Product Name: 400SLT300-30



Product Category: 09.22.16 - Non-Structural Metal Framing

Available Finish:	G40, G60	Gross Section Properties		
*Other standard coatings referenced in ASTM A1003 Web Depth: 4 in			0.31	
Flange Width:	3 in	Moment of inertia (Ix) Section Modulus (Sx) Radius of gyration (Rx)	0.00	
Slot Width: Design Thickness:	2 in 0.0312 in			
Gauge:	30 mils or 20G	Gross moment of inertia (Iy) Gross Radius of gyration (Ry)	0.95 1.75	
Yield stress, Fy: Weight:	33 ksi 1.061 lb/ft			

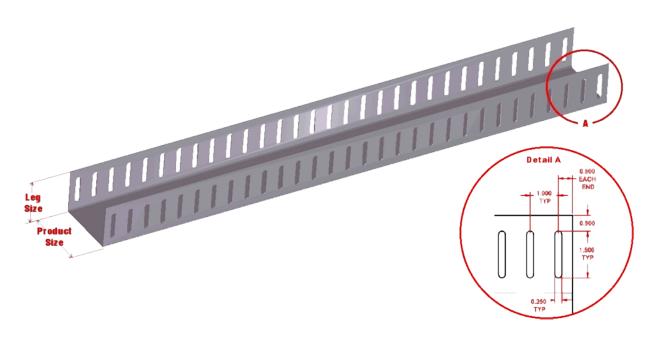
- Gross properties calculated at the gross section, away from slots.
- Web depth taken as nominal depth + (2 x thickness) + inside corner radius.
- Effective properties based on the 2007 NASPEC with 2010 Supplement and the following: net flange on tension side; effective flange on compression side, ignoring steel below the slot; effective web per NASPEC B2.3; Ω b = 2.0 per AISI S100-16/S2-20, A1.2; meets the requirements of the IBC 2021 Building Code.
- Effective properties are not available for 6" x 18-mil products. Web h/t > 260.

Effective Section Properties

Moment of inertia for deflection (Ix)	
Section modulus (Sx)	0.142 in ³
Allowable bending moment (Ma)	
Allowable bending moment from distortional buckling (Mad)	
Allowable strong axis shear away from punch-out (Vag)	
Allowable strong axis shear at punch out (Vanet)	

Torsional Properties

St. Venant torsion constant (J x 1000)	NA in ⁴
Warping constant (Cw)	NA in ⁶
Distance from shear center to neutral axis (Xo)	
Distance from shear center to mid-plane of web (m)	NA in
Radii of gyration (Ro)	NA in
Torsional flexural constant (β)	NA



0.312 in²
0.305 in⁴
0.000 in³
0.989 in
0.956 in⁴
1.751 in

Additional Information

MRI Steel Framing, LLC is an SFIA member. MRI acts in accordance with the product and quality standards required by the SFIA program. MRI meets or exceeds ASTM C645, A653, and A1003.

Current LEED credits available upon request