | 1109.3 | 35.00 | 868.6 |
| 700 | 711.2 | 2438 | 860.7 | 1778 | 777.7 | 1575 | 674.3 | 1194 | 522.0 | 1143 | 503.2 | 889 | 394.0 |
| 30 | 30.000 | 102.0 | ~2200.0 | | | | | | | | | | |
| 750 | 762.0 | 2591 | ~997.9 | | | | | | | | | | |

* For 24" - 30": Made by XS (12.7mm) carbon steel pipe to ASTM A53.

MODEL L90-5D WROUGHT 5D 90° ELBOW L60-5D WROUGHT 5D 60° ELBOW L45-5D WROUGHT 5D 45° ELBOW L30-5D WROUGHT 5D 30° ELBOW L22-5D WROUGHT 5D 22½° ELBOW L11-5D WROUGHT 5D 11¼° ELBOW



Models L90-5D / L60-5D / L45-5D / L30-5D / L22-5D / L11-5D Wrought Elbows

| Nominal Pipe Size | Pipe O.D. | L90-5D 90° Elbow | | L60-5D 60° Elbow | | L45-5D 45° Elbow | | L30-5D 30° Elbow | | L22-5D 22½° Elbow | | L11-5D 11¼° Elbow | |
|-------------------------|--------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|----------------------|------------|----------------------|------------|
| | | C-E | Weight | C-E | Weight | C-E | Weight | C-E | Weight | C-E | Weight | C-E | Weight |
| | | in mm | Lbs Kgs | in mm | Lbs Kgs | in mm | Lbs Kgs | in mm | Lbs Kgs | in mm | Lbs Kgs | in mm | Lbs Kgs |
| 2 | 2.375 | 14.00 | 7.2 | 9.75 | 5.6 | 8.25 | 4.8 | 6.75 | 4.0 | 6.00 | 3.6 | 5.00 | 3.0 |
| 50 | 60.3 | 356 | 3.3 | 248 | 2.5 | 210 | 2.2 | 171 | 1.8 | 152 | 1.6 | 127 | 1.4 |
| 2½ | 2.875 | 16.50 | 13.3 | 11.25 | 10.2 | 9.25 | 8.6 | 7.50 | 7.0 | 6.50 | 6.2 | 5.25 | 5.0 |
| 65 | 73.0 | 419 | 6.1 | 286 | 4.6 | 235 | 3.9 | 191 | 3.2 | 165 | 2.8 | 133 | 2.3 |
| 3 | 3.500 | 19.00 | 19.9 | 12.75 | 15.0 | 10.25 | 12.5 | 8.00 | 10.0 | 7.00 | 8.8 | 5.50 | 6.9 |
| 80 | 88.9 | 483 | 9.0 | 324 | 6.8 | 260 | 5.7 | 203 | 4.5 | 178 | 4.0 | 140 | 3.1 |
| 3½ | 4.000 | 21.50 | 26.9 | 12.25 | 20.0 | 11.25 | 16.5 | 8.75 | 13.0 | 7.50 | 11.3 | 5.75 | 8.7 |
| 90 | 101.6 | 546 | 12.2 | 311 | 9.1 | 286 | 7.5 | 222 | 5.9 | 191 | 5.1 | 146 | 3.9 |
| 4 | 4.500 | 24.00 | 35.4 | 15.50 | 26.0 | 12.50 | 21.3 | 9.50 | 16.6 | 8.00 | 14.3 | 6.00 | 10.7 |
| 100 | 114.3 | 610 | 16.1 | 394 | 11.8 | 318 | 9.7 | 241 | 7.5 | 203 | 6.5 | 152 | 4.9 |
| 5 | 5.563 | 30.00 | 59.9 | 19.50 | 44.1 | 15.50 | 36.1 | 11.75 | 28.1 | 10.00 | 24.1 | 7.50 | 18.2 |
| 125 | 141.3 | 762 | 27.2 | 495 | 20.0 | 394 | 16.4 | 298 | 12.7 | 254 | 10.9 | 191 | 8.3 |
| 6 | 6.625 | 36.00 | 93.3 | 23.25 | 68.6 | 18.50 | 56.2 | 14.00 | 43.8 | 12.00 | 37.6 | 9.00 | 28.3 |
| 150 | 168.3 | 914 | 42.4 | 591 | 31.1 | 470 | 25.5 | 356 | 19.9 | 305 | 17.1 | 229 | 12.8 |