

Miscellaneous Shapes

Single Angles

CAFECO® FENDOLITE® M-II, TG & ISOLATEK® Type M-II, TG

| ASTM Desig. | W/D | Metric Desig. | M/D | Hp/A | 1-Hour | 1-1/2 Hour | 2-Hour | 3-Hour | 4-Hour |
|-----------------|------|----------------|-------|-------|--------|------------|--------|---------|---------|
| L 8 x 8 x 1-1/8 | 1.80 | 203 x 203 x 29 | 106.2 | 74.4 | 7/16 | 5/8 | 13/16 | 1-1/4 | 1-5/8 |
| x 1 | 1.62 | x 25 | 95.6 | 82.7 | 7/16 | 11/16 | 7/8 | 1-5/16 | 1-3/4 |
| x 7/8 | 1.43 | x 22 | 84.4 | 93.7 | 1/2 | 11/16 | 15/16 | 1-3/8 | 1-7/8 |
| x 3/4 | 1.24 | x 19 | 73.2 | 108.1 | 1/2 | 3/4 | 1 | 1-1/2 | 2 |
| x 5/8 | 1.04 | x 16 | 61.4 | 128.8 | 9/16 | 13/16 | 1-1/8 | 1-5/8 | 2 |
| x 9/16 | 0.94 | x 14 | 55.5 | 142.5 | 9/16 | 7/8 | 1-1/8 | 1-5/8 | 2 |
| x 1/2 | 0.84 | x 13 | 49.6 | 159.5 | 5/8 | 15/16 | 1-3/16 | 1-5/8 | 2 |
| L8 x 6 x 1 | 1.60 | 203 x 152 x 25 | 94.4 | 83.7 | 7/16 | 11/16 | 7/8 | 1-5/16 | 1-3/4 |
| x 7/8 | 1.41 | x 22 | 83.2 | 95.0 | 1/2 | 11/16 | 15/16 | 1-3/8 | 1-7/8 |
| x 3/4 | 1.22 | x 19 | 72.0 | 109.8 | 1/2 | 3/4 | 1 | 1-1/2 | 2 |
| x 5/8 | 1.03 | x 16 | 60.8 | 130.1 | 9/16 | 13/16 | 1-1/8 | 1-5/8 | 2 |
| x 9/16 | 0.93 | x 14 | 54.9 | 144.1 | 5/8 | 7/8 | 1-3/16 | 1-5/8 | 2 |
| x 1/2 | 0.83 | x 13 | 49.0 | 161.4 | 5/8 | 15/16 | 1-3/16 | 1-5/8 | 2 |
| x 7/16 | 0.73 | x 11 | 43.1 | 183.5 | 11/16 | 1 | 1-5/16 | 1-13/16 | 2-5/16 |
| L8 x 4 x 1 | 1.58 | 203 x 102 x 25 | 93.2 | 84.8 | 7/16 | 11/16 | 7/8 | 1-5/16 | 1-3/4 |
| x 7/8 | 1.40 | x 22 | 82.6 | 95.7 | 1/2 | 3/4 | 15/16 | 1-7/16 | 1-7/8 |
| x 3/4 | 1.21 | x 19 | 71.4 | 110.7 | 1/2 | 3/4 | 1 | 1-1/2 | 2 |
| x 5/8 | 1.03 | x 16 | 60.8 | 130.1 | 9/16 | 13/16 | 1-1/8 | 1-5/8 | 2 |
| x 9/16 | 0.92 | x 14 | 54.3 | 145.6 | 5/8 | 7/8 | 1-3/16 | 1-5/8 | 2 |
| x 1/2 | 0.82 | x 13 | 48.4 | 163.4 | 5/8 | 15/16 | 1-1/4 | 1-13/16 | 2-5/16 |
| x 7/16 | 0.73 | x 11 | 43.1 | 183.5 | 11/16 | 1 | 1-5/16 | 1-13/16 | 2-5/16 |
