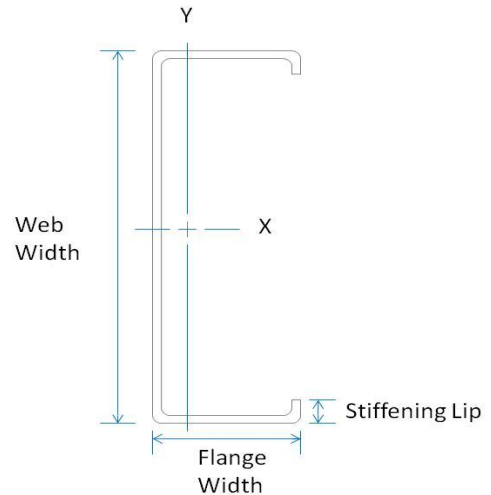


**Member Designator 600JS300-68**

Coating CP60

**Physical Properties**

Design Thickness 0.0713 in  
 Mil 68 mil  
 Gauge 14 Gauge  
 Web Width 6.00 in  
 Flange Width 3.00 in  
 Stiffening Lip 1.00 in  
 Yield Strength 50 ksi



**Gross Properties**

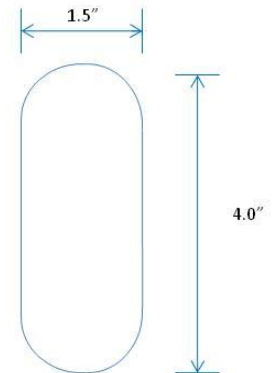
| Area<br>(in <sup>2</sup> ) | Weight<br>(lb/ft) | I <sub>x</sub><br>(in <sup>4</sup> ) | S <sub>x</sub><br>(in <sup>3</sup> ) | R <sub>x</sub><br>(in) | I <sub>y</sub><br>(in <sup>4</sup> ) | R <sub>y</sub><br>(in) |
|----------------------------|-------------------|--------------------------------------|--------------------------------------|------------------------|--------------------------------------|------------------------|
| 0.961                      | 3.27              | 5.613                                | 1.871                                | 2.417                  | 1.281                                | 1.155                  |

**Effective Properties**

| I <sub>x</sub><br>(in <sup>4</sup> ) | S <sub>x</sub><br>(in <sup>3</sup> ) | M <sub>a</sub><br>(in-k) | V <sub>ag</sub><br>(lb) |
|--------------------------------------|--------------------------------------|--------------------------|-------------------------|
| 5.613                                | 1.871                                | 51.44                    | 7078                    |

**Torsional Properties**

| J <sup>x1000</sup><br>(in <sup>4</sup> ) | C <sub>w</sub><br>(in <sup>6</sup> ) | X <sub>o</sub><br>(in) | R <sub>o</sub><br>(in) | β     |
|--|--------------------------------------|------------------------|------------------------|-------|
| 1.628                                    | 10.842                               | -2.553                 | 3.701                  | 0.524 |



Structural Punch

**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.