



**Materials & Finishes - Standard:**

- **Pregalvanized (PG):** Conforms to ASTM A653 SS GR 33, G90.
- **Power-Strut Defender (DF):** Conforms to ASTM A1046 SS GR 33
- **Hot Dip Galvanized (HG):** Steel conforms to ASTM A1011 SS GR 33, Finish conforms to ASTM A123
- **Perma-Green (GR):** Steel conforms to ASTM A1011 SS GR 33, E-Coat finish
- **Perma-Gold (ZD):** Steel conforms to ASTM A1011 SS GR 33, Finish conforms to ASTM B633, Type II SC3
- **Plain (PL):** Conforms to ASTM A1011 SS GR 33

| Part No. | Length (ft) | Finish | Product Weight / Ft (lbs/ft) |
|----------|-------------|--------|------------------------------|
| PS 200 S | 20          | PG     | 1.85                         |
| PS 200 S | 10          | PG     | 1.85                         |
| PS 200 S | 20          | HG     | 1.96                         |
| PS 200 S | 10          | HG     | 1.96                         |
| PS 200 S | 10          | GR     | 1.85                         |
| PS 200 S | 20          | GR     | 1.85                         |
| PS 200 S | 10          | SS     | 1.85                         |
| PS 200 S | 20          | SS     | 1.85                         |
| PS 200 S | 20          | ST     | 1.85                         |
| PS 200 S | 10          | ST     | 1.85                         |

**Materials & Finishes - Special Metals:**

- **Stainless Steel, Type 304 (SS):** ASTM A240, Type 304 \*
- **Stainless Steel, Type 316 (ST):** ASTM A240, Type 316 \*
- **Aluminum (EA):** ASTM B221, Type 6063-T6 (Extruded) \*

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

**Project:**

**Architect / Engineer:**

**Date:**  **Phone:**

**Contractor:**

**Address:**

**Notes:**

**Approval Stamp:**

| Span (in) | Max Allowable Uniform Load (lbs) | Deflection at Uniform Load (in) | Uniform Loading at Deflection |                |                | Lateral Bracing Reduction Factor |
|-----------|----------------------------------|---------------------------------|-------------------------------|----------------|----------------|----------------------------------|
|           |                                  |                                 | Span/180 (lbs)                | Span/240 (lbs) | Span/360 (lbs) |                                  |
| 24        | 1,437                            | 0.06                            | 1,437                         | 1,437          | 1,437          | 1.00                             |
| 36        | 961                              | 0.13                            | 961                           | 961            | 765            | 0.94                             |
| 48        | 723                              | 0.22                            | 723                           | 646            | 425            | 0.88                             |
| 60        | 578                              | 0.35                            | 553                           | 408            | 272            | 0.82                             |
| 72        | 476                              | 0.50                            | 383                           | 289            | 187            | 0.78                             |
| 84        | 408                              | 0.68                            | 281                           | 213            | 136            | 0.75                             |
| 96        | 357                              | 0.89                            | 213                           | 162            | 111            | 0.71                             |
| 108       | 323                              | 1.14                            | 170                           | 128            | 85             | 0.69                             |
| 120       | 289                              | 1.40                            | 136                           | 102            | 68             | 0.66                             |
| 144       | 238                              | 2.00                            | 94                            | 68             | 51             | 0.61                             |
| 168       | 204                              | 2.72                            | 68                            | 51             | 34             | 0.55                             |
| 192       | 179                              | 3.55                            | 51                            | 43             | NR             | 0.51                             |
| 216       | 162                              | 4.58                            | 43                            | 34             | NR             | 0.47                             |
| 240       | 145                              | 5.62                            | 34                            | NR             | NR             | 0.44                             |
| Note      | NR - Not Recommended             |                                 |                               |                |                |                                  |

Refer to the General Specifications for loading information.

| 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                   | 3,550                             | 10,740                          | 9,890        | 8,770       | 7,740       |
| 36                   | 3,190                             | 8,910                           | 7,740        | 6,390       | 5,310       |
| 48                   | 2,770                             | 7,260                           | 6,010        | 4,690       | 3,800       |
| 60                   | 2,380                             | 5,910                           | 4,690        | 3,630       | 2,960       |
| 72                   | 2,080                             | 4,840                           | 3,800        | 2,960       | 2,400       |
| 84                   | 1,860                             | 4,040                           | 3,200        | 2,480       | 1,980       |
| 96                   | 1,670                             | 3,480                           | 2,750        | 2,110       | 1,660       |
| 108                  | 1,510                             | 3,050                           | 2,400        | 1,810       | KL/r>200    |
| 120                  | 1,380                             | 2,700                           | 2,110        | KL/r>200    | KL/r>200    |
| 144                  | 1,150                             | 2,180                           | 1,660        | KL/r>200    | KL/r>200    |

Refer to the General Specifications for loading information.