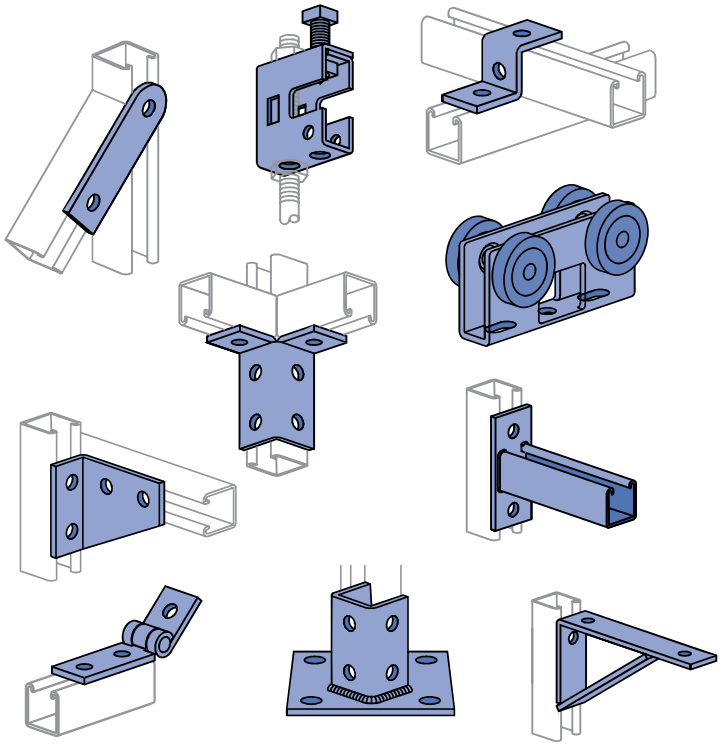
GENERAL FITTINGS



MATERIAL

Fittings, unless noted, are made from hot-rolled, pickled and oiled steel plates, bar, strip or coil, and conform to one or more of the following specifications: ASTM specifications A575, A576, A635, A1011 SS GR 33, A1011 HSLAS GR 45 or A36. All fittings meet or exceed physical properties of ASTM A1011 GR 33. The pickling of the steel produces a smooth surface free from scale.

Many fittings are also available in stainless steel, aluminum and fiberglass. Consult factory for ordering information.

FINISHES

Fittings are available in:

Green Powder Coat (GR), conforming to commercial standards for Powder Coating

Electro-galvanized (EG), conforming to ASTM B633 Type III SC1;

Hot-dipped galvanized (HG), conforming to ASTM A123 or A153 and

Plain (PL)

Unistrut Defender (DF), conforming to ASTM A1059 or A1046

APPLICATION

All parts drawings illustrate only one application of each fitting. In most cases many other applications are possible. The channels shown in the illustrations are P1000, 1⅝" square, except where noted otherwise.

All 9⁄16" diameter holes use ½" x 15⁄16" hex head cap screws and ½" nuts – P1010, P3010, P4010 or P5510 – depending on the channel used. Nuts and bolts are not included with the fitting and must be ordered separately.

DESIGN BOLT TORQUE

BOLT SIZE	¼"-20	5⁄16"-18	⅜"-16	½"-13	⅝"-11	¾"-10
Rec. Torque Ft/Lbs (N•m)	6 (8)	11 (15)	19 (26)	50 (68)	100 (136)	125 (170)
Max Torque Ft/Lbs (N•m)	7 (9)	15 (20)	25 (34)	70 (95)	125 (170)	135 (183)

SET SCREW TORQUE

BOLT SIZE	¼"-20	⅜"-16	½"-13	⅝"-11	¾"-10	⅞"-9
Set Screw Torque In/Lbs (N•m)	40 (4)	60 (7)	125 (14)	250 (28)	400 (44.5)	665 (75)

Note: Caution should be taken not to overtighten the set screw

DIMENSIONS

Imperial dimensions are illustrated in inches. Metric dimensions are shown in parenthesis or as noted. Unless noted, all metric dimensions are in millimeters and rounded to one decimal place.

