

Member Designator **600T200-54**

Coating CP60

Physical Properties

Design Thickness 0.0566 in
 Mil 54 mil
 Gauge 16 Gauge
 Inside Web Width 6.00 in
 Leg Length 2.00 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) |
| 0.565 | 1.92 | 3.145 | 1.015 | 2.359 | 0.203 | 0.600 |

Effective Properties

| Effective Properties (33ksi) | | | |
|---------------------------------------|---------------------------------------|--------------------------|-------------------------|
| I _{xe} (in ⁴) | S _{xe} (in ³) | M _a (in-k) | V _{ag} (lb) |
| 2.759 | 0.759 | 15.00 | 2728 |

Torsional Properties

| Torsional | | | | | |
|------------------------------------------|--------------------------------------|------------------------|-----------|------------------------|-------|
| J ^{x1000} (in ⁴) | C _w (in ⁶) | X _o (in) | m (in) | R _o (in) | β |
| 0.604 | 1.381 | -1.038 | 0.649 | 2.646 | 0.846 |

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.
- All structural framing members have a protective coating conforming to ASTM C 955.
- Reference ASTM specification A 1003/A 1003 M table 1 for the universe of allowable coatings for light gauge steel framing.
- Stud/joists are manufactured to custom lengths. Stud/joists are manufactured with punched webs unless otherwise specified at time of order.
- Track is produced in standard lengths of 10 feet unless a custom track length is indicated. Track is manufactured with unpunched webs.
- Structural framing members are marked with product information per the requirements of ASTM C 955 section 12.
- 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.

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.