	Sales:(888)24 Fax:(847)680- www.mbastu	7883	S	ubmi	ttal	Data	– Drv	/wall	Track
Member Designator	550PT25				Y				
Coating	CP40, G40					\uparrow]		
Physical Properties									
Design Thickness	0.019 in			Tr	nside				
Mil	18mil			V	Veb		— Х		
Gauge	20 Gauge			V	Vidth				
Web Width	5.50 in								
Flange Width	2.50 in								
Yield Strength	50 ksi								
						<	Leg		
							Length		
			1						
			I						
	Area	Weight	İx	Rx	ly	Ry	7		
Gross Properties	Area (in ²)	Weight (lb/ft)	lx (in ⁴)	Rx (in)	ly (in⁴)	Ry (in)			
Gross Properties		-	(in ⁴)		•	(in)	5		
Gross Properties	(in ²)	(lb/ft)	(in ⁴)	(in)	(in⁴)	(in)	5		
Gross Properties	(in ²)	(lb/ft)	(in ⁴)	(in)	(in⁴) 0.126	(in)	5		
	(in ²) 0.199	(lb/ft) 0.68	(in⁴) 0.997	(in) 2.236 M	(in ⁴) 0.126 a	(in)	5		
Gross Properties Effective Properties	(in ²) 0.199 Ae	(lb/ft) 0.68	(in ⁴) 0.997 Sx (in ³)	(in) 2.236 M (in-l	(in ⁴) 0.126 a bs)	(in) 0.795 Va _g	5		
	(in ²) 0.199 Ae (in ²)	(lb/ft) 0.68 Ix (in ⁴)	(in ⁴) 0.997 Sx (in ³)	(in) 2.236 M (in-l	(in ⁴) 0.126 a bs)	(in) 0.795 Va _g (lb)	5		
	(in ²) 0.199 Ae (in ²)	(lb/ft) 0.68 Ix (in ⁴)	(in ⁴) 0.997 Sx (in ³)	(in) 2.236 M (in-l	(in ⁴) 0.126 a bs)	(in) 0.795 Va _g (lb)	5		
	(in ²) 0.199 Ae (in ²) 0.03	(lb/ft) 0.68 Ix (in ⁴) 0.463	(in ⁴) 0.997 Sx (in ³) 3 0.077	(in) 2.236 M (in-l 7 232	(in ⁴) 0.126 a bs) 15	(in) 0.795 Va _g (lb) 112	5		

General Notes

- 1. Calculated properties are based on AISI S100-12, North American Specification for Design of Cold-Formed Steel Structural Members and AISI S220-15, North American Standard for Cold-Formed Steel Framing - Nonstructural Members.
- 2. Effective properties incorporate the strength increase from the cold work of forming as applicable per AISI A7.2.
- 3. Allowable moment includes cold-work of forming.
- 4. Tabulated gross properties including torsional 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 is taken as the lowest value based on local or distortional buckling. Distortional buckling strength is based on a k-phi = 0.
- 7. Drywall framing members have a protective coating conforming to ASTM spec A 653/A 653M, G-40 min, or equivalent corrosion resistance.
 - 8. Reference ASTM specification A 1003/A 1003 M table 1 for the universe of allowable coatings for light gauge steel framing.
 - 9. Drywall framing members are marked with product information per the requirements of ASTM C 645 section 14.
 - 10. All delivered material must be kept dry. If it is necessary to store material outside, it must be stacked off the ground, properly supported on a level platform, and fully protected from the weather. Reference ASTM C 754 section 8 and ASTM C 1007 section 4.
 - 11. Drywall framing [nonstructural 25 gauge, 22 gauge and 20 gauge] is not permitted in load bearing (i.e. axial load greater than 200 lbs.) or exterior applications (i.e. transverse load greater than 10 PSF). Reference ASTM C 645 section 3.2.2.

LEED Green Building Credits

LEED v4 MR Credit - Building Product Disclosure Optimization: EPD (1 Point), Raw Material Sourcing (1 Point), Material Ingredients (1 Point), Construction and Demolition Waste (up to 2 points), Innovation Credit (up to 2 points)

LEED 2009 Credit - MBA steel products are 100% recyclable with a minimum recycle content of 32.7% (25.5% Post-Consumer and 6.8% Pre-Consumer/Post-Industrial). Higher rates can be achieved for MR5 by pre-planning with MBA sales@mbastuds.com or (888) 248-8076.



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