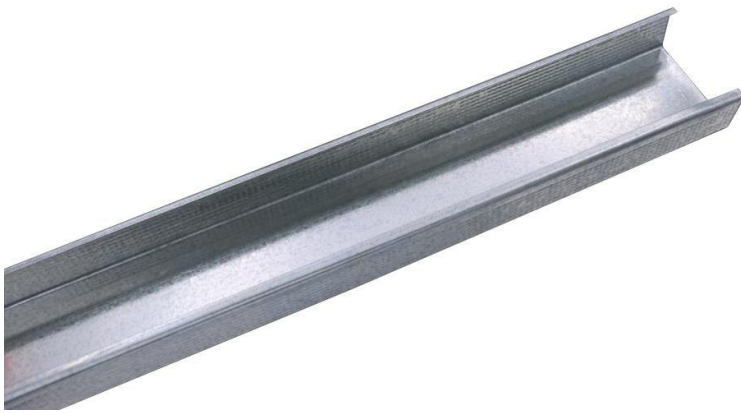


# Product Submittal Sheet



\*Picture is reference only; it may differ from the actual product

Product Category: Structural Track

Product Name: U- Shaped Channel

Member: 250T125-43 S

KSI: 33

Coating: G60

## Geometric Category:

Web Depth	Flange Width	Design Thickness	Yield Stress, Fy	Weight	Minimum Thickness
2 1/2 in	1 1/4 in	0.0451 in	33 KSI	0.77 LB/FT	0.0428 in

## Gross Section Properties of Full Section, Strong Axis

Moment of Inertia (Ix)	Section Modulus (Sx)	Section Modulus (Rx)	Gross Moment of Inertia (Iy)	Gross Radius of Gyration (Ry)
0.250 in <sup>4</sup>	0.188 in <sup>3</sup>	1.055 in	0.036 in <sup>4</sup>	0.395 in <sup>4</sup>

## Effective Section Properties, Strong Axis

Moment of Inertia for Deflection (Ixe)	Section Modulus (Sxe)	Allowable Bending Moment (Ma)	Allowable Shear Force in Web (Unpunched) (Vag)
.231 in <sup>4</sup>	0.147 in <sup>3</sup>	2.91 in-k	1358 LB

## ASTM STANDARDS AND COMPLIANCE CODES

AISI S 100-16 y AISI S240-15

Meets or exceeds ASTM C955 & C754

ASTM C653, A 924/A924 & A 1003

STUD Complies with the SFIA Code Compliance Certification Program

SDS & Product Certification Information Available at [www.panelrey.com](http://www.panelrey.com)

2018 IBC

## Notes

- 1.- Calculated properties are based on AISI S100-16, "North American Specification for Design of Cold-Formed Structural Members".
- 2.- The centerline bend radius is based upon inside standard corner radii.
- 3.- Effective properties incorporate the strength increase from the cold work of forming as applicable per AISI A 3.3.2.
- 4.- Tabulated gross properties, including torsional properties are based upon 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.- For the steels that have both 33 and 50 ksi listing, if the design is based upon 50 ksi, the 50 ksi steel needs to be specified. (Example: 3625S137 16-50 (50 ksi)).
- 8.- Web depth for tracks sections is equal to the nominal stud width plus 2 times the design thickness plus the bend radius. Hems on nonstructural track sections are ignored.

## LEED CREDITS

Leed v4 MR. Raw Material Supply.

Leed v4 MR. Construction and Demolition Waste Management.

Leed v3 MR2. Construction Waste Management. The steel used is 100 % recyclable.

Leed v3MR4. Recycled Content. The steel used in the profiles has a minimum of

Total recycled content: 49%

Post-Consumer recycled content: 37%

Prec-Consumer recycled content: 12%

PROJECT INFORMATION	CONTRACTOR INFORMATION	ARCHITECT INFORMATION
Name:	Name:	Name:
Address:	Contact:	Contact:
	Phone:	Phone:
	Fax:	Fax: