

Sales: (888)248-8076 Fax: (847)680-7883 www.mbastuds.com

Member Designator Coating	400PT300-33 G40 EQ	Y T
Physical Properties		
Design Thickness	0.0346 in	Inside
Mil	33 mil	Web X
Gauge	20 Gauge	Width
Web Width	4.00 in	
Flange Width	3.00 in	
Yield Strength	33 ksi	
		Leg Leg

		Gross Properties					
Gross Properties	Area	Weight	lx	Sx	Rx	ly	Ry
	(in ²)	(lb/ft)	(in⁴)	(in³)	(in)	(in ⁴)	(in)
	0.346	1.176	1.045	0.508	1.738	0.338	0.989

Effective Properties				
Ae lxe		Sxe	Ma	
(in ²)	(in ⁴)	(in ³)	(in-lbs)	
0.109	0.671	0.210	4158	

Effective Properties

		Forsional		
J ^{×1000}	Cw	Хо	Ro	β
(in ⁴)	(in ⁶)	(in)	(in)	
0.138	0.988	-2.105	2.904	0.474

General Notes

- 1. MBA Building Supplies is a SSMA member company. MBA adheres to the product standards and quality standards as required by SSMA.
- Physical properties and load tables have been calculated in conformance with the 2001 NASPEC for the Design of Cold-Formed Steel Structural Members, including the 2004 Supplement, and the IBC 2006, unless noted otherwise.
- 3. Allowable composite heights are calculated using ICC-ES AC86-2010. The 1/3 stress increase was not used.
- 4. Drywall framing members have a protective coating conforming to ASTM spec A 653/A 653M, G-40 min, or equivalent corrosion resistance.
- 5. Reference ASTM specification A 1003/A 1003 M table 1 for the universe of allowable coatings for light gauge steel framing.
 - 6. Drywall framing members are marked with product information per the requirements of ASTM C 645 section 14.
 - All delivered material must be kept dry, preferably by being stored inside a building under a roof. 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.
 - 8. 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

MR Credit 2: Construction Waste Management – MBA steel framing is 100% recyclable.

MR Credit 4: Recycled Content – MBA steel framing is formed from no less than 25.5% post-consumer and 6.8% pre-consumer recycled content. MR Credit 5: Regional Materials – MBA has manufacturing facilities in Illinois and Alabama.

