

Pipe Engineering Data Sheet

| Nom. Size (in) | DR / Pipe Stiffness | O. D. Series | Material | O.D. (in) ² | Min. Wall (in) ² | Avg. I.D. (in) | Wt (lbs/ft) ⁵ | Safe Pulling Force (lbs) ⁴ | Max. working Pressure (psig) ⁶ | Critical Buckling Pressure (psig) ⁷ | Min. Allowable Bend Radius (ft) ⁸ |
|----------------|---------------------|--------------|----------------|------------------------|-----------------------------|----------------|--------------------------|---------------------------------------|---|--|--|
| 4 | DR 14 | DIPS | Fusible C-900® | 4.80 | 0.34 | 4.07 | 3.11 | 13,400 | 305 | 426 | 100 |
| 4 | DR 18 | DIPS | Fusible C-900® | 4.80 | 0.27 | 4.23 | 2.46 | 10,600 | 235 | 191 | 100 |
| 4 | DR 7.3 | IPS | HDPE | 4.50 | 0.62 | 3.19 | 3.27 | 8,600 | 255 | 280 | 38 |
| 4 | DR 9 | IPS | HDPE | 4.50 | 0.50 | 3.44 | 2.74 | 7,200 | 200 | 137 | 38 |
| 4 | DR 11 | IPS | HDPE | 4.50 | 0.41 | 3.63 | 2.29 | 6,000 | 160 | 70 | 38 |
| 4 | DR 13.5 | IPS | HDPE | 4.50 | 0.33 | 3.79 | 1.90 | 5,000 | 130 | 36 | 38 |
| 4 | DR 17 | IPS | HDPE | 4.50 | 0.27 | 3.94 | 1.54 | 4,100 | 100 | 17 | 38 |
| 4 | DR 21 | IPS | HDPE | 4.50 | 0.21 | 4.05 | 1.26 | 3,300 | 80 | 9 | 38 |
| 4 | DR 26 | IPS | HDPE | 4.50 | 0.17 | 4.13 | 1.03 | 2,700 | 65 | 4 | 38 |
| 4 | DR 32.5 | IPS | HDPE | 4.50 | 0.14 | 4.21 | 0.83 | 2,200 | 50 | 2 | 38 |
| 4 | DR 7.3 | DIPS | HDPE | 4.80 | 0.66 | 3.41 | 3.72 | 9,800 | 255 | 262 | 40 |
| 4 | DR 9 | DIPS | HDPE | 4.80 | 0.53 | 3.67 | 3.11 | 8,200 | 200 | 128 | 40 |
| 4 | DR 11 | DIPS | HDPE | 4.80 | 0.44 | 3.88 | 2.61 | 6,900 | 160 | 65 | 40 |
| 4 | DR 13.5 | DIPS | HDPE | 4.80 | 0.36 | 4.05 | 2.17 | 5,700 | 130 | 34 | 40 |
| 4 | DR 17 | DIPS | HDPE | 4.80 | 0.28 | 4.20 | 1.75 | 4,600 | 100 | 16 | 40 |
| 4 | DR 21 | DIPS | HDPE | 4.80 | 0.23 | 4.31 | 1.44 | 3,800 | 80 | 8 | 40 |
| 4 | DR 26 | DIPS | HDPE | 4.80 | 0.19 | 4.41 | 1.17 | 3,100 | 65 | 4 | 40 |
| 6 | SDR 17 | IPS | FPVC® | 6.63 | 0.39 | 5.80 | 4.95 | 21,300 | 250 | 229 | 138 |
| 6 | SDR 21 | IPS | FPVC® | 6.63 | 0.32 | 5.96 | 4.06 | 17,500 | 200 | 117 | 138 |
| 6 | SDR 26 | IPS | FPVC® | 6.63 | 0.26 | 6.08 | 3.31 | 14,200 | 160 | 60 | 138 |
| 6 | Sch 40 | IPS | FPVC® | 6.63 | 0.28 | 6.03 | 3.62 | 15,600 | 180 | 80 | 138 |
| 6 | Sch 80 | IPS | FPVC® | 6.63 | 0.43 | 5.71 | 5.44 | 23,500 | 280 | 317 | 138 |
| 6 | DR 14 | DIPS | Fusible C-900® | 6.90 | 0.49 | 5.85 | 6.42 | 27,700 | 305 | 426 | 144 |
| 6 | DR 18 | DIPS | Fusible C-900® | 6.90 | 0.38 | 6.09 | 5.08 | 21,900 | 235 | 190 | 144 |
| 6 | DR 25 | DIPS | Fusible C-900® | 6.90 | 0.28 | 6.31 | 3.73 | 16,000 | 165 | 68 | 144 |
