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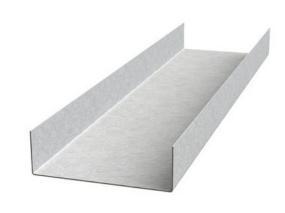
## Structural Track 400t300-43G90

Product Description	18 GA GALV 4.00" WEB X 3.00" FLANGE TRACK .043 MIN GAUGE G90
Coating	G90
Physical Properties	
Design Thickness (in)	0.0451
Minimum Thickness (in)	0.0428
Web Width (in)	4
Flange Width (in)	3
Yield Strength (ksi)	33

Gross Section Properties	
Cross Sectional Area (A)	—
Weight of Member (lb/ft)	—
Section Modulus (Sx)	—
Moment of Inertia (lx)	—
Radius of Gyration (Rx)	—
Gross Moment of Inertia (ly)	—
Gross Radium of Gyration (Ry)	—

Effective Section Properties	
Moment of Inertia for deflection (lxe)	—
Section Modulus (Sxe)	—
Allowable Bending moment (Ma)	—
Allowable shear force in web (U)(Vag)	—

Torsional Properties	
St. Venant torsion constant (J x 1000)	—
Warping constant (Cw)	—
Distance from shear center to neutral axis (Xo)	—
Radii of gyration (Ro)	—
Torsional flexural constant (Beta)	—



## **ASTM & Code Standards**

- AISI \$100-12 & ICC ES ESR-4062
- Framing meets ASTM A1003, A653 & C955

## Notes

- Calculated properties are based on AISI S100-16, North American Specification for Design of Cold-Formed Steel Structural Members.
- 2. The centerline bend radius is based on inside corner radii shown in thickness chart.
- 3. Effective properties incorporate the strength increase from the cold work of forming as applicable per AISI A3.3.2.
- 4. Tabulated gross properties are based on full-unreduced cross section of the studs, away from punchouts.
- 5. For deflection calculations, use the effective moment of inertia.
- 6. Allowable moment includes cold-work of forming.
- 7. Web depth for track sections is equal to the nominal height plus 2 times the design thickness plus the bend radius. Hems on non-structural rack sections are ignored.

## **Mill Steel Framing LEED Green Credits**

MR Credit 2	<ul> <li>ConstructionWaste Management – Mill Steel Framing steel framing is 100% recyclable</li> </ul>
MR Credit 4	• Recycled Content – Mill Steel Framing products contain no less than 25.5% post-consumer
	and 6.8% pre-consumer recycled content
MR Credit 5	• Regional Materials – Mill Steel Framing has manufacturing facilities in Indiana, Alabama & Texas
V4 MR Credits	Building Product Disclosure and Optimization EPD (1 point)
	• Materials Ingredients (1 point) – Construction and Demolition Waste Management (1 point)

