



| Size (Inch) | Outside Diameter mm | Elbow LR (R=1,5D) | | | | Elbow SR (R=1D) | | | Tee | | Caps | | Reducers |
|-------------|---------------------|-------------------|---------------|------------------|--------------|-----------------|------------------|--------------|---------------|---------------|----------|----------|------------|
| | | Center to End | Center to End | Center to Center | Back to Face | Center to End | Center to Center | Back to Face | Center to End | Center to End | ≤ SCH XS | > SCH XS | End to End |
| | | A | B | O | K | A | O | K | C | M | E | E 1 | H |
| 1/2 | 21.3 | 38 | 16 | 76 | 48 | | | | 25 | 25 | 25 | 25 | |
| 3/4 | 26.7 | 38 | 19 | 76 | 51 | | | | 29 | 29 | 25 | 25 | 38 |
| 1 | 33.4 | 38 | 22 | 76 | 56 | 25 | 51 | 41 | 38 | 38 | 38 | 38 | 51 |
| 1 1/4 | 42.2 | 48 | 25 | 95 | 70 | 32 | 64 | 52 | 48 | 48 | 38 | 38 | 51 |
| 1 1/2 | 48.3 | 57 | 29 | 114 | 83 | 38 | 76 | 62 | 57 | 57 | 38 | 38 | 64 |
| 2 | 60.3 | 76 | 35 | 152 | 106 | 51 | 102 | 81 | 64 | 64 | 38 | 44 | 76 |
| 2 1/2 | 73.0 | 95 | 44 | 190 | 132 | 64 | 127 | 100 | 76 | 76 | 38 | 51 | 89 |
| 3 | 88.9 | 114 | 51 | 229 | 159 | 76 | 152 | 121 | 86 | 86 | 51 | 64 | 89 |
| 3 1/2 | 101.6 | 133 | 57 | 267 | 184 | 89 | 178 | 140 | 95 | 95 | 64 | 76 | 102 |
| 4 | 114.3 | 152 | 64 | 305 | 210 | 102 | 203 | 159 | 105 | 105 | 64 | 76 | 102 |
| 5 | 141.3 | 190 | 79 | 381 | 262 | 127 | 254 | 197 | 124 | 124 | 76 | 89 | 127 |
| 6 | 168.3 | 229 | 95 | 457 | 313 | 152 | 305 | 237 | 143 | 143 | 89 | 102 | 140 |
| 8 | 219.1 | 305 | 127 | 610 | 414 | 203 | 406 | 313 | 178 | 178 | 102 | 127 | 152 |
| 10 | 273.0 | 381 | 159 | 762 | 518 | 254 | 508 | 391 | 216 | 216 | 127 | 152 | 178 |
| 12 | 323.8 | 457 | 190 | 914 | 619 | 305 | 610 | 467 | 254 | 254 | 152 | 178 | 203 |
| 14 | 355.6 | 533 | 222 | 1067 | 711 | 356 | 711 | 533 | 279 | 279 | 165 | 191 | 330 |
| 16 | 406.4 | 610 | 254 | 1219 | 813 | 406 | 813 | 610 | 305 | 305 | 178 | 203 | 356 |
| 18 | 457.0 | 686 | 286 | 1372 | 914 | 457 | 914 | 686 | 343 | 343 | 203 | 229 | 381 |
| 20 | 508.0 | 762 | 318 | 1524 | 1016 | 508 | 1016 | 762 | 381 | 381 | 229 | 254 | 508 |
| 22 | 559.0 | 838 | 343 | 1676 | 1118 | 559 | 1118 | 838 | 419 | 419 | 254 | 254 | 508 |
| 24 | 610.0 | 914 | 381 | 1829 | 1219 | 610 | 1219 | 914 | 432 | 432 | 267 | 305 | 508 |
| 26 | 660.0 | 991 | 406 | | | | | | 495 | 495 | 267 | | 610 |
| 28 | 711.0 | 1067 | 438 | | | | | | 521 | 521 | 267 | | 610 |
| 30 | 762.0 | 1143 | 470 | | | | | | 559 | 559 | 267 | | 610 |
| 32 | 813.0 | 1219 | 502 | | | | | | 597 | 597 | 267 | | 610 |
| 34 | 864.0 | 1295 | 533 | | | | | | 635 | 635 | 267 | | 610 |
| 36 | 914.0 | 1372 | 565 | | | | | | 673 | 673 | 267 | | 610 |
| 38 | 965.0 | 1448 | 600 | | | | | | 711 | 711 | 305 | | 610 |
| 40 | 1 016.0 | 1524 | 632 | | | | | | 749 | 749 | 305 | | 610 |
| 42 | 1067.0 | 1600 | 660 | | | | | | 762 | 711 | 305 | | 610 |
| 44 | 1 118.0 | 1676 | 695 | | | | | | 813 | 762 | 343 | | 610 |
| 46 | 1 168.0 | 1753 | 727 | | | | | | 851 | 800 | 343 | | 711 |
| 48 | 1 219.0 | 1829 | 759 | | | | | | 889 | 838 | 343 | | 711 |

All Dimensions are in mm acc.to ASME B16.9