

Product Name: 250CTSTUD25 **AISI Nomenclature:** n/a
Product Category: Nonstructural Metal Stud Framing: Specification Section 09 22 16
Product Desc: 2-1/2 inch deep 25 CT Shaft wall stud; Includes cavity for 1 inch gypsum liner panel with tabs at 18 inch o.c. Has 1 inch diameter punchouts for wiring.
Available Coatings: G40 (standard); G60, or G90.
Thickness: Design = 0.0188 inch • Minimum = 0.0179250 inch • Mil = 18 mils • Gauge = 25
Flange width: 1-3/8 inch (front flange) • 1-5/8 inch (back flange) • Web Depth: 2-1/2 inch • Lip length: 1/4 inch

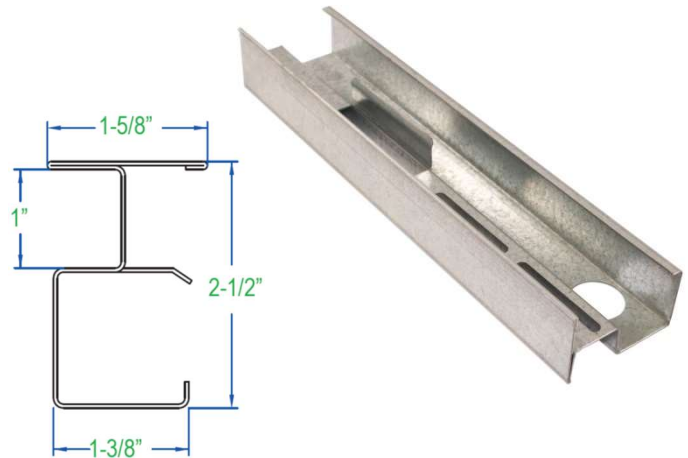
SECTION PROPERTIES

Gross Section Properties:

Cross Section Area (**A**): 0.118 in²
Member Weight: 0.47 pounds per foot
Moment of Inertia, strong axis (**I_x**): 0.132 in⁴
Section Modulus "C" flange (**S_{x c}**): 0.0950 in³
Section Modulus "T" flange (**S_{x t}**): 0.1180 in³

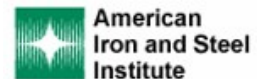
CODES & STANDARDS

Super Stud products comply with the applicable provisions of the following:
International Building Code (IBC) 2006 - 2015
Sheet Steel: ASTM A1003 & ASTM A653
Galvanized Coating: ASTM A653
Members & Tolerances: ASTM C645
Meets ASTM C754 when installed properly in structure



COMPOSITE LIMITING HEIGHTS (feet – inches)

	Deflection Limit	Uniform Load in pounds per square foot (psf,) limiting heights in feet – inches ¹ .							
		1-hour assemblies				2- and 3-hour assemblies			
		5 psf	7.5 psf	10 psf	15 psf	5 psf	7.5 psf	10 psf	15 psf
250CTSTUD25	L/120	14' 2"	12' 5"	11' 3"	9' 4"	15' 6"	13' 3"	11' 6"	9' 5"
	L/180	12' 5"	10' 10"	9' 10"	8' 7"	13' 7"	11' 10"	10' 9"	9' 5"
	L/240	11' 3"	9' 10"	8' 11"	7' 10"	12' 4"	10' 9"	9' 9"	8' 6"
	L/360	9' 10"	8' 7"	7' 10"	6' 10"	10' 9"	9' 5"	8' 6"	7' 6"



¹ Limiting heights are based on Warnock Hersey test reference WHI-495-TRL-0206/0225, issued August 4, 1995. Values based on deflection limits with adjustment to conform to a minimum safety factor of 1.5 for ultimate ending strength and end reaction.

The Super Stud Building Products Family of Companies

