

Product Name: 4" SmartTrack 18mil
Description: 400ST125-18

Physical Properties

Web Depth (in)	4.00	Yield Stress Fy (KSI)	33
Leg Length (in)	1.25	Mils	18
Standard Coating	G40	Design Thickness (in)	0.0188
Weight (lb/ft)	0.410	Minimum Thickness (in)	0.0179
		Gauge	25

Section Properties

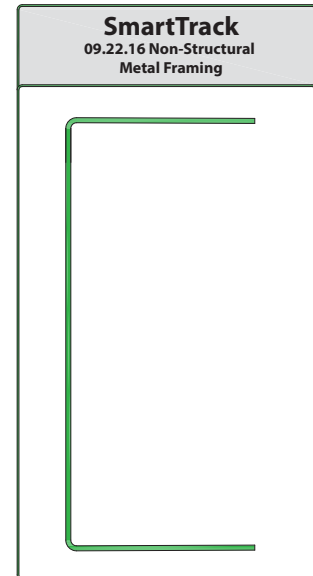
Cross Sectional Area (A)	0.122 in ²
Moment of Inertia (Ix)	0.297 in ⁴
Radius of Gyration (Rx)	1.560 in
Gross Moment of Inertia (Iy)	0.017 in ⁴
Gross Radius of Gyration (Ry)	0.374 in

Effective Section Properties

Moment of Inertia for Deflection (Ixe)	0.241 in ⁴
Section Modulus (Sxe)	0.072 in ³
Allowable Bending Moment (Ma)	1.42 in-k

Torsional Properties

St. Venant Torsion Constant (Jx1000)	0.014 in ⁴
Warping Constant (Cw)	0.052 in ⁶
Distance from Shear Center to Neutral Axis (Xo)	-0.637 in
Radii of Gyration (Ro)	1.726 in
Torsional Flexural Constant (Beta)	0.864



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