

# SmartSpec Submittal

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Product Name: 1-5/8" SmartTrack 30mil 2" Legs

**Description:** 162ST200-30

# **Physical Properties**

Web Depth (in)	1.625	Yield Stress Fy (KSI)	33
Leg Length (in)	2.00	Mils	30
Standard Coating	G40	Design Thickness (in)	0.0312
Weight (lb/ft)	0.600	Minimum Thickness (in)	0.0296
		Gauge	20

# **Section Properties**

Cross Sectional Area (A)	0.176 in <sup>2</sup>
Moment of Inertia (Ix)	0.106 in <sup>4</sup>
Radius of Gyration (Rx)	0.778 in
Gross Moment of Inertia (Iy)	0.596 in <sup>4</sup>
Gross Radius of Gyration (Ry)	0.660 in

# **Effective Section Properties**

Moment of Inertia for Deflection (Ixe)	0.068 in <sup>4</sup>
Section Modulus (Sxe)	$0.055 \text{ in}^3$
Allowable Bending Moment (Ma)	1.090 in-k

### **Torsional Properties**

St. Venant Torsion Constant (Jx1000)	0.0571 in
Warping Constant (Cw)	0.0431 in <sup>6</sup>
Distance from Shear Center to Neutral Axis (Xo)	-1.560 in
Radii of Gyration (Ro)	1.869 in
Torsional Flexural Constant (Beta)	0.299

# SmartTrack 09.22.16 Non-Structural Metal Framing

# **MANUFACTURING Codes & Standards**

- NASPEC AISI S100-07 IBC 2009 2012 Compliant
- Coated in accordance to ASTM A1003 & A653
- Meets or exceeds ASTM C645 & C745 & AISI S220
- Multiple UL Design Listings including U419
- 3rd Party Code Evaluation Report ICC-ESR #3943
- US Patent No. D618,365S

# **GREEN Benefits & LEED Data:**

- LEED Credit MR 2 Construction Waste Mgmt 1-2 Points
- LEED Credit MR 4 Recycled Credit 1-2 Points
- LEED Credit MR 5 Regional Materials 1-2 Points
- CRACO products are 100% recyclable
- Contact Technical Services for more information

For more information, please contact CRACO Technical Services Department at 803-389-4425 or smartframe@cracometals.com CRACO Mfg., Inc. located at 1122 Johnson Road - York, South Carolina 29745 Copyright 2017 by CRACO Mfg., Inc. All rights reserved