| 6 | DR 7.3 | IPS | HDPE | 6.63 | 0.91 | 4.70 | 7.09 | 18,800 | 255 | 281 | 55 |
| 6 | DR 9 | IPS | HDPE | 6.63 | 0.74 | 5.06 | 5.93 | 15,700 | 200 | 137 | 55 |
| 6 | DR 11 | IPS | HDPE | 6.63 | 0.60 | 5.35 | 4.97 | 13,100 | 160 | 70 | 55 |
| 6 | DR 13.5 | IPS | HDPE | 6.63 | 0.49 | 5.58 | 4.13 | 10,900 | 130 | 36 | 55 |
| 6 | DR 17 | IPS | HDPE | 6.63 | 0.39 | 5.80 | 3.34 | 8,800 | 100 | 17 | 55 |
| 6 | DR 21 | IPS | HDPE | 6.63 | 0.32 | 5.96 | 2.73 | 7,200 | 80 | 9 | 55 |
| 6 | DR 26 | IPS | HDPE | 6.63 | 0.26 | 6.08 | 2.23 | 5,900 | 65 | 5 | 55 |
| 6 | DR 32.5 | IPS | HDPE | 6.63 | 0.20 | 6.19 | 1.80 | 4,700 | 50 | 2 | 55 |
| 6 | DR 7.3 | DIPS | HDPE | 6.90 | 0.95 | 4.90 | 7.68 | 20,300 | 255 | 281 | 58 |
| 6 | DR 9 | DIPS | HDPE | 6.90 | 0.77 | 5.27 | 6.44 | 17,000 | 200 | 137 | 58 |
| 6 | DR 11 | DIPS | HDPE | 6.90 | 0.63 | 5.57 | 5.39 | 14,200 | 160 | 70 | 58 |
| 6 | DR 13.5 | DIPS | HDPE | 6.90 | 0.51 | 5.82 | 4.48 | 11,800 | 130 | 36 | 58 |
| 6 | DR 17 | DIPS | HDPE | 6.90 | 0.41 | 6.04 | 3.62 | 9,500 | 100 | 17 | 58 |
| 6 | DR 21 | DIPS | HDPE | 6.90 | 0.33 | 6.20 | 2.97 | 7,800 | 80 | 9 | 58 |
| 6 | DR 26 | DIPS | HDPE | 6.90 | 0.27 | 6.34 | 2.42 | 6,400 | 65 | 4 | 58 |
| 6 | DR 32.5 | DIPS | HDPE | 6.90 | 0.21 | 6.45 | 1.95 | 5,100 | 50 | 2 | 58 |
| 7 | DR 11 | IPS | HDPE | 7.13 | 0.65 | 5.75 | 5.75 | 15,200 | 160 | 70 | 59 |
| 7 | DR 17 | IPS | HDPE | 7.13 | 0.42 | 6.24 | 3.86 | 10,200 | 100 | 17 | 59 |
| 7 | DR 21 | IPS | HDPE | 7.13 | 0.34 | 6.41 | 3.16 | 8,300 | 80 | 9 | 59 |
| 7 | DR 26 | IPS | HDPE | 7.13 | 0.27 | 6.54 | 2.58 | 6,800 | 65 | 4 | 59 |
| 7 | DR 32.5 | IPS | HDPE | 7.13 | 0.22 | 6.66 | 2.08 | 5,500 | 50 | 2 | 59 |
| 8 | SDR 17 | IPS | FPVC® | 8.63 | 0.51 | 7.55 | 8.39 | 36,200 | 250 | 229 | 180 |
| 8 | SDR 21 | IPS | FPVC® | 8.63 | 0.41 | 7.76 | 6.86 | 29,600 | 200 | 116 | 180 |
| 8 | SDR 26 | IPS | FPVC® | 8.63 | 0.33 | 7.92 | 5.61 | 24,200 | 160 | 60 | 180 |
| 8 | Sch 40 | IPS | FPVC® | 8.63 | 0.32 | 7.94 | 5.45 | 23,500 | 160 | 55 | 180 |
| 8 | Sch 80 | IPS | FPVC® | 8.63 | 0.50 | 7.57 | 8.27 | 35,700 | 250 | 218 | 180 |
| 8 | DR 14 | DIPS | Fusible C-900® | 9.05 | 0.65 | 7.68 | 11.04 | 47,700 | 305 | 425 | 189 |
| 8 | DR 18 | DIPS | Fusible C-900® | 9.05 | 0.50 | 7.98 | 8.75 | 37,800 | 235 | 191 | 189 |
| 8 | DR 25 | DIPS | Fusible C-900® | 9.05 | 0.36 | 8.28 | 6.41 | 27,600 | 165 | 68 | 189 |
| 8 | DR 7.3 | IPS | HDPE | 8.63 | 1.18 | 6.12 | 12.01 | 31,800 | 255 | 281 | 72 |
| 8 | DR 9 | IPS | HDPE | 8.63 | 0.96 | 6.59 | 10.05 | 26,500 | 200 | 137 | 72 |
| 8 | DR 11 | IPS | HDPE | 8.63 | 0.78 | 6.96 | 8.42 | 22,200 | 160 | 70 | 72 |

