

**Product Name:** 1-5/8" SmartTrack 23mil

**Description:** 162ST125-23

### Physical Properties

Web Depth (in)	1.625	Yield Stress Fy (KSI)	50
Leg Length (in)	1.25	Mils	23
Standard Coating	G40	Design Thickness (in)	0.0245
Weight (lb/ft)	0.340	Minimum Thickness (in)	0.0233
		Gauge EQ	20

### Section Properties

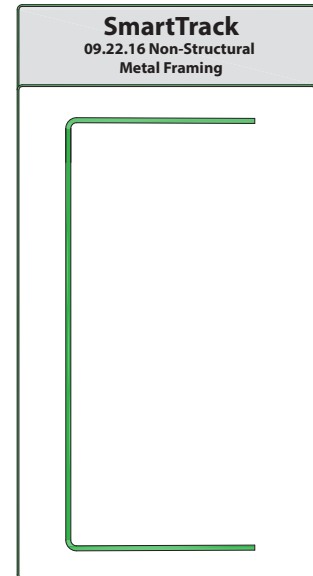
Cross Sectional Area (A)	0.101 in <sup>2</sup>
Moment of Inertia (Ix)	0.053 in <sup>4</sup>
Radius of Gyration (Rx)	0.728 in
Gross Moment of Inertia (Iy)	0.017 in <sup>4</sup>
Gross Radius of Gyration (Ry)	0.410 in

### Effective Section Properties

Moment of Inertia for Deflection (Ixe)	0.041 in <sup>4</sup>
Section Modulus (Sxe)	0.035 in <sup>3</sup>
Allowable Bending Moment (Ma)	0.690 in-k

### Torsional Properties

St. Venant Torsion Constant (Jx1000)	0.020 in <sup>4</sup>
Warping Constant (Cw)	0.009 in <sup>6</sup>
Distance from Shear Center to Neutral Axis (Xo)	-0.875 in
Radii of Gyration (Ro)	1.210 in
Torsional Flexural Constant (Beta)	0.477



### 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