

FITTING WEIGHTS

| NOM PIPE SIZE | 45° Elbows | | | |
|---------------|------------|----------|----------|----------|
| | SCH. 5S | SCH. 10S | SCH. 40S | SCH. 80S |
| 1/2 | .06 | .07 | .09 | .12 |
| 3/4 | .06 | .07 | .09 | .12 |
| 1 | .12 | .19 | .25 | .31 |
| 1 1/4 | .19 | .25 | .38 | .50 |
| 1 1/2 | .25 | .38 | .50 | .63 |
| 2 | .31 | .56 | .88 | 1.13 |
| 2 1/2 | .75 | 1.06 | 1.69 | 2.19 |
| 3 | 1.06 | 1.38 | 2.38 | 3.31 |
| 3 1/2 | 1.16 | 1.66 | 3.13 | 4.40 |
| 4 | 1.66 | 2.38 | 4.60 | 6.82 |
| 5 | 3.25 | 4.00 | 7.57 | 10.56 |
| 6 | 5.00 | 6.00 | 12.00 | 18.00 |
| 8 | 8.65 | 11.75 | 23.75 | 36.50 |
| 10 | 16.00 | 21.50 | 42.50 | 57.00 |
| 12 | 25.20 | 30.00 | 65.50 | 87.50 |
| 14 | 34.00 | 40.00 | 75.00 | 103.00 |
| 16 | 50.00 | 52.50 | 101.00 | 134.00 |
| 18 | 62.50 | 66.00 | 131.00 | 175.00 |
| 20 | 82.50 | 110.00 | 165.00 | 219.00 |
| 24 | 140.00 | 155.00 | 323.00 | 308.00 |

| NOM PIPE SIZE | 90° Elbows - Long Radius | | | |
|---------------|--------------------------|----------|----------|----------|
| | SCH. 5S | SCH. 10S | SCH. 40S | SCH. 80S |
| 1/2 | .12 | .14 | .18 | .23 |
| 3/4 | .13 | .15 | .19 | .25 |
| 1 | .19 | .30 | .35 | .48 |
| 1 1/4 | .31 | .50 | .56 | .88 |
| 1 1/2 | .38 | .69 | .88 | 1.13 |
| 2 | .64 | 1.13 | 1.56 | 2.00 |
| 2 1/2 | 1.50 | 1.88 | 3.00 | 4.00 |
| 3 | 2.00 | 2.69 | 4.81 | 6.56 |
| 3 1/2 | 2.62 | 3.75 | 6.25 | 8.80 |
| 4 | 3.31 | 4.75 | 9.19 | 13.63 |
| 5 | 6.50 | 8.00 | 15.13 | 21.13 |
| 6 | 10.00 | 12.00 | 24.00 | 36.00 |
| 8 | 17.30 | 23.50 | 47.50 | 73.00 |
| 10 | 32.00 | 43.00 | 85.00 | 114.00 |
| 12 | 51.00 | 60.00 | 131.00 | 175.00 |
| 14 | 68.00 | 80.00 | 155.00 | 206.00 |
| 16 | 100.00 | 105.00 | 202.00 | 269.00 |
| 18 | 125.00 | 132.00 | 269.00 | 350.00 |
| 20 | 165.00 | 220.00 | 330.00 | 439.00 |
| 24 | 280.00 | 310.00 | 464.00 | 617.00 |

| NOM PIPE SIZE | 90° Elbows - Short Radius | | | |
|---------------|---------------------------|----------|----------|----------|
| | SCH. 5S | SCH. 10S | SCH. 40S | SCH. 80S |
| 1/2 | - | - | - | - |
| 3/4 | - | - | - | .25 |
| 1 | .17 | .23 | .26 | .38 |
| 1 1/4 | .31 | .38 | .45 | .63 |
| 1 1/2 | .43 | .49 | .63 | .88 |
| 2 | .63 | .81 | 1.13 | 1.55 |
| 2 1/2 | 1.25 | 1.35 | 2.25 | 2.88 |
| 3 | 1.75 | 2.17 | 3.31 | 4.20 |
| 3 1/2 | 2.35 | 3.05 | 4.54 | 5.35 |
| 4 | 3.12 | 3.79 | 6.88 | 9.06 |
| 5 | 4.94 | 6.12 | 11.63 | 16.10 |
| 6 | 7.75 | 9.15 | 17.50 | 26.00 |
| 8 | 15.44 | 17.63 | 37.60 | 54.80 |
| 10 | 27.40 | 35.00 | 63.00 | 99.80 |
| 12 | 35.00 | 40.00 | 80.00 | 125.00 |
| 14 | 44.00 | 52.00 | 101.00 | 135.00 |
| 16 | 65.00 | 68.00 | 131.00 | 175.00 |
| 18 | 81.00 | 86.00 | 175.00 | 228.00 |
| 20 | 107.00 | 143.00 | 215.00 | 285.00 |
| 24 | 182.00 | 202.00 | 302.00 | 401.00 |

