

# Marino\WARE® Product Submittal Data

**PRODUCT NAME:** 5 X 5 UTILITY ANGLE

**MARINO\WARE PART #** CJ

**PROPERTIES:**

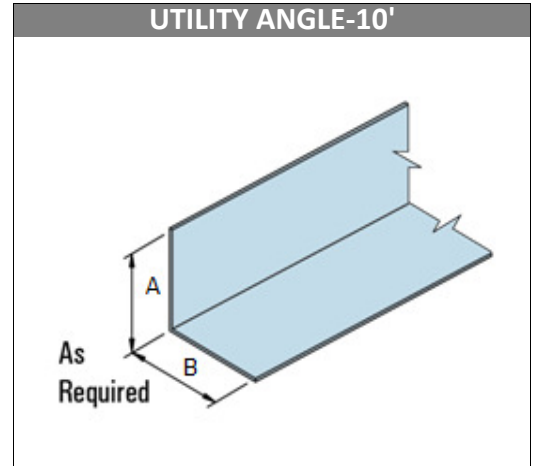
<b>Leg A (in)</b>	5	<b>Yield Strength Fy (KSI)</b>	33
<b>Leg B (in)</b>	5	<b>Tensile Strength Fu (KSI)</b>	45
<b>Mils</b>	33	<b>Design Thickness (in)</b>	0.0346
<b>Available Finish</b>	G40, G60 or G90	<b>Minimum Thickness (in)</b>	0.0329
		<b>Gauge</b>	20

**SECTION PROPERTIES**

**GROSS SECTION PROPERTIES**

Cross Sectional Area: <b>A</b> (in <sup>2</sup> )	0.34341
Weight of Member: <b>(lb/ft)</b>	1.1676
Moment of Inertia: <b>Ix</b> (in <sup>4</sup> )	1.4268
Section Modulus: <b>Sx-t</b> (in <sup>3</sup> )	0.40355
Section Modulus: <b>Sx-b</b> (in <sup>3</sup> )	0.40355
Gross Section Modulus: <b>Sy-l</b> (in <sup>3</sup> )	0.20161
Gross Section Modulus: <b>Sy-r</b> (in <sup>3</sup> )	0.19940
Gross Moment of Inertia: <b>Iy</b> (in <sup>4</sup> )	0.3523

**09.22.16 Non Structural Metal Framing**  
**05.40.00 Cold-Formed Metal Framing**



**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  
 © Copyright 2011 by Ware Industries, Inc. All rights reserved