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| Nom. Size (in) | DR / Pipe Stiffness | O. D. Series | Material | O.D. (in) ² | Min. Wall (in) ² | Avg. I.D. (in) | Wt (lbs/ft) ⁵ | Safe Pulling Force (lbs) ⁴ | Max. working Pressure (psig) ⁶ | Critical Buckling Pressure (psig) ⁷ | Min. Allowable Bend Radius (ft) ⁸ |
|----------------|---------------------|--------------|----------------|------------------------|-----------------------------|----------------|--------------------------|---------------------------------------|---|--|--|
| 8 | DR 13.5 | IPS | HDPE | 8.63 | 0.64 | 7.27 | 7.00 | 18,400 | 130 | 36 | 72 |
| 8 | DR 17 | IPS | HDPE | 8.63 | 0.51 | 7.55 | 5.65 | 14,900 | 100 | 17 | 72 |
| 8 | DR 21 | IPS | HDPE | 8.63 | 0.41 | 7.75 | 4.64 | 12,200 | 80 | 9 | 72 |
| 8 | DR 26 | IPS | HDPE | 8.63 | 0.33 | 7.92 | 3.79 | 9,900 | 65 | 5 | 72 |
| 8 | DR 32.5 | IPS | HDPE | 8.63 | 0.27 | 8.06 | 3.05 | 8,000 | 50 | 2 | 72 |
| 8 | DR 7.3 | DIPS | HDPE | 9.05 | 1.24 | 6.42 | 13.22 | 35,000 | 255 | 281 | 75 |
| 8 | DR 9 | DIPS | HDPE | 9.05 | 1.01 | 6.92 | 11.07 | 29,200 | 200 | 137 | 75 |
| 8 | DR 11 | DIPS | HDPE | 9.05 | 0.82 | 7.31 | 9.28 | 24,500 | 160 | 70 | 75 |
| 8 | DR 13.5 | DIPS | HDPE | 9.05 | 0.67 | 7.63 | 7.70 | 20,300 | 130 | 36 | 75 |
| 8 | DR 17 | DIPS | HDPE | 9.05 | 0.53 | 7.92 | 6.22 | 16,400 | 100 | 17 | 75 |
| 8 | DR 21 | DIPS | HDPE | 9.05 | 0.43 | 8.14 | 5.11 | 13,400 | 80 | 9 | 75 |
| 8 | DR 26 | DIPS | HDPE | 9.05 | 0.35 | 8.31 | 4.17 | 10,900 | 65 | 4 | 75 |
| 8 | DR 32.5 | DIPS | HDPE | 9.05 | 0.28 | 8.46 | 3.36 | 8,800 | 50 | 2 | 75 |
| 10 | SDR 21 | IPS | FPVC® | 10.75 | 0.51 | 9.67 | 10.65 | 46,000 | 200 | 116 | 224 |
| 10 | SDR 26 | IPS | FPVC® | 10.75 | 0.41 | 9.87 | 8.71 | 37,500 | 160 | 60 | 224 |
| 10 | Sch 80 | IPS | FPVC® | 10.75 | 0.59 | 9.49 | 12.26 | 52,900 | 230 | 186 | 224 |
| 10 | DR 14 | DIPS | Fusible C-900® | 11.10 | 0.79 | 9.42 | 16.62 | 71,800 | 305 | 426 | 231 |
| 10 | DR 18 | DIPS | Fusible C-900® | 11.10 | 0.62 | 9.79 | 13.17 | 56,800 | 235 | 191 | 231 |
| 10 | DR 25 | DIPS | Fusible C-900® | 11.10 | 0.44 | 10.16 | 9.64 | 41,600 | 165 | 68 | 231 |
| 10 | DR 7.3 | IPS | HDPE | 10.75 | 1.47 | 7.63 | 18.66 | 49,400 | 255 | 281 | 90 |
| 10 | DR 9 | IPS | HDPE | 10.75 | 1.19 | 8.22 | 15.61 | 41,200 | 200 | 137 | 90 |
| 10 | DR 11 | IPS | HDPE | 10.75 | 0.98 | 8.68 | 13.09 | 34,500 | 160 | 70 | 90 |
| 10 | DR 13.5 | IPS | HDPE | 10.75 | 0.80 | 9.06 | 10.87 | 28,600 | 130 | 36 | 90 |
| 10 | DR 17 | IPS | HDPE | 10.75 | 0.63 | 9.41 | 8.78 | 23,100 | 100 | 17 | 90 |
| 10 | DR 21 | IPS | HDPE | 10.75 | 0.51 | 9.66 | 7.21 | 18,900 | 80 | 9 | 90 |
| 10 | DR 26 | IPS | HDPE | 10.75 | 0.41 | 9.87 | 5.87 | 15,400 | 65 | 4 | 90 |
| 10 | DR 32.5 | IPS | HDPE | 10.75 | 0.33 | 10.05 | 4.75 | 12,500 | 50 | 2 | 90 |
| 10 | DR 7.3 | DIPS | HDPE | 11.10 | 1.52 | 7.88 | 19.90 | 52,600 | 255 | 281 | 93 |
| 10 | DR 9 | DIPS | HDPE | 11.10 | 1.23 | 8.49 | 16.65 | 44,000 | 200 | 137 | 93 |
| 10 | DR 11 | DIPS | HDPE | 11.10 | 1.01 | 8.96 | 13.95 | 36,800 | 160 | 70 | 93 |
| 10 | DR 13.5 | DIPS | HDPE | 11.10 | 0.82 | 9.36 | 11.59 | 30,500 | 130 | 36 | 93 |
| 10 | DR 17 | DIPS | HDPE | 11.10 | 0.65 | 9.72 | 9.37 | 24,600 | 100 | 17 | 93 |
| 10 | DR 21 | DIPS | HDPE | 11.10 | 0.53 | 9.98 | 7.69 | 20,200 | 80 | 9 | 93 |
| 10 | DR 26 | DIPS | HDPE | 11.10 | 0.43 | 10.19 | 6.27 | 16,500 | 65 | 4 | 93 |
| 10 | DR 32.5 | DIPS | HDPE | 11.10 | 0.34 | 10.37 | 5.06 | 13,300 | 50 | 2 | 93 |
| 12 | SDR 17 | IPS | FPVC® | 12.75 | 0.75 | 11.16 | 18.64 | 79,100 | 250 | 228 | 266 |
| 12 | SDR 21 | IPS | FPVC® | 12.75 | 0.61 | 11.47 | 14.99 | 64,700 | 200 | 116 | 266 |
| 12 | SDR 26 | IPS | FPVC® | 12.75 | 0.49 | 11.71 | 12.25 | 52,800 | 160 | 60 | 266 |
| 12 | Sch 80 | IPS | FPVC® | 12.75 | 0.69 | 11.29 | 16.87 | 72,800 | 230 | 173 | 266 |
| 12 | DR 14 | DIPS | Fusible C-900® | 13.20 | 0.94 | 11.20 | 23.50 | 101,600 | 305 | 426 | 275 |
| 12 | DR 18 | DIPS | Fusible C-900® | 13.20 | 0.73 | 11.65 | 18.60 | 80,300 | 235 | 190 | 275 |
| 12 | DR 25 | DIPS | Fusible C-900® | 13.20 | 0.53 | 12.08 | 13.63 | 58,800 | 165 | 68 | 275 |
| 12 | DR 7.3 | IPS | HDPE | 12.75 | 1.75 | 9.05 | 26.25 | 69,400 | 255 | 281 | 106 |
| 12 | DR 9 | IPS | HDPE | 12.75 | 1.42 | 9.75 | 21.97 | 58,000 | 200 | 137 | 106 |
| 12 | DR 11 | IPS | HDPE | 12.75 | 1.16 | 10.29 | 18.41 | 48,500 | 160 | 70 | 106 |
| 12 | DR 13.5 | IPS | HDPE | 12.75 | 0.94 | 10.75 | 15.29 | 40,300 | 130 | 36 | 106 |
| 12 | DR 17 | IPS | HDPE | 12.75 | 0.75 | 11.16 | 12.36 | 32,500 | 100 | 17 | 106 |
| 12 | DR 21 | IPS | HDPE | 12.75 | 0.61 | 11.46 | 10.13 | 26,600 | 80 | 9 | 106 |
| 12 | DR 26 | IPS | HDPE | 12.75 | 0.49 | 11.71 | 8.26 | 21,700 | 65 | 4 | 106 |
| 12 | DR 32.5 | IPS | HDPE | 12.75 | 0.39 | 11.92 | 6.67 | 17,500 | 50 | 2 | 106 |
| 12 | DR 7.3 | DIPS | HDPE | 13.20 | 1.81 | 9.37 | 28.13 | 74,400 | 255 | 281 | 110 |
| 12 | DR 9 | DIPS | HDPE | 13.20 | 1.47 | 10.09 | 23.55 | 62,200 | 200 | 137 | 110 |
| 12 | DR 11 | DIPS | HDPE | 13.20 | 1.20 | 10.66 | 19.73 | 52,000 | 160 | 70 | 110 |
| 12 | DR 13.5 | DIPS | HDPE | 13.20 | 0.98 | 11.13 | 16.40 | 43,200 | 130 | 36 | 110 |
| 12 | DR 17 | DIPS | HDPE | 13.20 | 0.78 | 11.55 | 13.24 | 34,800 | 100 | 17 | 110 |
| 12 | DR 21 | DIPS | HDPE | 13.20 | 0.63 | 11.87 | 10.87 | 28,600 | 80 | 9 | 110 |
| 12 | DR 26 | DIPS | HDPE | 13.20 | 0.51 | 12.12 | 8.87 | 23,300 | 65 | 5 | 110 |