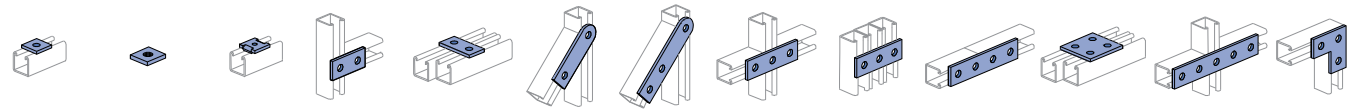
DESIGN LOAD

Design load data, where shown, is based on the ultimate strength of the connection with a safety factor of 2.5, unless otherwise noted.

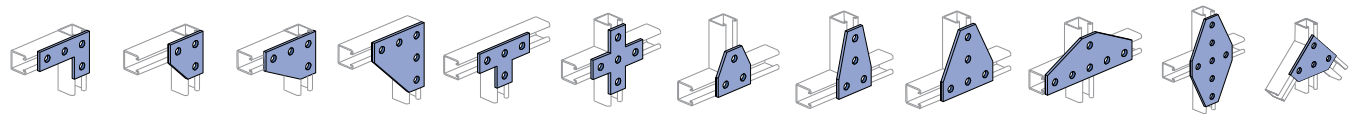
BEAM CLAMPS

Clamps are designed to be used with W, M, S and HP Shape beams, Standard C and Miscellaneous MC Channels, Angles and Structural Tees. Clamps must be used in pairs mounted in opposite directions where indicated. For beam clamps with HG finish, standard hardware is EG finish. For optional stainless steel hardware, please contact the factory for availability.

Flat Plate Fittings

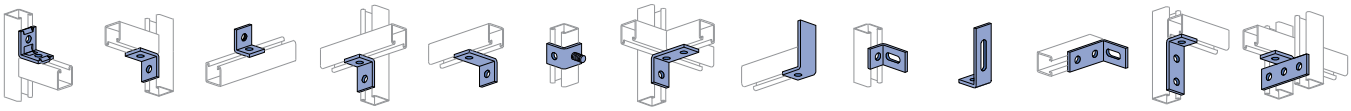


P1062-Pg 81 P1959-Pg 81 P2862-Pg 81 P1065-Pg 81 P1924-Pg 81 P2325-Pg 81 P2324-Pg 81 P1066-Pg 81 P1925-Pg 81 P1067-Pg 81 P2079-Pg 81 P1941-Pg 81 P1036-Pg 81

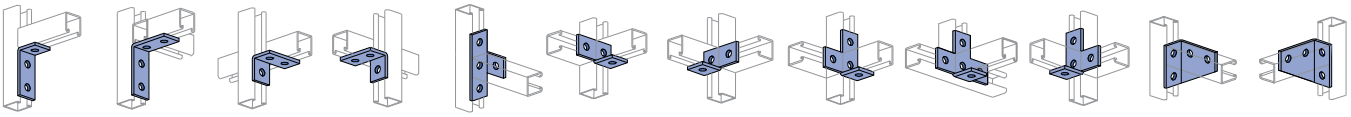


P1380 A-Pg 81 P1334-Pg 81 P1380-Pg 81 P1873-Pg 82 P1031-Pg 82 P1028-Pg 82 P1356-Pg 82 P1358-Pg 82 P1726-Pg 82 P1953-Pg 82 P1950-Pg 82 P1962-Pg 82

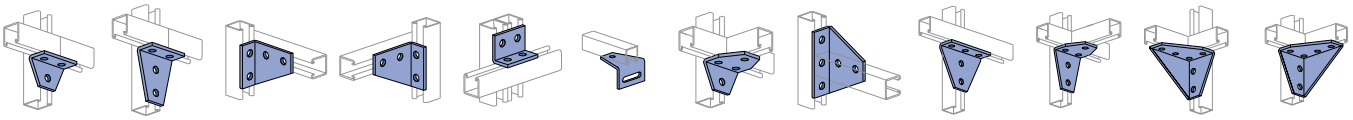
Angle Fittings



P2626-Pg 82 P1026-Pg 82 P1723-Pg 82 P1068-Pg 82 P1281-Pg 82 P1315-Pg 82 P1458-Pg 82 P1538A-Pg 83 P1750-Pg 83 P1498-Pg 83 P1747-Pg 83 P1326-Pg 83 P1821-Pg 83

