



**Materials & Finishes - Standard:**

- **Pregalvanized (PG):** Conforms to ASTM A653 SS GR 33, G90.
- **Perma-Green (GR):** Steel conforms to ASTM A1011 SS GR 33, E-Coat finish
- **Plain (PL):** Conforms to ASTM A1011 SS GR 33

| Part No. | Length (ft) | Finish | Product Weight / Ft (lbs/ft) |
|----------|-------------|--------|------------------------------|
| P9200    | 20          | PG     | 37.6                         |
| P9200    | 20          | GR     | 37.6                         |
| P9200    | 20          | PL     | 37.6                         |

| Beam Loading - P5501T |                               |                                 |                               |                |                |
|-----------------------|-------------------------------|---------------------------------|-------------------------------|----------------|----------------|
| Span (in)             | Max Allow. Uniform Load (lbs) | Deflection at Uniform Load (in) | Uniform Loading at Deflection |                |                |
|                       |                               |                                 | Span/180 (lbs)                | Span/240 (lbs) | Span/360 (lbs) |
| 24                    | 2,490                         | 0.05                            | 2,490                         | 2,490          | 2,490          |
| 36                    | 1,660                         | 0.12                            | 1,660                         | 1,660          | 1,350          |
| 48                    | 1,250                         | 0.22                            | 1,250                         | 1,140          | 760            |
| 60                    | 1000                          | 0.34                            | 980                           | 730            | 490            |
| 72                    | 830                           | 0.49                            | 680                           | 510            | 340            |
| 84                    | 710                           | 0.67                            | 500                           | 370            | 250            |
| 96                    | 620                           | 0.87                            | 380                           | 290            | 190            |
| 108                   | 550                           | 1.10                            | 300                           | 230            | 150            |
| 120                   | 500                           | 1.37                            | 240                           | 180            | 120            |
| 144                   | 420                           | 1.98                            | 170                           | 130            | 80             |
| 168                   | 360                           | 2.70                            | 120                           | 90             | 60             |
| 192                   | 310                           | 3.47                            | 100                           | 70             | 50             |
| 216                   | 280                           | 4.47                            | 80                            | 60             | NR             |
| 240                   | 250                           | 5.47                            | 60                            | 50             | NR             |
| Note                  | *Load limited by weld shear   |                                 |                               |                |                |

Refer to the General Specifications for loading information.

| Column Loading - P5501T |                                   |                                 |              |             |             |
|-------------------------|-----------------------------------|---------------------------------|--------------|-------------|-------------|
| Unbraced Height (in)    | Allowable Load at Slot Face (lbs) | Max Column Load Applied at C.G. |              |             |             |
|                         |                                   | K=0.65 (lbs)                    | K=0.80 (lbs) | K=1.0 (lbs) | K=1.2 (lbs) |
| 24                      | 4,620                             | 11,120                          | 10,980       | 10,740      | 10,460      |
| 36                      | 4,530                             | 10,770                          | 10,460       | 9,950       | 9,370       |
| 48                      | 4,390                             | 10,300                          | 9,760        | 8,940       | 8,030       |
| 60                      | 4,220                             | 9,720                           | 8,940        | 7,800       | 6,590       |
| 72                      | 4,000                             | 9,050                           | 8,030        | 6,590       | 5,180       |
| 84                      | 3,750                             | 8,320                           | 7,080        | 5,410       | 3,890       |
| 96                      | 3,460                             | 7,560                           | 6,110        | 4,290       | 2,980       |
| 108                     | 3,140                             | 6,770                           | 5,180        | 3,390       | 2,360       |
| 120                     | 2,790                             | 5,990                           | 4,290        | 2,750       | 1,910       |
| 144                     | 2,170                             | 4,510                           | 2,980        | 1,910       | **          |
| 168                     | 1,710                             | 3,320                           | 2,190        | **          | **          |

\*\* = KL/r > 200

NS = Nonsymmetrical Sections Requires Special Analysis / Testing per AISI for Allowable Loads

Refer to the General Specifications for loading information.

\* These materials have different physical properties and performance characteristics. Please [contact us](#) for design support.

|                              |                      |               |                      |
|------------------------------|----------------------|---------------|----------------------|
| <b>Project:</b>              | <input type="text"/> |               |                      |
| <b>Architect / Engineer:</b> | <input type="text"/> |               |                      |
| <b>Date:</b>                 | <input type="text"/> | <b>Phone:</b> | <input type="text"/> |
| <b>Contractor:</b>           | <input type="text"/> |               |                      |
| <b>Address:</b>              | <input type="text"/> |               |                      |
| <b>Notes:</b>                | <input type="text"/> |               |                      |

Approval Stamp: