

## Miscellaneous Shapes

### Double Angles - Two Equal Leg Angles

#### CAFCO® BLAZE-SHIELD® II, HP & ISOLATEK® Type II, HP

| ASTM Desig.      | W/D  | Metric Desig.    | M/D   | Hp/A  | 1-Hour | 1-1/2 Hour | 2-Hour | 3-Hour  | 4-Hour  |
|------------------|------|------------------|-------|-------|--------|------------|--------|---------|---------|
| L8 x 8 x 1-1/8   | 2.33 | 203 x 203 x 28.5 | 137.5 | 57.5  | 3/8    | 1/2        | 11/16  | 1       | 1-3/8   |
| x 1              | 2.09 | x 25.4           | 123.3 | 64.1  | 3/8    | 9/16       | 3/4    | 1-1/8   | 1-1/2   |
| x 7/8            | 1.85 | x 22.2           | 109.2 | 72.4  | 7/16   | 5/8        | 13/16  | 1-3/16  | 1-5/8   |
| x 3/4            | 1.60 | x 19.1           | 94.4  | 83.7  | 7/16   | 11/16      | 15/16  | 1-3/8   | 1-13/16 |
| x 5/8            | 1.35 | x 15.9           | 79.7  | 99.2  | 1/2    | 3/4        | 1      | 1-1/2   | 2       |
| x 9/16           | 1.22 | x 14.3           | 72.0  | 109.8 | 9/16   | 13/16      | 1-1/16 | 1-5/8   | 2-1/8   |
| x 1/2            | 1.09 | x 12.7           | 64.3  | 122.9 | 5/8    | 7/8        | 1-3/16 | 1-11/16 | 2-1/8   |
| L6 x 6 x 1       | 2.02 | 152 x 152 x 25.4 | 119.2 | 66.3  | 3/8    | 9/16       | 3/4    | 1-1/8   | 1-1/2   |
| x 7/8            | 1.79 | x 22.2           | 105.6 | 74.9  | 7/16   | 5/8        | 13/16  | 1-1/4   | 1-5/8   |
| x 3/4            | 1.55 | x 19.1           | 91.5  | 86.4  | 7/16   | 11/16      | 15/16  | 1-3/8   | 1-13/16 |
| x 5/8            | 1.31 | x 15.9           | 77.3  | 102.3 | 9/16   | 13/16      | 1-1/16 | 1-9/16  | 2-1/16  |
| x 9/16           | 1.19 | x 14.3           | 70.2  | 112.6 | 9/16   | 13/16      | 1-1/8  | 1-5/8   | 2-1/8   |
| x 1/2            | 1.06 | x 12.7           | 62.5  | 126.4 | 5/8    | 7/8        | 1-3/16 | 1-11/16 | 2-1/8   |
| x 7/16           | 0.93 | x 11.1           | 55.0  | 143.6 | 5/8    | 15/16      | 1-1/4  | 1-11/16 | 2-1/8   |
| x 3/8            | 0.80 | x 9.5            | 47.2  | 167.5 | 11/16  | 1-1/16     | 1-3/8  | 1-7/8   | 2-5/16  |
| x 5/16           | 0.67 | x 7.9            | 39.8  | 198.8 | 11/16  | 1-1/8      | 1-1/2  | 2-1/4   | 3       |
| L5 x 5 x 7/8     | 1.76 | 127 x 127 x 22.2 | 103.8 | 76.1  | 7/16   | 5/8        | 7/8    | 1-1/4   | 1-11/16 |
| x 3/4            | 1.52 | x 19.1           | 89.7  | 88.1  | 7/16   | 11/16      | 15/16  | 1-3/8   | 1-7/8   |
| x 5/8            | 1.29 | x 15.9           | 76.1  | 103.9 | 9/16   | 13/16      | 1-1/16 | 1-9/16  | 2-1/16  |
| x 1/2            | 1.05 | x 12.7           | 62.0  | 127.6 | 5/8    | 7/8        | 1-3/16 | 1-11/16 | 2-1/8   |
| x 7/16           | 0.92 | x 11.1           | 54.3  | 145.6 | 11/16  | 1          | 1-1/4  | 1-11/16 | 2-1/8   |
| x 3/8            | 0.79 | x 9.5            | 46.6  | 169.6 | 11/16  | 1-1/16     | 1-3/8  | 1-7/8   | 2-5/16  |
| x 5/16           | 0.66 | x 7.9            | 38.9  | 203.0 | 11/16  | 1-1/8      | 1-9/16 | 2-5/16  | 3-1/16  |
