

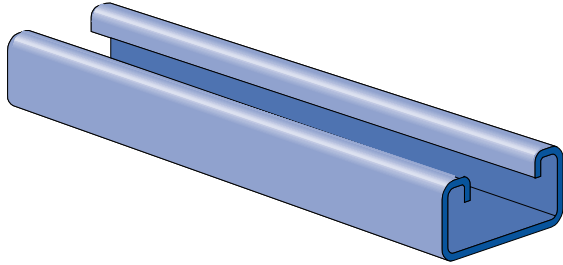
P4100™ & P4101 CHANNELS

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



1 5/8" Channels

P4100



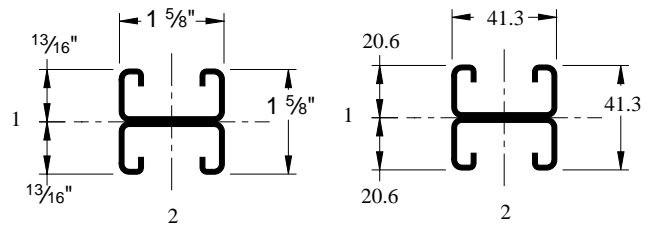
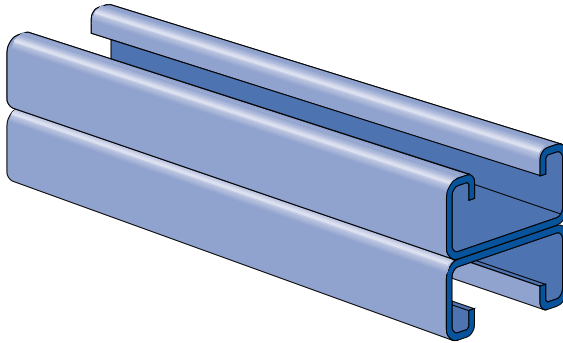
Pierced channels are found on pages 60 and 61.

Weight: 97 Lbs/C Ft (144 kg/100 m)

Nuts & Hardware

General Fittings

P4101



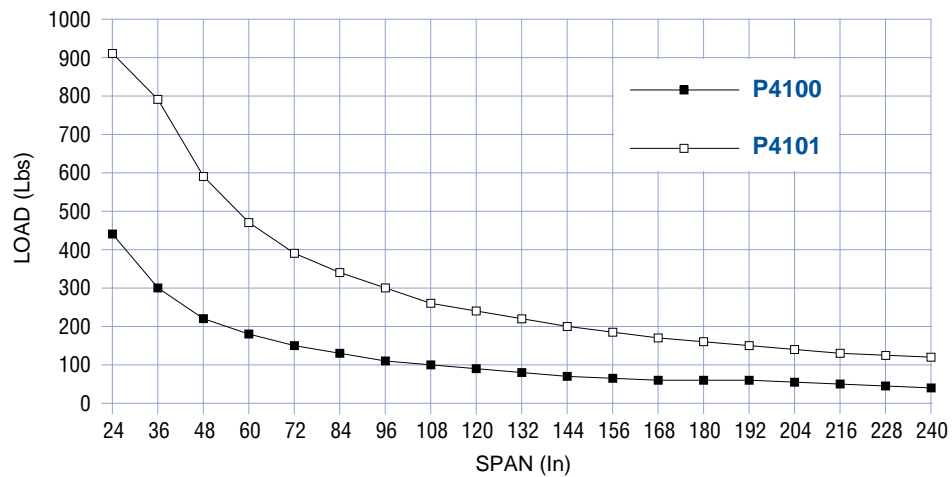
Weight: 194 Lbs/C Ft (289 kg/100 m)

Pipe/Conduit Supports

Electrical Fittings

Concrete Inserts

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
P4100	.97	1.4	1,330	150	.075	1.9	■	■	■	■	■	■		
P4101	1.94	2.9	3,550	400	.075	1.9	■	■	■	■	■	■		

Nominal thickness of 14 gage strip steel is .075 inches.

Index

CHANNELS & COMBINATIONS

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



1⁵/₈"
Channels

Nuts &
Hardware

General
Fittings

Pipe/Conduit
Supports

Electrical
Fittings

Concrete
Inserts

1¹/₄" Framing
System

1³/₁₆" Framing
System

Spec. Metals
& Fiberglass

Index

Page

P1000 12 Gage	23
P1100 14 Gage	32
P2000 16 Gage	36
P3000 12 Gage	40
P3300 12 Gage	43
P4000 16 Gage	46
P4100 14 Gage	50
P5000 12 Gage	53
P5500 12 Gage	56
Closure Strips	59
Pierced Sections	60
P9000 Series 12 Gage	62



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.

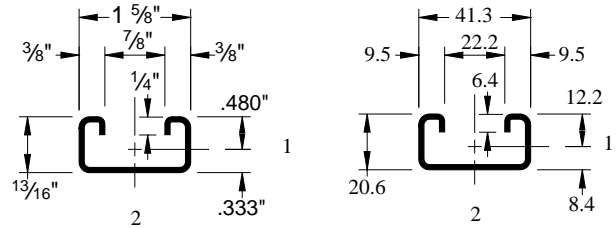
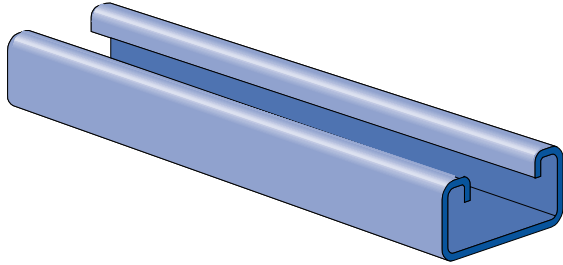
P4100™ & P4101 CHANNELS

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



1 5/8" Channels

P4100



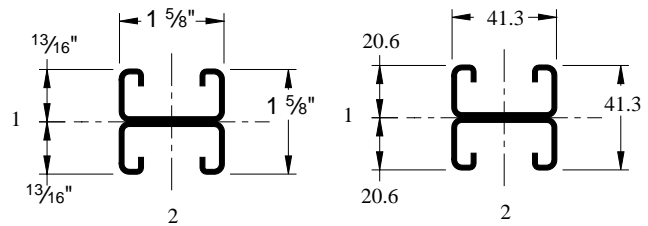
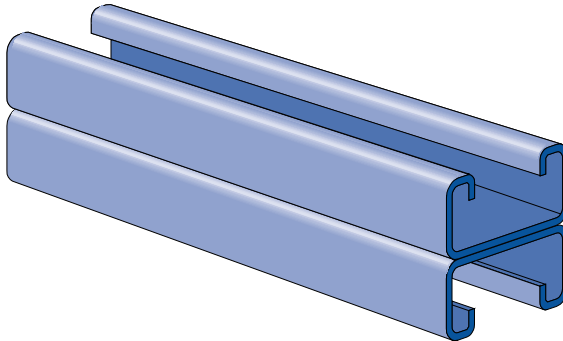
Pierced channels are found on pages 60 and 61.

Weight: 97 Lbs/C Ft (144 kg/100 m)

Nuts & Hardware

General Fittings

P4101



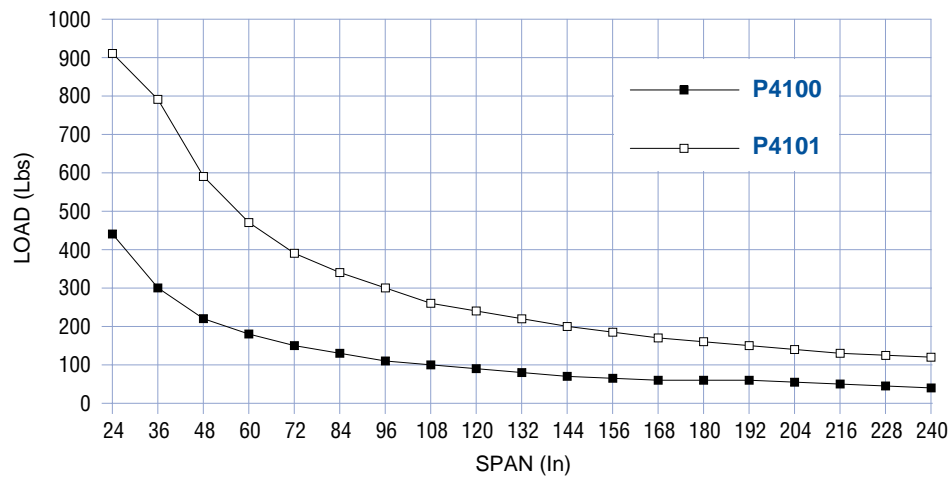
Weight: 194 Lbs/C Ft (289 kg/100 m)

Pipe/Conduit Supports

Electrical Fittings

Concrete Inserts

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
P4100	.97	1.4	1,330	150	.075	1.9	■	■	■	■	■	■		
P4101	1.94	2.9	3,550	400	.075	1.9	■	■	■	■	■	■		

Nominal thickness of 14 gage strip steel is .075 inches.

Index

Spec. Metals & Fiberglass

13/16" Framing System

1 1/4" Framing System

CHANNELS & COMBINATIONS

FOR 1½" (41 MM) WIDTH SERIES CHANNEL



1 ½" Channels

Nuts & Hardware

General Fittings

Pipe/Conduit Supports

Electrical Fittings

Concrete Inserts

1¼" Framing System

13/16" Framing System

Spec. Metals & Fiberglass

Index

Page

P1000 12 Gage	23
P1100 14 Gage	32
P2000 16 Gage	36
P3000 12 Gage	40
P3300 12 Gage	43
P4000 16 Gage	46
P4100 14 Gage	50
P5000 12 Gage	53
P5500 12 Gage	56
Closure Strips	59
Pierced Sections	60
P9000 Series 12 Gage	62



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 +⅝" (3.2 mm) to +½" (12.7 mm) to allow for cutting. Special lengths are available for a small cutting charge with a tolerance of ±⅝" (3.2mm).

CURVED CHANNEL

Many Unistrut 1½" (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.