

Product Submittal Sheet



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

Product Category: NON Structural Stud
 Product Name: C- Shaped Framing Member
 Member: 162S125-19 NS (20eq)
 KSI: 60
 Coating: G40

Product Data:

Web Depth	Flange Width	Stiffening Lip	Design Thickness	Yield Stress, Fy	Weight	Minimum Thickness
1 5/8 in	1 1/4 in	3/16 in	0.0203 in	60 KSI	0.27 LB/FT	0.0193 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)
0.041 in ⁴	0.050 in ³	0.684 in	0.017 in ⁴	0.439 in ⁴

*Expected Behaviour

Effective Section Properties, Strong Axis*

Moment of Inertia for Deflection (Ixe)	Section Modulus (Sxe)	Allowable Bending Moment (Ma)	Allowable Bending Moment (Mad)	Allowable Shear Force in Web (Unpunched) (Vag)	Allowable Shear Force in Web (Punched) (Vanet)
0.034 in ⁴	0.037 in ³	1.14 in-k	1.09 in-k	525 LB	313 LB

*Expected Behaviour

ASTM STANDARDS AND COMPLIANCE CODES

AISI S 100-16 y AISI S240-15
 Meets or exceeds ASTM C645 & 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
 2018 IBC



www.panelrey.com
 1800 862 9022

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 A3.3.2.
- 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%

Pre-Consumer recycled content: 12%

Fire Resistance

Panel Rey® framing members are classified by Underwriters Laboratories, Inc. pursuant to ASTM E-119.



Fire Resistance Classification
Type SUPRA Stud 20EQ/19 mil

UL File R41041

UL 263 "Fire Test of Building Construction and Material"

See UL Directory of Products Certified and UL Fire Resistance Directory

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