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| Nom. Size (in) | DR / Pipe Stiffness | O. D. Series | Material | O.D. (in) ² | Min. Wall (in) ² | Avg. I.D. (in) | Wt (lbs/ft) ⁵ | Safe Pulling Force (lbs) ⁴ | Max. working Pressure (psig) ⁶ | Critical Buckling Pressure (psig) ⁷ | Min. Allowable Bend Radius (ft) ⁸ |
|----------------|---------------------|--------------|----------------|------------------------|-----------------------------|----------------|--------------------------|---------------------------------------|---|--|--|
| 12 | DR 32.5 | DIPS | HDPE | 13.20 | 0.41 | 12.34 | 7.15 | 18,800 | 50 | 2 | 110 |
| 14 | DR 14 | DIPS | Fusible C-905® | 15.30 | 1.09 | 12.98 | 31.57 | 136,500 | 305 | 426 | 319 |
| 14 | DR 18 | DIPS | Fusible C-905® | 15.30 | 0.85 | 13.50 | 25.00 | 108,000 | 235 | 190 | 319 |
| 14 | DR 21 | DIPS | Fusible C-905® | 15.30 | 0.73 | 13.75 | 21.64 | 93,400 | 200 | 117 | 319 |
| 14 | DR 25 | DIPS | Fusible C-905® | 15.30 | 0.61 | 14.00 | 18.31 | 79,000 | 165 | 68 | 319 |
| 14 | DR 7.3 | IPS | HDPE | 14.00 | 1.92 | 9.93 | 31.64 | 83,700 | 255 | 281 | 117 |
| 14 | DR 9 | IPS | HDPE | 14.00 | 1.56 | 10.70 | 26.50 | 70,000 | 200 | 137 | 117 |
| 14 | DR 11 | IPS | HDPE | 14.00 | 1.27 | 11.30 | 22.20 | 58,500 | 160 | 70 | 117 |
| 14 | DR 13.5 | IPS | HDPE | 14.00 | 1.04 | 11.80 | 18.44 | 48,600 | 130 | 36 | 117 |
| 14 | DR 17 | IPS | HDPE | 14.00 | 0.82 | 12.25 | 14.91 | 39,200 | 100 | 17 | 117 |
| 14 | DR 21 | IPS | HDPE | 14.00 | 0.67 | 12.59 | 12.22 | 32,100 | 80 | 9 | 117 |
| 14 | DR 26 | IPS | HDPE | 14.00 | 0.54 | 12.86 | 9.96 | 26,200 | 65 | 4 | 117 |
| 14 | DR 32.5 | IPS | HDPE | 14.00 | 0.43 | 13.09 | 8.05 | 21,100 | 50 | 2 | 117 |
| 14 | DR 7.3 | DIPS | HDPE | 15.30 | 2.10 | 10.86 | 37.79 | 100,000 | 255 | 281 | 128 |
| 14 | DR 9 | DIPS | HDPE | 15.30 | 1.70 | 11.70 | 31.64 | 83,500 | 200 | 137 | 128 |
| 14 | DR 11 | DIPS | HDPE | 15.30 | 1.39 | 12.35 | 26.51 | 69,900 | 160 | 70 | 128 |
| 14 | DR 13.5 | DIPS | HDPE | 15.30 | 1.13 | 12.90 | 22.02 | 58,000 | 130 | 36 | 128 |
| 14 | DR 17 | DIPS | HDPE | 15.30 | 0.90 | 13.39 | 17.80 | 46,800 | 100 | 17 | 128 |
| 14 | DR 21 | DIPS | HDPE | 15.30 | 0.73 | 13.75 | 14.60 | 38,400 | 80 | 9 | 128 |
| 14 | DR 26 | DIPS | HDPE | 15.30 | 0.59 | 14.05 | 11.90 | 31,300 | 65 | 4 | 128 |
| 14 | DR 32.5 | DIPS | HDPE | 15.30 | 0.47 | 14.30 | 9.61 | 25,200 | 50 | 2 | 128 |
| 16 | DR 14 | DIPS | Fusible C-905® | 17.40 | 1.24 | 14.76 | 41.47 | 176,600 | 305 | 426 | 363 |
| 16 | DR 18 | DIPS | Fusible C-905® | 17.40 | 0.97 | 15.35 | 32.35 | 139,700 | 235 | 191 | 363 |
| 16 | DR 21 | DIPS | Fusible C-905® | 17.40 | 0.83 | 15.64 | 27.99 | 120,800 | 200 | 117 | 363 |
| 16 | DR 25 | DIPS | Fusible C-905® | 17.40 | 0.70 | 15.92 | 23.70 | 102,200 | 165 | 68 | 363 |