| L7 x 4 x 3/4 | 1.20 | 178 x 102 x 19 | 70.8 | 111.7 | 1/2 | 3/4 | 1 | 1-1/2 | 2 |
| x 5/8 | 1.01 | x 16 | 59.6 | 132.7 | 9/16 | 7/8 | 1-1/8 | 1-5/8 | 2 |
| x 1/2 | 0.82 | x 13 | 48.4 | 163.4 | 5/8 | 15/16 | 1-1/4 | 1-13/16 | 2-5/16 |
| x 7/16 | 0.72 | x 11 | 42.5 | 186.1 | 11/16 | 1 | 1-5/16 | 1-13/16 | 2-5/16 |
| x 3/8 | 0.62 | x 9.5 | 36.6 | 216.1 | 11/16 | 1 | 1-3/8 | 2 | 2-11/16 |
| L6 x 6 x 1 | 1.58 | 152 x 152 x 25 | 93.2 | 84.8 | 7/16 | 11/16 | 7/8 | 1-5/16 | 1-3/4 |
| x 7/8 | 1.39 | x 22 | 82.0 | 96.4 | 1/2 | 3/4 | 15/16 | 1-7/16 | 1-7/8 |
| x 3/4 | 1.21 | x 19 | 71.4 | 110.7 | 1/2 | 3/4 | 1 | 1-1/2 | 2 |
| x 5/8 | 1.02 | x 16 | 60.2 | 131.4 | 9/16 | 13/16 | 1-1/8 | 1-5/8 | 2 |
| x 9/16 | 0.92 | x 14 | 54.3 | 145.6 | 5/8 | 7/8 | 1-3/16 | 1-5/8 | 2 |
| x 1/2 | 0.82 | x 13 | 48.4 | 163.4 | 5/8 | 15/16 | 1-1/4 | 1-13/16 | 2-5/16 |
| x 7/16 | 0.72 | x 11 | 42.5 | 186.1 | 11/16 | 1 | 1-5/16 | 1-13/16 | 2-5/16 |
| x 3/8 | 0.62 | x 9.5 | 36.6 | 216.1 | 11/16 | 1 | 1-3/8 | 2 | 2-11/16 |
| x 5/16 | 0.52 | x 7.9 | 30.7 | 257.7 | 3/4 | 1-1/16 | 1-7/16 | 2-1/8 | 2-13/16 |
| L6 x 4 x 7/8 | 1.37 | 152 x 102 x 22 | 80.8 | 97.8 | 1/2 | 3/4 | 15/16 | 1-7/16 | 1-7/8 |
| x 3/4 | 1.19 | x 19 | 70.2 | 112.6 | 9/16 | 13/16 | 1-1/16 | 1-9/16 | 2 |
| x 5/8 | 1.00 | x 16 | 59.0 | 134.0 | 9/16 | 7/8 | 1-1/8 | 1-5/8 | 2 |
| x 9/16 | 0.90 | x 14 | 53.1 | 148.9 | 5/8 | 7/8 | 1-3/16 | 1-5/8 | 2 |
| x 1/2 | 0.80 | x 13 | 47.2 | 167.5 | 5/8 | 15/16 | 1-1/4 | 1-13/16 | 2-5/16 |
| x 7/16 | 0.71 | x 11 | 41.9 | 188.7 | 11/16 | 1 | 1-5/16 | 1-13/16 | 2-5/16 |
| x 3/8 | 0.61 | x 9.5 | 36.0 | 219.6 | 11/16 | 1-1/16 | 1-3/8 | 2-1/16 | 2-11/16 |
| x 5/16 | 0.51 | x 7.9 | 30.1 | 262.7 | 3/4 | 1-1/8 | 1-7/16 | 2-3/16 | 2-13/16 |
| L6 x 3.5 x 1/2 | 0.81 | 152 x 89 x 13 | 47.8 | 165.4 | 5/8 | 15/16 | 1-1/4 | 1-13/16 | 2-7/16 |
| x 3/8 | 0.61 | x 9.5 | 36.0 | 219.6 | 11/16 | 1-1/16 | 1-3/8 | 2-1/16 | 2-11/16 |
| x 5/16 | 0.51 | x 7.9 | 30.1 | 262.7 | 3/4 | 1-1/8 | 1-7/16 | 2-3/16 | 2-13/16 |

Miscellaneous Shapes

Single Angles

CAFECO® FENDOLITE® M-II, TG & ISOLATEK® Type M-II, TG

| ASTM Desig. | W/D | Metric Desig. | M/D | Hp/A | 1-Hour | 1-1/2 Hour | 2-Hour | 3-Hour | 4-Hour |
|------------------|------|----------------|------|-------|--------|------------|---------|---------|---------|
| L5 x 5 x 7/8 | 1.38 | 127 x 127 x 22 | 81.4 | 97.1 | 1/2 | 3/4 | 15/16 | 1-7/16 | 1-7/8 |
| x 3/4 | 1.20 | x 19 | 70.8 | 111.7 | 1/2 | 3/4 | 1 | 1-1/2 | 2 |
| x 5/8 | 1.02 | x 16 | 60.2 | 131.4 | 9/16 | 13/16 | 1-1/8 | 1-5/8 | 2 |
| x 1/2 | 0.82 | x 13 | 48.4 | 163.4 | 5/8 | 15/16 | 1-1/4 | 1-13/16 | 2-5/16 |
| x 7/16 | 0.72 | x 11 | 42.5 | 186.1 | 11/16 | 1 | 1-5/16 | 1-13/16 | 2-5/16 |
| x 3/8 | 0.62 | x 9.5 | 36.6 | 216.1 | 11/16 | 1 | 1-3/8 | 2 | 2-11/16 |
| x 5/16 | 0.52 | x 7.9 | 30.7 | 257.7 | 3/4 | 1-1/16 | 1-7/16 | 2-1/8 | 2-13/16 |
| L5 x 3.5 x 3/4 | 1.18 | 127 x 89 x 19 | 69.6 | 113.5 | 9/16 | 13/16 | 1-1/16 | 1-9/16 | 2 |
| x 5/8 | 1.00 | x 16 | 59.0 | 134.0 | 9/16 | 7/8 | 1-1/8 | 1-5/8 | 2 |
| x 1/2 | 0.81 | x 13 | 47.8 | 165.4 | 5/8 | 15/16 | 1-1/4 | 1-13/16 | 2-5/16 |
| x 3/8 | 0.61 | x 9.5 | 36.0 | 219.6 | 11/16 | 1-1/16 | 1-3/8 | 2-1/16 | 2-11/16 |
| x 5/16 | 0.51 | x 7.9 | 30.1 | 262.7 | 3/4 | 1-1/8 | 1-7/16 | 2-3/16 | 2-13/16 |
| x 1/4 | 0.41 | x 6.4 | 24.2 | 326.8 | 1 | 1-3/8 | 1-11/16 | 2-3/8 | 3 |
| L5 x 3 x 1/2 | 0.81 | 127 x 76 x 13 | 47.8 | 165.4 | 5/8 | 15/16 | 1-1/4 | 1-13/16 | 2-5/16 |
| x 7/16 | 0.71 | x 11 | 41.9 | 188.7 | 11/16 | 1 | 1-5/16 | 1-13/16 | 2-5/16 |
| x 3/8 | 0.61 | x 9.5 | 36.0 | 219.6 | 11/16 | 1-1/16 | 1-3/8 | 2-1/16 | 2-11/16 |
| x 5/16 | 0.51 | x 7.9 | 30.1 | 262.7 | 3/4 | 1-1/8 | 1-7/16 | 2-3/16 | 2-13/16 |
| x 1/4 | 0.41 | x 6.4 | 24.2 | 326.8 | 1 | 1-3/8 | 1-11/16 | 2-3/8 | 3 |
| L4 x 4 x 3/4 | 1.17 | 102 x 102 x 19 | 69.0 | 114.5 | 9/16 | 13/16 | 1-1/16 | 1-9/16 | 2 |
| x 5/8 | 0.99 | x 16 | 58.6 | 134.8 | 9/16 | 7/8 | 1-1/8 | 1-5/8 | 2 |
