



**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

**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.

| Part No. | Length (ft) | Finish | Product Weight / Ft (lbs/ft) |
|----------|-------------|--------|------------------------------|
| PS 560   | 20          | PG     | 0.82                         |
| PS 560   | 10          | PG     | 0.82                         |
| PS 560   | 20          | HG     | 0.869                        |
| PS 560   | 10          | HG     | 0.869                        |
| PS 560   | 10          | GR     | 0.83                         |
| PS 560   | 20          | GR     | 0.83                         |
| PS 560   | 10          | PL     | 0.82                         |
| PS 560   | 20          | PL     | 0.82                         |
| PS 560   | 20          | ZD     | 0.82                         |
| PS 560   | 10          | ZD     | 0.82                         |
| PS 560   | 20          | SS     | 0.82                         |
| PS 560   | 10          | SS     | 0.82                         |
| PS 560   | 20          | ST     | 0.82                         |
| PS 560   | 10          | ST     | 0.82                         |
| PS 560   | 10          | EA     | 0.45                         |
| PS 560   | 20          | EA     | 0.45                         |

| Beam Loading - PS 560 |                               |                                 |                               |                |                |                                  |
|-----------------------|-------------------------------|---------------------------------|-------------------------------|----------------|----------------|----------------------------------|
| Span (in)             | Max Allow. 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                    | 410                           | 0.11                            | 410                           | 370            | 250            | 1.00                             |
| 36                    | 270                           | 0.24                            | 220                           | 170            | 110            | 0.94                             |
| 48                    | 200                           | 0.43                            | 120                           | 90             | 60             | 0.88                             |
| 60                    | 160                           | 0.67                            | 80                            | 60             | 40             | 0.83                             |
| 72                    | 140                           | 1.01                            | 60                            | 40             | 30             | 0.79                             |
| 84                    | 120                           | 1.38                            | 40                            | 30             | 20             | 0.75                             |
| 96                    | 100                           | 1.72                            | 30                            | 20             | 20             | 0.72                             |
| 108                   | 90                            | 2.20                            | 20                            | 20             | 10             | 0.69                             |
| 120                   | 80                            | 2.68                            | 20                            | 10             | 10             | 0.66                             |

Refer to the General Specifications for loading information.

| Column Loading - PS 560 |                                   |                                 |              |             |             |
|-------------------------|-----------------------------------|---------------------------------|--------------|-------------|-------------|
| 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                      | 1,630                             | 4,670                           | 4,290        | 3,780       | 3,310       |
| 36                      | 1,450                             | 3,840                           | 3,310        | 2,460       | 1,730       |
| 48                      | 1,160                             | 3,030                           | 2,190        | 1,400       | 970         |
| 60                      | 870                               | 2,120                           | 1,400        | 900         | KL/r>200    |
| 72                      | 670                               | 1,470                           | 970          | KL/r>200    | KL/r>200    |

Refer to the General Specifications for loading information.

**Project:**

**Architect / Engineer:**

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

**Contractor:**

**Address:**

**Notes:**

**Approval Stamp:**