| 16 | DR 7.3 | IPS | HDPE | 16.00 | 2.19 | 11.35 | 41.33 | 109,400 | 255 | 281 | 133 |
| 16 | DR 9 | IPS | HDPE | 16.00 | 1.78 | 12.23 | 34.60 | 91,400 | 200 | 137 | 133 |
| 16 | DR 11 | IPS | HDPE | 16.00 | 1.46 | 12.92 | 29.00 | 76,500 | 160 | 70 | 133 |
| 16 | DR 13.5 | IPS | HDPE | 16.00 | 1.19 | 13.49 | 24.09 | 63,400 | 130 | 36 | 133 |
| 16 | DR 17 | IPS | HDPE | 16.00 | 0.94 | 14.01 | 19.46 | 51,200 | 100 | 17 | 133 |
| 16 | DR 21 | IPS | HDPE | 16.00 | 0.76 | 14.38 | 15.96 | 41,900 | 80 | 9 | 133 |
| 16 | DR 26 | IPS | HDPE | 16.00 | 0.62 | 14.70 | 13.01 | 34,200 | 65 | 4 | 133 |
| 16 | DR 32.5 | IPS | HDPE | 16.00 | 0.49 | 14.96 | 10.50 | 27,600 | 50 | 2 | 133 |
| 16 | DR 7.3 | DIPS | HDPE | 17.40 | 2.38 | 12.35 | 48.89 | 129,300 | 255 | 281 | 145 |
| 16 | DR 9 | DIPS | HDPE | 17.40 | 1.93 | 13.30 | 40.91 | 108,000 | 200 | 137 | 145 |
| 16 | DR 11 | DIPS | HDPE | 17.40 | 1.58 | 14.05 | 34.29 | 90,400 | 160 | 70 | 145 |
| 16 | DR 13.5 | DIPS | HDPE | 17.40 | 1.29 | 14.67 | 28.49 | 75,000 | 130 | 36 | 145 |
| 16 | DR 17 | DIPS | HDPE | 17.40 | 1.02 | 15.23 | 23.03 | 60,600 | 100 | 17 | 145 |
| 16 | DR 21 | DIPS | HDPE | 17.40 | 0.83 | 15.64 | 18.88 | 49,600 | 80 | 9 | 145 |
| 16 | DR 26 | DIPS | HDPE | 17.40 | 0.67 | 15.98 | 15.39 | 40,400 | 65 | 4 | 145 |
| 16 | DR 32.5 | DIPS | HDPE | 17.40 | 0.54 | 16.27 | 12.42 | 32,600 | 50 | 2 | 145 |
| 18 | DR 18 | DIPS | Fusible C-905® | 19.50 | 1.08 | 17.20 | 40.60 | 175,400 | 235 | 190 | 406 |
| 18 | DR 21 | DIPS | Fusible C-905® | 19.50 | 0.93 | 17.53 | 35.13 | 151,700 | 200 | 117 | 406 |
| 18 | DR 25 | DIPS | Fusible C-905® | 19.50 | 0.78 | 17.85 | 29.76 | 128,400 | 165 | 68 | 406 |
| 18 | DR 7.3 | IPS | HDPE | 18.00 | 2.47 | 12.77 | 52.31 | 138,400 | 255 | 281 | 150 |
| 18 | DR 9 | IPS | HDPE | 18.00 | 2.00 | 13.76 | 43.79 | 115,600 | 200 | 137 | 150 |
| 18 | DR 11 | IPS | HDPE | 18.00 | 1.64 | 14.53 | 36.69 | 96,700 | 160 | 70 | 150 |
| 18 | DR 13.5 | IPS | HDPE | 18.00 | 1.33 | 15.17 | 30.48 | 80,300 | 130 | 36 | 150 |
| 18 | DR 17 | IPS | HDPE | 18.00 | 1.06 | 15.75 | 24.64 | 64,800 | 100 | 17 | 150 |
| 18 | DR 21 | IPS | HDPE | 18.00 | 0.86 | 16.18 | 20.19 | 53,100 | 80 | 9 | 150 |
| 18 | DR 26 | IPS | HDPE | 18.00 | 0.69 | 16.53 | 16.47 | 43,300 | 65 | 4 | 150 |
| 18 | DR 32.5 | IPS | HDPE | 18.00 | 0.55 | 16.83 | 13.30 | 34,900 | 50 | 2 | 150 |
| 18 | DR 7.3 | DIPS | HDPE | 19.50 | 2.67 | 13.84 | 61.38 | 162,400 | 255 | 281 | 163 |
| 18 | DR 9 | DIPS | HDPE | 19.50 | 2.17 | 14.91 | 51.40 | 135,700 | 200 | 137 | 163 |
| 18 | DR 11 | DIPS | HDPE | 19.50 | 1.77 | 15.74 | 43.07 | 113,600 | 160 | 70 | 163 |
| 18 | DR 13.5 | DIPS | HDPE | 19.50 | 1.44 | 16.44 | 35.77 | 94,200 | 130 | 36 | 163 |
| 18 | DR 17 | DIPS | HDPE | 19.50 | 1.15 | 17.07 | 28.91 | 76,100 | 100 | 17 | 163 |