| NOM PIPE SIZE | 180° Returns - Long Radius | | | |
|---------------|----------------------------|----------|----------|----------|
| | SCH. 5S | SCH. 10S | SCH. 40S | SCH. 80S |
| 1/2 | .21 | .26 | .34 | .43 |
| 3/4 | .30 | .41 | .50 | .69 |
| 1 | .53 | .75 | .76 | 1.38 |
| 1 1/4 | 1.00 | 1.26 | 1.66 | 2.50 |
| | | | | |

| NOM PIPE SIZE | 180° Returns - Short Radius | | | |
|---------------|-----------------------------|----------|----------|----------|
| | SCH. 5S | SCH. 10S | SCH. 40S | SCH. 80S |
| 1/2 | - | - | - | - |
| 3/4 | - | - | - | - |
| 1 | .32 | .36 | .46 | .59 |
| 1 1/4 | .44 | .60 | .78 | 1.03 |
| | | | | |

| | | | | |
|-------|--------|--------|--------|----------|
| 1 1/2 | 1.28 | 1.75 | 2.33 | 3.00 |
| 2 | 2.10 | 3.13 | 4.38 | 6.21 |
| 2 1/2 | 3.58 | 5.88 | 7.75 | 9.70 |
| 3 | 5.20 | 9.81 | 12.83 | 17.18 |
| 3 1/2 | 6.55 | 10.50 | 15.60 | 22.00 |
| 4 | 12.00 | 13.60 | 24.50 | 34.30 |
| 5 | 13.00 | 16.00 | 31.00 | 43.00 |
| 6 | 20.00 | 24.00 | 48.00 | 72.00 |
| 8 | 35.00 | 47.00 | 95.00 | 146.00 |
| 10 | 64.00 | 86.00 | 170.00 | 228.00 |
| 12 | 102.00 | 120.00 | 262.00 | 350.00 |
| 14 | 130.00 | 156.00 | 325.00 | 400.00 |
| 16 | 179.00 | 204.00 | 412.00 | 550.00 |
| 18 | 228.00 | 258.00 | 510.00 | 690.00 |
| 20 | 320.00 | 370.00 | 640.00 | 830.00 |
| 24 | 520.00 | 612.00 | 890.00 | 1,200.00 |

| | | | | |
|-------|--------|--------|--------|--------|
| 1 1/2 | .60 | .84 | 1.12 | 1.50 |
| 2 | .92 | 1.40 | 2.00 | 2.76 |
| 2 1/2 | 1.86 | 2.40 | 3.96 | 5.28 |
| 3 | 2.44 | 3.40 | 6.24 | 8.44 |
| 3 1/2 | 3.24 | 4.60 | 8.76 | 12.10 |
| 4 | 4.20 | 6.00 | 11.90 | 16.50 |
| 5 | 8.40 | 10.40 | 20.20 | 28.60 |
| 6 | 12.60 | 16.40 | 31.20 | 47.00 |
| 8 | 21.00 | 28.40 | 63.00 | 95.00 |
| 10 | 40.00 | 50.00 | 111.00 | 150.00 |
| 12 | 68.00 | 78.00 | 164.00 | 216.00 |
| 14 | 86.00 | 104.00 | 210.00 | 278.00 |
| 16 | 120.00 | 136.00 | 276.00 | 364.00 |
| 18 | 154.00 | 176.00 | 350.00 | 462.00 |
| 20 | 212.00 | 244.00 | 430.00 | 572.00 |
| 24 | 356.00 | 406.00 | 626.00 | 830.00 |

*APPROXIMATE WEIGHTS LISTED DO NOT TAKE INTO ACCOUNT VARIATIONS DEPENDING ON OUTLET SIZE.

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