| L4 x 4 x 3/4     | 1.47 | 102 x 102 x 19.1 | 86.7  | 91.1  | 7/16   | 3/4        | 15/16  | 1-7/16  | 1-7/8   |
| x 5/8            | 1.25 | x 15.9           | 73.8  | 107.2 | 9/16   | 13/16      | 1-1/16 | 1-9/16  | 2-1/8   |
| x 1/2            | 1.01 | x 12.7           | 59.6  | 132.7 | 5/8    | 15/16      | 1-1/4  | 1-11/16 | 2-1/8   |
| x 7/16           | 0.88 | x 11.1           | 51.9  | 152.3 | 11/16  | 1          | 1-1/4  | 1-11/16 | 2-1/8   |
| x 3/8            | 0.77 | x 9.5            | 45.4  | 174.0 | 11/16  | 1-1/16     | 1-7/16 | 1-7/8   | 2-5/16  |
| x 5/16           | 0.64 | x 7.9            | 37.8  | 209.3 | 11/16  | 1-1/8      | 1-9/16 | 2-5/16  | 3-1/16  |
| x 1/4            | 0.52 | x 6.4            | 30.7  | 257.7 | 1-1/16 | 1-5/8      | 2-1/8  | 3-3/16  | NR      |
| L3.5 x 3.5 x 1/2 | 1.00 | 89 x 89 x 12.7   | 59.0  | 134.0 | 5/8    | 15/16      | 1-1/4  | 1-11/16 | 2-1/8   |
| x 7/16           | 0.88 | x 11.1           | 51.9  | 152.3 | 11/16  | 1          | 1-1/4  | 1-11/16 | 2-1/8   |
| x 3/8            | 0.76 | x 9.5            | 44.8  | 176.3 | 11/16  | 1-1/16     | 1-7/16 | 1-7/8   | 2-5/16  |
| x 5/16           | 0.64 | x 7.9            | 37.8  | 209.3 | 11/16  | 1-1/8      | 1-9/16 | 2-5/16  | 3-1/16  |
| x 1/4            | 0.52 | x 6.4            | 30.7  | 257.7 | 1-1/16 | 1-5/8      | 2-1/8  | 3-3/16  | NR      |
| L3 x 3 x 1/2     | 0.97 | 76 x 76 x 12.7   | 57.2  | 138.1 | 5/8    | 15/16      | 1-1/4  | 1-11/16 | 2-1/8   |
| x 7/16           | 0.86 | x 11.1           | 50.7  | 155.8 | 11/16  | 1          | 1-1/4  | 1-11/16 | 2-1/8   |
| x 3/8            | 0.75 | x 9.5            | 44.3  | 178.6 | 11/16  | 1-1/16     | 1-7/16 | 1-7/8   | 2-5/16  |
| x 5/16           | 0.62 | x 7.9            | 36.6  | 216.1 | 11/16  | 1-1/8      | 1-9/16 | 2-3/8   | 3-1/8   |
| x 1/4            | 0.50 | x 6.4            | 29.5  | 268.0 | 1-1/8  | 1-5/8      | 2-3/16 | 3-1/4   | NR      |
| x 3/16           | 0.38 | x 4.8            | 22.4  | 352.6 | 1-1/4  | 1-13/16    | 2-5/16 | 3-9/16  | NR      |
| L2.5 x 2.5 x 1/2 | 0.94 | 64 x 64 x 12.7   | 55.5  | 142.5 | 5/8    | 15/16      | 1-1/4  | 1-11/16 | 2-1/8   |
| x 3/8            | 0.72 | x 9.5            | 42.5  | 186.1 | 11/16  | 1-1/8      | 1-7/16 | 1-7/8   | 2-5/16  |
| x 5/16           | 0.61 | x 7.9            | 36.0  | 219.6 | 11/16  | 1-1/8      | 1-9/16 | 2-3/8   | 3-3/16  |
| x 1/4            | 0.49 | x 6.4            | 28.9  | 273.4 | 1-1/8  | 1-11/16    | 2-3/16 | 3-5/16  | NR      |
| x 3/16           | 0.37 | x 4.8            | 21.8  | 362.1 | 1-1/4  | 1-13/16    | 2-5/16 | 3-9/16  | NR      |
| L2 x 2 x 3/8     | 0.70 | 51 x 51 x 9.5    | 41.3  | 191.4 | 11/16  | 1-1/8      | 1-7/16 | 1-7/8   | 2-5/16  |
| x 5/16           | 0.59 | x 7.9            | 34.8  | 227.1 | 11/16  | 1-1/8      | 1-9/16 | 2-7/16  | 3-3/16  |
| x 1/4            | 0.48 | x 6.4            | 28.3  | 279.1 | 1-1/8  | 1-11/16    | 2-1/4  | 3-5/16  | NR      |
| x 3/16           | 0.37 | x 4.8            | 21.8  | 362.1 | 1-1/4  | 1-13/16    | 2-5/16 | 3-9/16  | NR      |