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| Nom. Size (in) | DR / Pipe Stiffness | O. D. Series | Material | O.D. (in) ² | Min. Wall (in) ² | Avg. I.D. (in) | Wt (lbs/ft) ⁵ | Safe Pulling Force (lbs) ⁴ | Max. working Pressure (psig) ⁶ | Critical Buckling Pressure (psig) ⁷ | Min. Allowable Bend Radius (ft) ⁸ |
|----------------|---------------------|--------------|----------------|------------------------|-----------------------------|----------------|--------------------------|---------------------------------------|---|--|--|
| 18 | DR 21 | DIPS | HDPE | 19.50 | 0.93 | 17.53 | 23.71 | 62,300 | 80 | 9 | 163 |
| 18 | DR 26 | DIPS | HDPE | 19.50 | 0.75 | 17.91 | 19.34 | 50,800 | 65 | 4 | 163 |
| 18 | DR 32.5 | DIPS | HDPE | 19.50 | 0.60 | 18.23 | 15.60 | 41,000 | 50 | 2 | 163 |
| 20 | DR 18 | DIPS | Fusible C-905® | 21.60 | 1.20 | 19.06 | 49.83 | 215,300 | 235 | 190 | 450 |
| 20 | DR 21 | DIPS | Fusible C-905® | 21.60 | 1.03 | 19.42 | 43.10 | 186,100 | 200 | 117 | 450 |
| 20 | DR 25 | DIPS | Fusible C-905® | 21.60 | 0.86 | 19.77 | 36.51 | 157,500 | 165 | 68 | 450 |
| 20 | DR 7.3 | IPS | HDPE | 20.00 | 2.74 | 14.19 | 64.58 | 170,900 | 255 | 281 | 167 |
| 20 | DR 9 | IPS | HDPE | 20.00 | 2.22 | 15.29 | 54.05 | 142,700 | 200 | 137 | 167 |
| 20 | DR 11 | IPS | HDPE | 20.00 | 1.82 | 16.15 | 45.30 | 119,400 | 160 | 70 | 167 |
| 20 | DR 13.5 | IPS | HDPE | 20.00 | 1.48 | 16.86 | 37.63 | 99,100 | 130 | 36 | 167 |
| 20 | DR 17 | IPS | HDPE | 20.00 | 1.18 | 17.51 | 30.41 | 80,000 | 100 | 17 | 167 |
| 20 | DR 21 | IPS | HDPE | 20.00 | 0.95 | 17.98 | 24.93 | 65,500 | 80 | 9 | 167 |
| 20 | DR 26 | IPS | HDPE | 20.00 | 0.77 | 18.37 | 20.34 | 53,400 | 65 | 4 | 167 |
| 20 | DR 32.5 | IPS | HDPE | 20.00 | 0.62 | 18.70 | 16.41 | 43,100 | 50 | 2 | 167 |
| 20 | DR 9 | DIPS | HDPE | 21.60 | 2.40 | 16.51 | 63.05 | 166,500 | 200 | 137 | 180 |
| 20 | DR 11 | DIPS | HDPE | 21.60 | 1.96 | 17.44 | 52.85 | 139,300 | 160 | 70 | 180 |
| 20 | DR 13.5 | DIPS | HDPE | 21.60 | 1.60 | 18.21 | 43.91 | 115,600 | 130 | 36 | 180 |
| 20 | DR 17 | DIPS | HDPE | 21.60 | 1.27 | 18.91 | 35.49 | 93,300 | 100 | 17 | 180 |
| 20 | DR 21 | DIPS | HDPE | 21.60 | 1.03 | 19.42 | 29.10 | 76,500 | 80 | 9 | 180 |
| 20 | DR 26 | DIPS | HDPE | 21.60 | 0.83 | 19.84 | 23.74 | 62,400 | 65 | 4 | 180 |
| 20 | DR 32.5 | DIPS | HDPE | 21.60 | 0.67 | 20.19 | 19.16 | 50,300 | 50 | 2 | 180 |
| 22 | DR 7.3 | IPS | HDPE | 22.00 | 3.01 | 15.61 | 78.14 | 206,700 | 255 | 281 | 183 |
| 22 | DR 9 | IPS | HDPE | 22.00 | 2.44 | 16.82 | 65.40 | 172,700 | 200 | 137 | 183 |
| 22 | DR 11 | IPS | HDPE | 22.00 | 2.00 | 17.76 | 54.82 | 144,500 | 160 | 70 | 183 |
| 22 | DR 13.5 | IPS | HDPE | 22.00 | 1.63 | 18.54 | 45.56 | 120,000 | 130 | 36 | 183 |
| 22 | DR 17 | IPS | HDPE | 22.00 | 1.29 | 19.26 | 36.80 | 96,800 | 100 | 17 | 183 |
| 22 | DR 21 | IPS | HDPE | 22.00 | 1.05 | 19.78 | 30.18 | 79,300 | 80 | 9 | 183 |
| 22 | DR 26 | IPS | HDPE | 22.00 | 0.85 | 20.21 | 24.61 | 64,700 | 65 | 4 | 183 |
| 22 | DR 32.5 | IPS | HDPE | 22.00 | 0.68 | 20.56 | 19.86 | 52,200 | 50 | 2 | 183 |
| 24 | DR 18 | DIPS | Fusible C-905® | 25.80 | 1.43 | 22.76 | 71.08 | 307,100 | 235 | 190 | 538 |
| 24 | DR 21 | DIPS | Fusible C-905® | 25.80 | 1.23 | 23.19 | 61.49 | 265,600 | 200 | 117 | 538 |
| 24 | DR 25 | DIPS | Fusible C-905® | 25.80 | 1.03 | 23.61 | 52.09 | 224,800 | 165 | 68 | 538 |
| 24 | DR 32.5 | DIPS | Fusible C-905® | 25.80 | 0.79 | 24.12 | 40.48 | 174,600 | 125 | 30 | 538 |
| 24 | DR 7.3 | IPS | HDPE | 24.00 | 3.29 | 17.03 | 93.00 | 246,000 | 255 | 281 | 200 |
| 24 | DR 9 | IPS | HDPE | 24.00 | 2.67 | 18.35 | 77.85 | 205,600 | 200 | 137 | 200 |
| 24 | DR 11 | IPS | HDPE | 24.00 | 2.18 | 19.37 | 65.24 | 172,000 | 160 | 70 | 200 |
| 24 | DR 13.5 | IPS | HDPE | 24.00 | 1.78 | 20.23 | 54.21 | 142,700 | 130 | 36 | 200 |
| 24 | DR 17 | IPS | HDPE | 24.00 | 1.41 | 21.01 | 43.81 | 115,200 | 100 | 17 | 200 |
| 24 | DR 21 | IPS | HDPE | 24.00 | 1.14 | 21.58 | 35.91 | 94,400 | 80 | 9 | 200 |
| 24 | DR 26 | IPS | HDPE | 24.00 | 0.92 | 22.04 | 29.30 | 77,000 | 65 | 4 | 200 |
| 24 | DR 32.5 | IPS | HDPE | 24.00 | 0.74 | 22.44 | 23.62 | 62,000 | 50 | 2 | 200 |
| 24 | DR 9 | DIPS | HDPE | 25.80 | 2.87 | 19.72 | 89.97 | 237,500 | 200 | 137 | 215 |
| 24 | DR 11 | DIPS | HDPE | 25.80 | 2.35 | 20.83 | 75.38 | 198,700 | 160 | 70 | 215 |
| 24 | DR 13.5 | DIPS | HDPE | 25.80 | 1.91 | 21.75 | 62.64 | 164,900 | 130 | 36 | 215 |
| 24 | DR 17 | DIPS | HDPE | 25.80 | 1.52 | 22.58 | 50.63 | 133,200 | 100 | 17 | 215 |
| 24 | DR 21 | DIPS | HDPE | 25.80 | 1.23 | 23.19 | 41.51 | 109,100 | 80 | 9 | 215 |
| 24 | DR 26 | DIPS | HDPE | 25.80 | 0.99 | 23.70 | 33.85 | 88,900 | 65 | 4 | 215 |
| 24 | DR 32.5 | DIPS | HDPE | 25.80 | 0.79 | 24.12 | 27.32 | 71,700 | 50 | 2 | 215 |
| 26 | DR 7.3 | IPS | HDPE | 26.00 | 3.56 | 18.45 | 109.14 | 288,800 | 255 | 281 | 217 |
| 26 | DR 9 | IPS | HDPE | 26.00 | 2.89 | 19.88 | 91.36 | 241,200 | 200 | 137 | 217 |
| 26 | DR 11 | IPS | HDPE | 26.00 | 2.36 | 20.99 | 76.57 | 201,900 | 160 | 70 | 217 |
| 26 | DR 13.5 | IPS | HDPE | 26.00 | 1.93 | 21.92 | 63.62 | 167,500 | 130 | 36 | 217 |
| 26 | DR 17 | IPS | HDPE | 26.00 | 1.53 | 22.76 | 51.39 | 135,200 | 100 | 17 | 217 |
| 26 | DR 21 | IPS | HDPE | 26.00 | 1.24 | 23.38 | 42.14 | 110,800 | 80 | 9 | 217 |
| 26 | DR 26 | IPS | HDPE | 26.00 | 1.00 | 23.88 | 34.39 | 90,300 | 65 | 4 | 217 |
| 26 | DR 32.5 | IPS | HDPE | 26.00 | 0.80 | 24.30 | 27.74 | 72,800 | 50 | 2 | 217 |
| 28 | DR 9 | IPS | HDPE | 28.00 | 3.11 | 21.40 | 105.95 | 279,700 | 200 | 137 | 233 |

Pipe Engineering Data Sheet

| Nom. Size (in) | DR / Pipe Stiffness | O. D. Series | Material | O.D. (in) ² | Min. Wall (in) ² | Avg. I.D. (in) | Wt (lbs/ft) ⁵ | Safe Pulling Force (lbs) ⁴ | Max. working Pressure (psig) ⁶ | Critical Buckling Pressure (psig) ⁷ | Min. Allowable Bend Radius (ft) ⁸ |
|----------------|---------------------|--------------|----------------|------------------------|-----------------------------|----------------|--------------------------|---------------------------------------|---|--|--|
| 28 | DR 11 | IPS | HDPE | 28.00 | 2.55 | 22.60 | 88.78 | 234,000 | 160 | 70 | 233 |
| 28 | DR 13.5 | IPS | HDPE | 28.00 | 2.07 | 23.60 | 73.78 | 194,300 | 130 | 36 | 233 |
| 28 | DR 17 | IPS | HDPE | 28.00 | 1.65 | 24.51 | 59.62 | 156,800 | 100 | 17 | 233 |
| 28 | DR 21 | IPS | HDPE | 28.00 | 1.33 | 25.17 | 48.86 | 128,400 | 80 | 9 | 233 |
| 28 | DR 26 | IPS | HDPE | 28.00 | 1.08 | 25.72 | 39.88 | 104,800 | 65 | 4 | 233 |
| 28 | DR 32.5 | IPS | HDPE | 28.00 | 0.86 | 26.17 | 32.19 | 84,500 | 50 | 2 | 233 |
| 30 | DR 21 | DIPS | Fusible C-905® | 32.00 | 1.52 | 28.77 | 94.60 | 408,500 | 200 | 117 | 667 |
| 30 | DR 25 | DIPS | Fusible C-905® | 32.00 | 1.28 | 29.29 | 80.14 | 345,800 | 165 | 68 | 667 |
| 30 | DR 32.5 | DIPS | Fusible C-905® | 32.00 | 0.99 | 29.91 | 62.28 | 268,700 | 125 | 30 | 667 |
| 30 | DR 41 | DIPS | Fusible C-905® | 32.00 | 0.78 | 30.35 | 50.12 | 214,200 | 100 | 15 | 667 |
| 30 | DR 9 | IPS | HDPE | 30.00 | 3.33 | 22.93 | 121.62 | 321,100 | 200 | 137 | 250 |
| 30 | DR 11 | IPS | HDPE | 30.00 | 2.73 | 24.22 | 101.92 | 268,700 | 160 | 70 | 250 |
| 30 | DR 13.5 | IPS | HDPE | 30.00 | 2.22 | 25.29 | 84.69 | 223,000 | 130 | 36 | 250 |
| 30 | DR 17 | IPS | HDPE | 30.00 | 1.77 | 26.26 | 68.45 | 180,000 | 100 | 17 | 250 |
| 30 | DR 21 | IPS | HDPE | 30.00 | 1.43 | 26.97 | 56.12 | 147,500 | 80 | 9 | 250 |
| 30 | DR 26 | IPS | HDPE | 30.00 | 1.15 | 27.55 | 45.78 | 120,300 | 65 | 4 | 250 |
| 30 | DR 32.5 | IPS | HDPE | 30.00 | 0.92 | 28.04 | 36.93 | 97,000 | 50 | 2 | 250 |
| 30 | DR 9 | DIPS | HDPE | 32.00 | 3.56 | 24.46 | 138.41 | 365,400 | 200 | 137 | 267 |
| 30 | DR 11 | DIPS | HDPE | 32.00 | 2.91 | 25.83 | 115.97 | 305,700 | 160 | 70 | 267 |
| 30 | DR 13.5 | DIPS | HDPE | 32.00 | 2.37 | 26.98 | 96.35 | 253,700 | 130 | 36 | 267 |
| 30 | DR 17 | DIPS | HDPE | 32.00 | 1.88 | 28.01 | 77.86 | 204,800 | 100 | 17 | 267 |
| 30 | DR 21 | DIPS | HDPE | 32.00 | 1.52 | 28.77 | 63.84 | 167,800 | 80 | 9 | 267 |
| 30 | DR 26 | DIPS | HDPE | 32.00 | 1.23 | 29.39 | 52.10 | 136,800 | 65 | 4 | 267 |
| 30 | DR 32.5 | DIPS | HDPE | 32.00 | 0.99 | 29.91 | 42.04 | 110,400 | 50 | 2 | 267 |
| 32 | DR 9 | IPS | HDPE | 32.00 | 3.56 | 24.46 | 138.41 | 365,400 | 200 | 137 | 267 |
| 32 | DR 11 | IPS | HDPE | 32.00 | 2.91 | 25.83 | 115.97 | 305,700 | 160 | 70 | 267 |
| 32 | DR 13.5 | IPS | HDPE | 32.00 | 2.37 | 26.98 | 96.35 | 253,700 | 130 | 36 | 267 |
| 32 | DR 17 | IPS | HDPE | 32.00 | 1.88 | 28.01 | 77.86 | 204,800 | 100 | 17 | 267 |
| 32 | DR 21 | IPS | HDPE | 32.00 | 1.52 | 28.77 | 63.84 | 167,800 | 80 | 9 | 267 |
| 32 | DR 26 | IPS | HDPE | 32.00 | 1.23 | 29.39 | 52.10 | 136,800 | 65 | 4 | 267 |
| 32 | DR 32.5 | IPS | HDPE | 32.00 | 0.99 | 29.91 | 42.04 | 110,400 | 50 | 2 | 267 |
| 34 | DR 11 | IPS | HDPE | 34.00 | 3.09 | 27.45 | 130.93 | 345,200 | 160 | 70 | 283 |
| 34 | DR 13.5 | IPS | HDPE | 34.00 | 2.52 | 28.66 | 108.81 | 286,500 | 130 | 36 | 283 |
| 34 | DR 17 | IPS | HDPE | 34.00 | 2.00 | 29.76 | 87.91 | 231,200 | 100 | 17 | 283 |
| 34 | DR 21 | IPS | HDPE | 34.00 | 1.62 | 30.57 | 72.06 | 189,400 | 80 | 9 | 283 |
| 34 | DR 26 | IPS | HDPE | 34.00 | 1.31 | 31.23 | 58.81 | 154,500 | 65 | 4 | 283 |
| 34 | DR 32.5 | IPS | HDPE | 34.00 | 1.05 | 31.78 | 47.43 | 124,500 | 50 | 2 | 283 |
| 36 | DR 21 | DIPS | Fusible C-905® | 38.30 | 1.82 | 34.43 | 135.51 | 585,100 | 200 | 117 | 798 |
| 36 | DR 25 | DIPS | Fusible C-905® | 38.30 | 1.53 | 35.05 | 114.79 | 495,400 | 165 | 68 | 798 |
| 36 | DR 32.5 | DIPS | Fusible C-905® | 38.30 | 1.18 | 35.80 | 89.15 | 384,600 | 125 | 30 | 798 |
| 36 | DR 41 | DIPS | Fusible C-905® | 38.30 | 0.93 | 36.32 | 71.85 | 306,900 | 100 | 15 | 798 |
| 36 | DR 11 | IPS | HDPE | 36.00 | 3.27 | 29.06 | 146.80 | 387,000 | 160 | 70 | 300 |
| 36 | DR 13.5 | IPS | HDPE | 36.00 | 2.67 | 30.35 | 121.98 | 321,200 | 130 | 36 | 300 |
| 36 | DR 17 | IPS | HDPE | 36.00 | 2.12 | 31.51 | 98.57 | 259,300 | 100 | 17 | 300 |
| 36 | DR 21 | IPS | HDPE | 36.00 | 1.71 | 32.37 | 80.78 | 212,300 | 80 | 9 | 300 |
| 36 | DR 26 | IPS | HDPE | 36.00 | 1.39 | 33.06 | 65.94 | 173,200 | 65 | 4 | 300 |
| 36 | DR 32.5 | IPS | HDPE | 36.00 | 1.11 | 33.65 | 53.20 | 139,700 | 50 | 2 | 300 |
| 36 | DR 11 | DIPS | HDPE | 38.30 | 3.48 | 30.92 | 166.15 | 438,000 | 160 | 70 | 319 |
| 36 | DR 13.5 | DIPS | HDPE | 38.30 | 2.84 | 32.29 | 138.04 | 363,500 | 130 | 36 | 319 |
| 36 | DR 17 | DIPS | HDPE | 38.30 | 2.25 | 33.52 | 111.55 | 293,400 | 100 | 17 | 319 |
| 36 | DR 21 | DIPS | HDPE | 38.30 | 1.82 | 34.43 | 91.45 | 240,400 | 80 | 9 | 319 |
| 36 | DR 26 | DIPS | HDPE | 38.30 | 1.47 | 35.18 | 74.61 | 196,000 | 65 | 4 | 319 |
| 36 | DR 32.5 | DIPS | HDPE | 38.30 | 1.18 | 35.80 | 60.18 | 158,000 | 50 | 2 | 319 |
| 42 | DR 13.5 | IPS | HDPE | 42.00 | 3.11 | 35.40 | 166.00 | 437,100 | 130 | 36 | 350 |
| 42 | DR 17 | IPS | HDPE | 42.00 | 2.47 | 36.76 | 134.16 | 352,900 | 100 | 17 | 350 |
| 42 | DR 21 | IPS | HDPE | 42.00 | 2.00 | 37.76 | 109.97 | 289,000 | 80 | 9 | 350 |
| 42 | DR 26 | IPS | HDPE | 42.00 | 1.62 | 38.58 | 89.71 | 235,600 | 65 | 4 | 350 |

