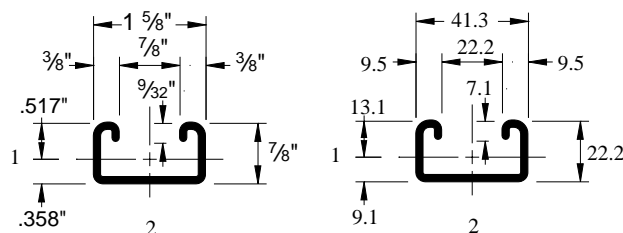
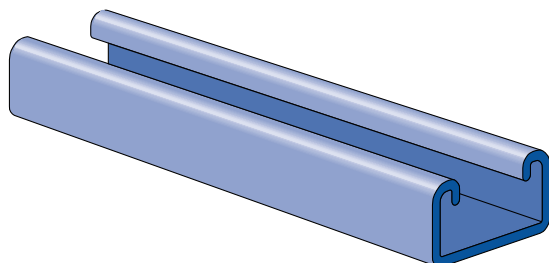


P3300™ & P3301 CHANNELS

FOR 1 5/8" (41 MM) WIDTH SERIES CHANNEL



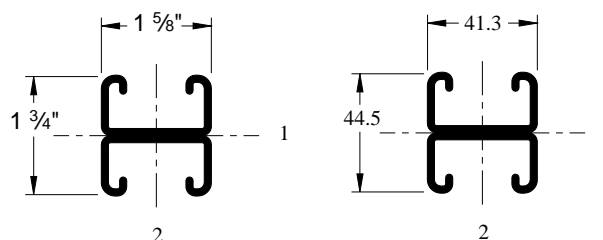
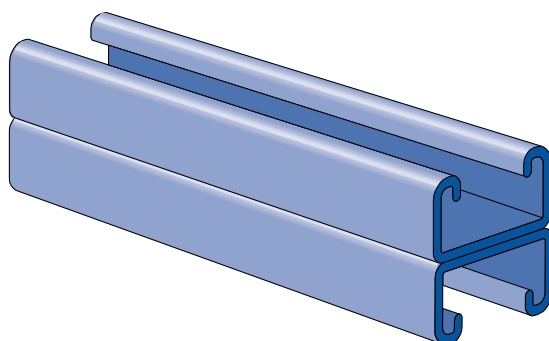
P3300



Pierced channels are found on pages 60 and 61.

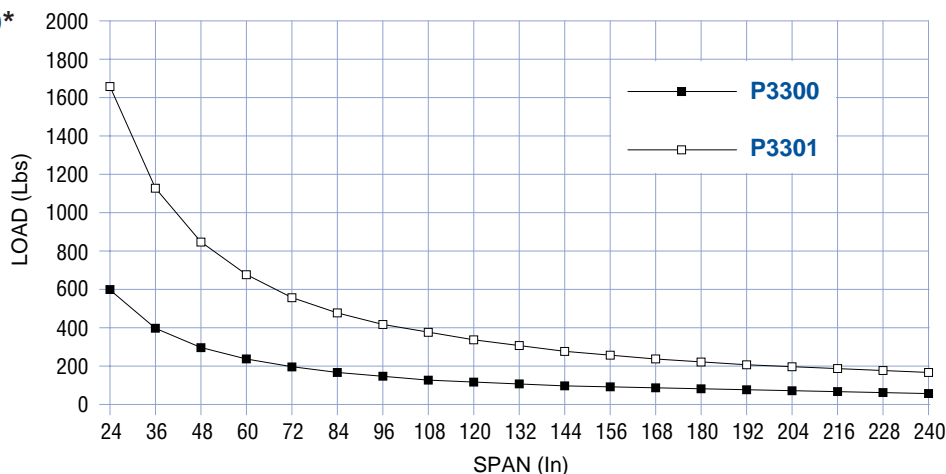
Weight: 135 Lbs/C Ft (201 kg/100 m)

