

Product Name: 250CTSTUD20 **AISI Nomenclature:** n/a
Product Category: Nonstructural Metal Stud Framing: Specification Section 09 22 16
Product Desc: 2-1/2 inch deep 20 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 = 0.0346 inch • Minimum = 0.0329250 inch • Mil = 33 mils • Gauge = 20
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

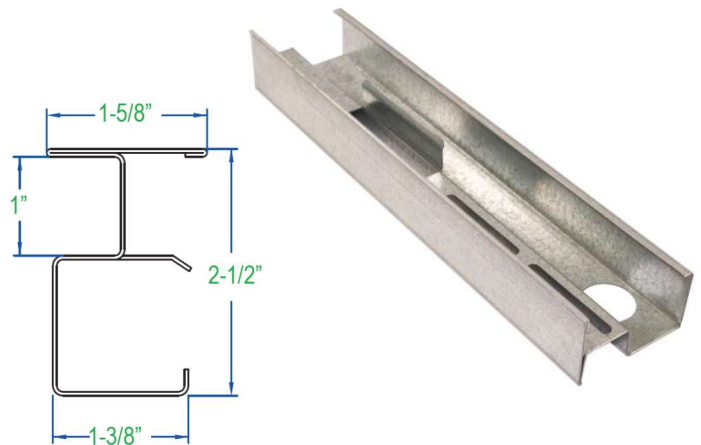
SECTION PROPERTIES

Gross Section Properties:

Cross Section Area (**A**): 0.218 in²
 Member Weight: 0.82 pounds per foot
 Moment of Inertia, strong axis (**I_x**): 0.242 in⁴
 Section Modulus "C" flange (**S_{x c}**): 0.1750 in³
 Section Modulus "T" flange (**S_{x t}**): 0.2170 in³

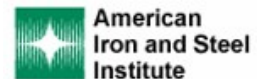
CODES & STANDARDS

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
250CTSTUD20	L/120	15' 10"	13' 10"	12' 6"	10' 11"	17' 4"	15' 1"	13' 9"	12' 0"
	L/180	13' 10"	12' 1"	10' 11"	9' 7"	15' 1"	13' 2"	12' 0"	10' 6"
	L/240	12' 6"	10' 11"	9' 11"	8' 8"	13' 9"	12' 0"	10' 11"	9' 6"
	L/360	10' 11"	9' 7"	8' 8"	7' 7"	12' 0"	10' 6"	9' 6"	8' 4"



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