Pipe Engineering Data Sheet

| Nom. Size (in) | DR / Pipe Stiffness | O. D. Series | Material | O.D. (in) ² | Min. Wall (in) ² | Avg. I.D. (in) | Wt (lbs/ft) ⁵ | Safe Pulling Force (lbs) ⁴ | Max. working Pressure (psig) ⁶ | Critical Buckling Pressure (psig) ⁷ | Min. Allowable Bend Radius (ft) ⁸ |
|----------------|---------------------|--------------|----------|------------------------|-----------------------------|----------------|--------------------------|---------------------------------------|---|--|--|
| 42 | DR 32.5 | IPS | HDPE | 42.00 | 1.29 | 39.26 | 72.37 | 190,000 | 50 | 2 | 350 |
| 42 | DR 13.5 | DIPS | HDPE | 44.50 | 3.30 | 37.51 | 186.34 | 490,700 | 130 | 36 | 371 |
| 42 | DR 17 | DIPS | HDPE | 44.50 | 2.62 | 38.95 | 150.60 | 396,100 | 100 | 17 | 371 |
| 42 | DR 21 | DIPS | HDPE | 44.50 | 2.12 | 40.01 | 123.44 | 324,500 | 80 | 9 | 371 |
| 42 | DR 26 | DIPS | HDPE | 44.50 | 1.71 | 40.87 | 100.75 | 264,700 | 65 | 4 | 371 |
| 42 | DR 32.5 | DIPS | HDPE | 44.50 | 1.37 | 41.60 | 81.25 | 213,300 | 50 | 2 | 371 |

Notes:

- HDPE information and calculations are based on AWWA C906-07 standard published criteria. All data reflects AWWA specified sizes and DR's, but this is not intended to indicate commercial availability of any size or DR.
- PVC dimensions (minimum wall thickness and outside diameter) are per the following standards:

| Pipe Size | DR / Pipe Stiffness | OD Series | Standard |
|-----------|---------------------|-----------|--------------------------|
| 4"-24" | Schedule Pipe (Sch) | IPS | ASTM D-1785 |
| 4"-12" | DR | DIPS | AWWA C900 |
| 4"-12" | SDR | IPS | ASTM D-2241 |
| 14"-36" | (S)DR | IPS | AWWA C905 or ASTM D-2241 |
| 14"-36" | DR | DIPS | AWWA C905 |
| ≤ 15" | SDR | Sewer | ASTM D-3034 |
| ≥ 18" | PS | Sewer | ASTM F-679 |
- PVC safe pull stress of 2,800 PSI is based on the minimum cell classification value of 7,000 PSI for short term tensile strength [ASTM D1784] and a safety factor of 2.5. HDPE safe pull stress is based on the published value for a 12 hour duration of 1,150 PSI [Handbook of Polyethylene Pipe, 2nd Edition].
- PVC and HDPE safe pull forces are based on minimum wall thickness and the safe pull stresses as given per Note 3.
- PVC weights are based on an average of the extruder's recorded weights, or estimated using average wall thickness and density of PVC at 73° F. HDPE weights are based on average wall thicknesses and densities, per PPI TR-7 2007.
- Maximum Working Pressures are per the standard that the pipe is produced to, at 73° F [see note 2 above].
- Critical Buckling Pressures are calculated using the Modulus of Elasticity (400,000 PSI for PVC and 28,000 PSI for HDPE), and published Poisson's Ratio for the given material [Unibell Handbook of PVC, 4th Edition & Handbook of Polyethylene Pipe, 2nd Edition]. No safety factor is included in the calculation for Critical Buckling Pressures for PVC or HDPE.
- Bend Radius calculations are based on the assumption that a fitting or flange is present/to be installed in the bend. The Bend Radius for PVC is calculated using 250 times the outside diameter of the pipe, which is based on a axial tensile stress due to bending of 800 PSI and which includes a safety factor of 2.5 compared to long term stress capacity [Unibell Handbook of PVC, 4th Edition]. HDPE Bend Radius is calculated using 100 times the outside diameter of the pipe, which includes a safety factor of 2.0 that is specific to bending [AWWA Manual M55, 1st Edition].

| DIPS PIPE | | |
|----------------|----------------|------------|
| Nom. Size (in) | LF/Truckload** | |
| | 40' Sticks | 45' Sticks |
| 4" | 15,360 | 17,280 |
| 4" DR 14 | 13,440 | 14,400 |
| 6" | 6,720 | 7,560 |
| 8" | 4,000 | 4,500 |
| 8" DR 14 | 3,800 | 4,050 |
| 10" | 2,560 | 2,880 |
| 10" DR 14 | 2,560 | 2,520 |
| 12" | 1,960 | 2,205 |
| 12" DR 14 | 1,680 | 2,070 |
| 14" | 1,440 | 1,620 |
| 16" | 1,000 | 1,125 |
| 18" | 800 | 900 |
| 20" | 640 | 720 |
| 24" | 360 | 405 |
| 30" | 240 | - |
| 36" | 160 | - |

| IPS PIPE | | |
|----------------|----------------|------------|
| Nom. Size (in) | LF/Truckload** | |
| | 40' Sticks | 45' Sticks |
| 4" | 18,240 | 20,520 |
| 6" | 8,320 | 9,360 |
| 8" | 4,480 | 5,040 |
| 10" | 2,880 | 3,240 |
| 12" | 2,240 | 2,520 |

| SEWER PIPE | | |
|----------------|----------------|------------|
| Nom. Size (in) | LF/Truckload** | |
| | 40' Sticks | 45' Sticks |
| 4" | 19,000 | 21,375 |
| 6" | 8,320 | 9,360 |
| 8" | 5,040 | 5,670 |
| 10" | 3,040 | 3,420 |
| 12" | 2,680 | 3,015 |
| 15" | 1,440 | 1,620 |
| 18" | 1,040 | 1,170 |
| 21" | 640 | 720 |
| 24" | 440 | 495 |
| 27" | 360 | 405 |

**Quantities may vary depending on how pipe is bundled.