

# Marino\WARE® Product Submittal Data

**PRODUCT NAME:** 2 X 2 UTILITY ANGLE

**MARINO\WARE PART #** 200CJ18

## PROPERTIES:

|                         |                 |                                  |        |
|-------------------------|-----------------|----------------------------------|--------|
| <b>Leg A (in)</b>       | 2               | <b>Yield Strength Fy (KSI)</b>   | 33     |
| <b>Leg B (in)</b>       | 2               | <b>Tensile Strength Fu (KSI)</b> | 45     |
| <b>Mils</b>             | 43              | <b>Design Thickness (in)</b>     | 0.0451 |
| <b>Available Finish</b> | G40, G60 or G90 | <b>Minimum Thickness (in)</b>    | 0.0428 |
|                         |                 | <b>Gauge</b>                     | 18     |

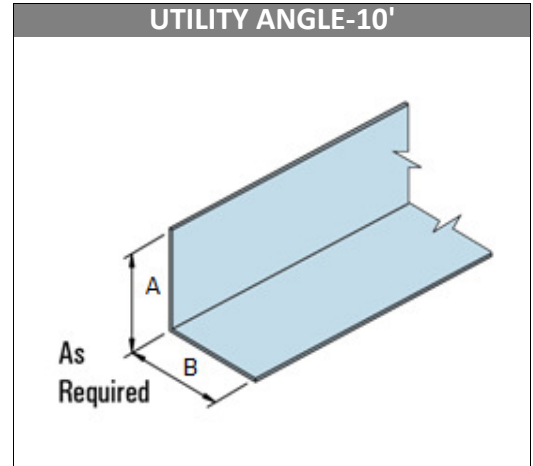
## SECTION PROPERTIES

### GROSS SECTION PROPERTIES

|  |          |
|--|----------|
| Cross Sectional Area: <b>A</b> (in <sup>2</sup> )                | 0.17655  |
| Weight of Member: <b>(lb/ft)</b>                                 | 0.60027  |
| Moment of Inertia: <b>I<sub>x</sub></b> (in <sup>4</sup> )       | 0.11626  |
| Section Modulus: <b>S<sub>x-t</sub></b> (in <sup>3</sup> )       | 0.082207 |
| Section Modulus: <b>S<sub>x-b</sub></b> (in <sup>3</sup> )       | 0.082207 |
| Gross Section Modulus: <b>S<sub>y-l</sub></b> (in <sup>3</sup> ) | 0.040773 |
| Gross Section Modulus: <b>S<sub>y-r</sub></b> (in <sup>3</sup> ) | 0.039764 |
| Gross Moment of Inertia: <b>I<sub>y</sub></b> (in <sup>4</sup> ) | 0.02814  |

## 05.40.00 Cold-Formed Metal Framing

### UTILITY ANGLE-10'



## CODES & STANDARDS

- AISI S100-07, IBC 2009 compliant
- ASTM C 955 (33 mil - 118 mil) & ASTM C 645 (18 mil - 33 mil) compliant
- Galvanized steel sheet meets ASTM A 1003 & A 653

## GREEN INFO LEED® v3

Available LEED® points in the following categories:

- MR Credit 2 - Construction Waste Management (1-2 points)
- MR Credit 4 - Recycled Content (1-2 points)
- MR Credit 5 - Regional Materials (1-2 points)
  
- Total Recycled Content: 34.9%
- Post Consumer Content: 24.3%
- Pre Consumer (Post Industrial) Content: 9.4%



For more information, please contact Marino\WARE Technical Services at 866-545-1545.

This technical information reflects the most current information available and supersedes any and all publications, effective 10/1/2011  
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