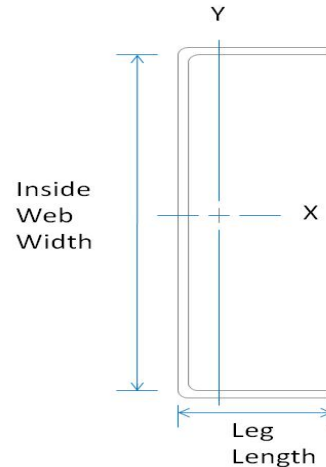


Member Designator 1000T300-97

Coating CP60

Physical Properties

Design Thickness 0.1017 in
 Mil 97 mil
 Gauge 12 Gauge
 Inside Web Width 10.00 in
 Leg Length 3.00 in
 Yield Strength 33 ksi



Gross Properties

| Gross Properties | | | | | | |
|----------------------------|-------------------|--------------------------------------|--------------------------------------|------------------------|--------------------------------------|------------------------|
| Area (in ²) | Weight (lb/ft) | I _x (in ⁴) | S _x (in ³) | R _x (in) | I _y (in ⁴) | R _y (in) |
| 1.625 | 5.53 | 24.434 | 4.719 | 3.878 | 1.257 | 0.879 |

Effective Properties

| Effective Properties (33ksi) | | | |
|---------------------------------------|---------------------------------------|--------------------------|-------------------------|
| I _{xe} (in ⁴) | S _{xe} (in ³) | M _a (in-k) | V _{ag} (lb) |
| 22.485 | 3.798 | 75.04 | 8843 |

Torsional Properties

| Torsional | | | | | |
|--|--------------------------------------|------------------------|-----------|------------------------|-------|
| J ^{x1000} (in ⁴) | C _w (in ⁶) | X _o (in) | m (in) | R _o (in) | β |
| 5.602 | 24.009 | -1.478 | 0.934 | 4.242 | 0.879 |

General Notes

- 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.
- Drywall framing members have a protective coating conforming to ASTM spec A 653/A 653M, G-40 min, or equivalent corrosion resistance.
- Reference ASTM specification A 1003/A 1003 M table 1 for the universe of allowable coatings for light gauge steel framing.
- 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.
- 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 multiple states.