P3301



Weight: 270 Lbs/C Ft (402 kg/100 m)

BEAM LOAD*



* Maximum allowable uniform load.

| Channel | Weight | | Allowable Moment | | Material Thickness | | Standard Lengths | | Finishes | | | | Other Materials | |
|---------|--------|------|------------------|-----|--------------------|-----|------------------|-----|----------|----|----|----|-----------------|----|
| | Lbs/Ft | kg/m | In-Lb | N*m | In | mm | 10' | 20' | PL | GR | HG | PG | SS | EA |
| P3300 | 1.35 | 2.0 | 1,810 | 200 | .105 | 2.7 | ■ | ■ | ■ | ■ | ■ | ■ | ■ | |
| P3301 | 2.70 | 4.0 | 5,080 | 570 | .105 | 2.7 | ■ | ■ | ■ | ■ | ■ | ■ | ■ | |

Nominal thickness of 12 gage strip steel is .105 inches.

1 5/8" Channels

Nuts & Hardware

General Fittings

Pipe/Conduit Supports

Electrical Fittings

Concrete Inserts

1 1/4" Framing System

13/16" Framing System

Spec. Metals & Fiberglass

Index

CHANNELS & COMBINATIONS

FOR 1⁵/₈" (41 MM) WIDTH SERIES CHANNEL



1⁵/₈"
Channels

Nuts &
Hardware

General
Fittings

Pipe/Conduit
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Fittings

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Inserts

1¹/₄" Framing
System

1³/₁₆" Framing
System

Spec. Metals
& Fiberglass

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P9000 Series

12 Gage

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MATERIAL

Unistrut channels are accurately and carefully cold formed to size from low-carbon strip steel.

Spot-welded combination members are welded 3" (maximum) on center.

STEEL: PLAIN

12 Ga. (2.7 mm), 14 Ga.(1.9 mm)
ASTM A570 GR 33
16 Ga. (1.5 mm) ASTM A366

STEEL: PRE-GALVANIZED

12 Ga. (2.7 mm), 14 Ga. (1.9 mm)
and 16 Ga. (1.5mm) ASTM A653
GR 33

For other materials, see Special Metals and Fiberglass section.

FINISHES

All channels are available in: Perma Green II (GR), pre-galvanized (PG), conforming to ASTM A653; Hot-dipped galvanized (HG), conforming to ASTM A123 or A153; and plain (PL).

STANDARD LENGTHS

Standard lengths are 10 feet (3.05m) and 20 feet (6.10m). Tolerances are +¹/₈" (3.2 mm) to +¹/₂" (12.7 mm) to allow for cutting. Special lengths are available for a small cutting charge with a tolerance of ±¹/₈" (3.2mm).

CURVED CHANNEL

Many Unistrut 1⁵/₈" (41mm) channel sections are available as curved pieces in both single and combination styles. Contact your local Unistrut Service Center or Unistrut Corporation for ordering information.

DIMENSIONS

Imperial dimensions are illustrated in inches. Metric dimensions are shown in millimeters and rounded to one decimal place.

LOAD DATA

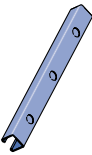
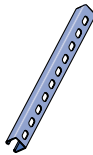
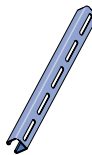
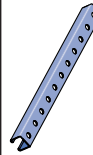

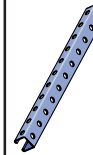



































All beam and column load data pertains to carbon steel and stainless steel channels. Load tables and charts are constructed to be in accordance with the SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS AUGUST 19, 1986 EDITION with DECEMBER 11, 1989 ADDENDUM published by the AMERICAN IRON AND STEEL INSTITUTE.