| x 1/2 | 0.80 | x 13 | 47.2 | 167.5 | 5/8 | 15/16 | 1-1/4 | 1-13/16 | 2-5/16 |
| x 7/16 | 0.70 | x 11 | 41.3 | 191.4 | 11/16 | 1 | 1-5/16 | 1-13/16 | 2-5/16 |
| x 3/8 | 0.61 | x 9.5 | 36.0 | 219.6 | 11/16 | 1-1/16 | 1-3/8 | 2-1/16 | 2-11/16 |
| x 5/16 | 0.51 | x 7.9 | 30.1 | 262.7 | 3/4 | 1-1/8 | 1-7/16 | 2-3/16 | 2-13/16 |
| x 1/4 | 0.41 | x 6.4 | 24.2 | 326.8 | 1 | 1-3/8 | 1-11/16 | 2-3/8 | 3 |
| L4 x 3.5 x 1/2 | 0.79 | 109 x 89 x 13 | 46.6 | 169.6 | 5/8 | 15/16 | 1-1/4 | 1-13/16 | 2-5/16 |
| x 3/8 | 0.60 | x 9.5 | 35.4 | 223.3 | 11/16 | 1-1/16 | 1-3/8 | 2-1/16 | 2-11/16 |
| x 5/16 | 0.51 | x 7.9 | 30.1 | 262.7 | 3/4 | 1-1/8 | 1-7/16 | 2-3/16 | 2-13/16 |
| x 1/4 | 0.41 | x 6.4 | 24.2 | 326.8 | 1 | 1-3/8 | 1-11/16 | 2-3/8 | 3 |
| L4 x 3 x 5/8 | 0.97 | 102 x 76 x 16 | 57.2 | 138.1 | 9/16 | 7/8 | 1-1/8 | 1-5/8 | 2 |
| x 1/2 | 0.79 | x 13 | 46.6 | 169.6 | 5/8 | 15/16 | 1-1/4 | 1-13/16 | 2-5/16 |
| x 3/8 | 0.60 | x 9.8 | 35.4 | 223.3 | 11/16 | 1-1/16 | 1-3/8 | 2-1/16 | 2-11/16 |
| x 5/16 | 0.50 | x 7.9 | 29.5 | 268.0 | 3/4 | 1-1/8 | 1-7/16 | 2-3/16 | 2-13/16 |
| x 1/4 | 0.41 | x 6.4 | 24.2 | 326.8 | 1 | 1-3/8 | 1-11/16 | 2-3/8 | 3 |
| L3.5 x 3.5 x 1/2 | 0.80 | 89 x 89 x 13 | 47.2 | 167.5 | 5/8 | 15/16 | 1-1/4 | 1-13/16 | 2-5/16 |
| x 7/16 | 0.71 | x 11 | 41.9 | 188.7 | 11/16 | 1 | 1-5/16 | 1-13/16 | 2-5/16 |
| x 3/8 | 0.61 | x 9.5 | 36.0 | 219.6 | 11/16 | 1-1/16 | 1-3/8 | 2-1/16 | 2-11/16 |
| x 5/16 | 0.51 | x 7.9 | 30.1 | 262.7 | 3/4 | 1-1/8 | 1-7/16 | 2-3/16 | 2-13/16 |
| x 1/4 | 0.42 | x 6.4 | 24.8 | 319.0 | 1 | 1-3/8 | 1-11/16 | 2-3/8 | 3 |
| L3.5 x 3 x 1/2 | 0.80 | 89 x 76 x 13 | 47.2 | 167.5 | 5/8 | 15/16 | 1-1/4 | 1-13/16 | 2-5/16 |
| x 7/16 | 0.71 | x 11 | 41.9 | 188.7 | 11/16 | 1 | 1-5/16 | 1-13/16 | 2-5/16 |
| x 3/8 | 0.61 | x 9.5 | 36.0 | 219.6 | 11/16 | 1-1/16 | 1-3/8 | 2-1/16 | 2-11/16 |
| x 5/16 | 0.52 | x 7.9 | 30.7 | 257.7 | 3/4 | 1-1/16 | 1-7/16 | 2-1/8 | 2-13/16 |
| x 1/4 | 0.42 | x 6.4 | 24.8 | 319.0 | 1 | 1-3/8 | 1-11/16 | 2-3/8 | 3 |