CHANNELS & COMBINATIONS

FOR 1 5/8" (41 MM) WIDTH SERIES CHANNEL



CHANNEL SELECTION CHART

| Channel | Channel Dimensions | | | | Material & Thickness | | | Hole Pattern Styles | | | | | |
|--------------|--------------------|----|--------|----|----------------------|------------------|-------|---|---|---|---|---|---|
| | Width | | Height | | Steel | Stain-less Steel | Alum. | KO | T | SL | HS | DS | H3 |
| | In | mm | In | mm | | | |  |  |  |  |  |  |
| P1000 | 1 5/8 | 41 | 1 5/8 | 41 | 12 ga | 12 ga | .109 |  |  |  |  |  * |  * |
| P1100 | 1 5/8 | 41 | 1 5/8 | 41 | 14 ga | 14 ga | — |  |  |  |  | | |
| P2000 | 1 5/8 | 41 | 1 5/8 | 41 | 16 ga | — | — |  |  |  |  | | |
| P3000 | 1 5/8 | 41 | 1 3/8 | 35 | 12 ga | — | — |  |  |  |  | | |
| P3300 | 1 5/8 | 41 | 7/8 | 22 | 12 ga | 12 ga | — | |  |  |  | | |
| P4000 | 1 5/8 | 41 | 1 3/16 | 21 | 16 ga | 16 ga | .078 | |  |  |  | | |
| P4100 | 1 5/8 | 41 | 1 3/16 | 21 | 14 ga | — | — | |  |  |  | | |
| P5000 | 1 5/8 | 41 | 3 1/4 | 83 | 12 ga | — | — |  |  |  |  | | |
| P5500 | 1 5/8 | 41 | 2 7/16 | 62 | 12 ga | — | .109 |  |  |  |  | | |

- This reference chart reflects the available channels and hole patterns manufactured by Unistrut Corporation.
- Stainless steel sections are also available on special order in "T," "SL" and "HS" hole pattern.
- Metric equivalent for material thickness: 12 ga. (2.7 mm); 14 ga. (1.9 mm); and 16 ga. (1.5 mm).

* Not available in aluminum.

CHANNELS & COMBINATIONS IN DESCENDING ORDER OF STRENGTH

| Channel | S in ³ | I in ⁴ | Area in ² | Weight Lbs/Ft |
|------------------|-------------------|-------------------|----------------------|---------------|
| P5001 | 1.716* | 5.578* | 1.794 | 6.10 |
| P1004 A | 1.673 | 4.079 | 1.978 | 6.70 |
| P5501 | 1.153 | 2.811 | 1.453 | 4.94 |
| P1001 C41 | 1.145 | 1.860 | 2.223 | 7.60 |
| P5000 | .628 | 1.099 | .897 | 3.05 |
| P1001 | .572 | .930 | 1.112 | 3.80 |
| P1101 | .456 | .741 | .834 | 2.84 |
| P3001 | .431 | .593 | 1.007 | 3.40 |
| P5500 | .391 | .523 | .726 | 2.47 |
| P2001 | .379 | .616 | .681 | 2.32 |
| P9200 | .297 | .278 | .489 | 2.23 |

| Channel | S in ³ | I in ⁴ | Area in ² | Weight Lbs/Ft |
|--------------|-------------------|-------------------|----------------------|---------------|
| P9000 | .203 | .164 | .384 | 2.05 |
| P3301 | .202 | .177 | .797 | 2.70 |
| P1000 | .202 | .185 | .556 | 1.90 |
| P1100 | .166 | .149 | .417 | 1.42 |
| P3000 | .154 | .121 | .503 | 1.70 |
| P4101 | .141 | .114 | .574 | 1.94 |
| P2000 | .140 | .124 | .340 | 1.16 |
| P4001 | .125 | .101 | .478 | 1.64 |
| P3300 | .072 | .037 | .398 | 1.35 |
| P4100 | .053 | .025 | .287 | .97 |
| P4000 | .048 | .023 | .239 | .82 |

* Effective section properties.