Miscellaneous Shapes

Single Angles

CAFECO® FENDOLITE® M-II, TG & ISOLATEK® Type M-II, TG

| ASTM Desig. | W/D | Metric Desig. | M/D | Hp/A | 1-Hour | 1-1/2 Hour | 2-Hour | 3-Hour | 4-Hour |
|------------------|------|---------------|------|-------|--------|------------|---------|---------|---------|
| L3.5 x 2.5 x 1/2 | 0.80 | 89 x 64 x 13 | 47.2 | 167.5 | 5/8 | 15/16 | 1-1/4 | 1-13/16 | 2-5/16 |
| x 3/8 | 0.61 | | 36.0 | 219.6 | 11/16 | 1-1/16 | 1-3/8 | 2-1/16 | 2-11/16 |
| x 5/16 | 0.51 | x 7.9 | 30.1 | 262.7 | 3/4 | 1-1/8 | 1-7/16 | 2-3/16 | 2-13/16 |
| x 1/4 | 0.41 | x 6.4 | 24.2 | 326.8 | 1 | 1-3/8 | 1-11/16 | 2-3/8 | 3 |
| L3 x 3 x 1/2 | 0.79 | 76 x 76 x 13 | 46.6 | 169.6 | 5/8 | 15/16 | 1-1/4 | 1-13/16 | 2-5/16 |
| x 7/16 | 0.70 | x 11 | 41.3 | 191.4 | 11/16 | 1 | 1-5/16 | 1-13/16 | 2-5/16 |
| x 3/8 | 0.60 | x 9.5 | 35.4 | 223.3 | 11/16 | 1-1/16 | 1-3/8 | 2-1/16 | 2-11/16 |
| x 5/16 | 0.51 | x 7.9 | 30.1 | 262.7 | 3/4 | 1-1/8 | 1-7/16 | 2-3/16 | 2-13/16 |
| x 1/4 | 0.41 | x 6.4 | 24.2 | 326.8 | 1 | 1-3/8 | 1-11/16 | 2-3/8 | 3 |
| L3 x 2.5 x 1/2 | 0.79 | 76 x 64 x 13 | 46.6 | 169.6 | 5/8 | 15/16 | 1-1/4 | 1-13/16 | 2-5/16 |
| x 7/16 | 0.70 | x 11 | 41.3 | 191.4 | 11/16 | 1 | 1-5/16 | 1-13/16 | 2-5/16 |
| x 3/8 | 0.60 | x 9.5 | 35.4 | 223.3 | 11/16 | 1-1/16 | 1-3/8 | 2-1/16 | 2-11/16 |
| x 5/16 | 0.51 | x 7.9 | 30.1 | 262.7 | 3/4 | 1-1/8 | 1-7/16 | 2-3/16 | 2-13/16 |
| x 1/4 | 0.41 | x 6.4 | 24.2 | 326.8 | 1 | 1-3/8 | 1-11/16 | 2-3/8 | 3 |
| L3 x 2 x 1/2 | 0.78 | 76 x 51 x 13 | 46.0 | 171.8 | 5/8 | 15/16 | 1-1/4 | 1-13/16 | 2-5/16 |
| x 3/8 | 0.60 | x 9.5 | 35.4 | 223.3 | 11/16 | 1-1/16 | 1-3/8 | 2-1/16 | 2-11/16 |
| x 5/16 | 0.51 | x 7.9 | 30.1 | 262.7 | 3/4 | 1-1/8 | 1-7/16 | 2-3/16 | 2-13/16 |
| x 1/4 | 0.41 | x 6.4 | 24.2 | 326.8 | 1 | 1-3/8 | 1-11/16 | 2-3/8 | 3 |
| L2.5 x 2.5 x 1/2 | 0.77 | 64 x 64 x 13 | 45.4 | 174.0 | 5/8 | 15/16 | 1-1/4 | 1-13/16 | 2-5/16 |
| x 3/8 | 0.59 | x 9.5 | 34.8 | 227.1 | 11/16 | 1-1/16 | 1-3/8 | 2-1/16 | 2-11/16 |
| x 5/16 | 0.50 | x 7.9 | 29.5 | 268.0 | 3/4 | 1-1/8 | 1-7/16 | 2-3/16 | 2-13/16 |
| x 1/4 | 0.40 | x 6.4 | 23.6 | 335.0 | 1 | 1-3/8 | 1-11/16 | 2-3/8 | 3 |
| L2.5 x 2 x 3/8 | 0.59 | 64 x 51 x 9.5 | 34.8 | 227.1 | 11/16 | 1-1/16 | 1-3/8 | 2-1/16 | 2-11/16 |
| x 5/16 | 0.50 | x 7.9 | 29.5 | 268.0 | 3/4 | 1-1/8 | 1-7/16 | 2-3/16 | 2-13/16 |
| x 1/4 | 0.41 | x 6.4 | 24.2 | 326.8 | 1 | 1-3/8 | 1-11/16 | 2-3/8 | 3 |
| L2 x 2 x 3/8 | 0.58 | 51 x 51 x 9.5 | 34.2 | 231.0 | 11/16 | 1-1/16 | 1-3/8 | 2-1/16 | 2-11/16 |
| x 5/16 | 0.49 | x 7.9 | 28.9 | 273.4 | 15/16 | 1-1/4 | 1-9/16 | 2-3/16 | 2-13/16 |
| x 1/4 | 0.40 | x 6.4 | 23.6 | 335.0 | 1 | 1-3/8 | 1-11/16 | 2-3/8 | 3 |