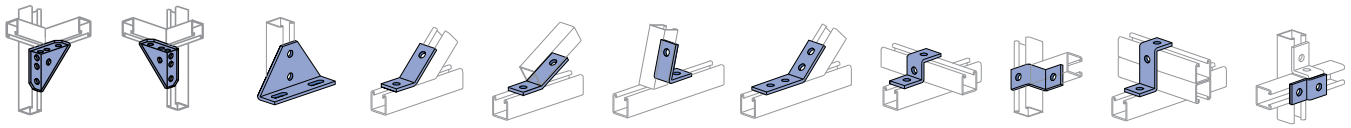


P1346-Pg 83 P1325-Pg 83 P1822-Pg 83 P1823-Pg 83 P1033-Pg 83 P1037-Pg 83 P1038- Pg 83 P1034-Pg 83 P1029-Pg 84 P1035-Pg 84 P1290-Pg 84 P1291-Pg 84

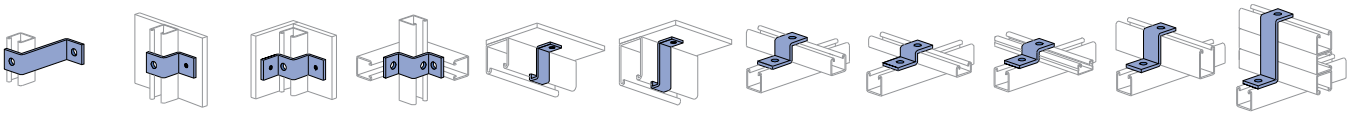


P1357-Pg 84 P1359-Pg 84 P1381-Pg 84 P1382- Pg 84 P1934-Pg 84 P1713-Pg 84 P1579-Pg 84 P1727-Pg 84 P1728-Pg 84 P2235-Pg 84 P1956-Pg 84 P1957-Pg 84

"Z" Shape Fittings



P2484-Pg 85 P2484W-Pg 85 P1130-Pg 85 P1546-Pg 85 P2101-Pg 85 P1186-Pg 85 P2260-Pg 85 P1045-Pg 86 P1347-Pg 86 P1453-Pg 86 P1454-Pg 86



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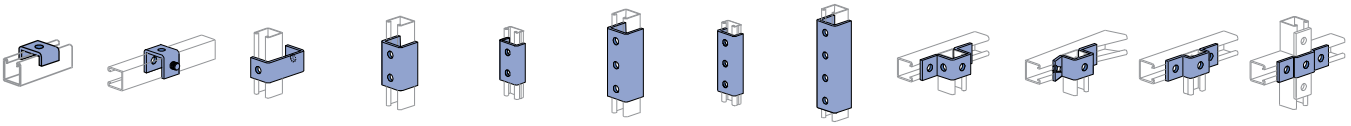
"U" Shape Fittings



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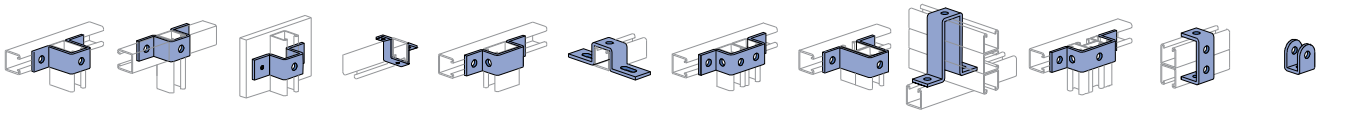
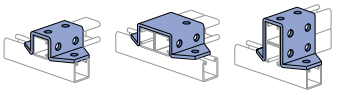


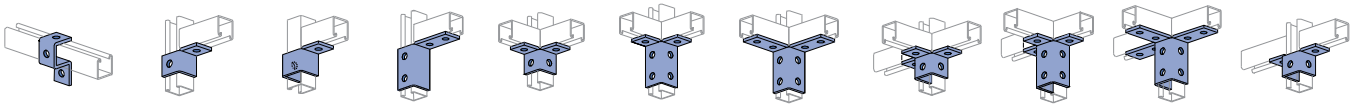
P5547-Pg 87 P1383-Pg 88 P1732-Pg 88 P2237-Pg 88 P5543-Pg 88 P1048-Pg 88 P1043A-Pg 88 P1737-Pg 88 P2473-Pg 88 P4043-Pg 88 P1044-Pg 88 P1973-Pg 88



P2326-Pg 88 P2328-Pg 88 P2329-Pg 88

General Fittings Pictorial Index

Wing Shape Fittings



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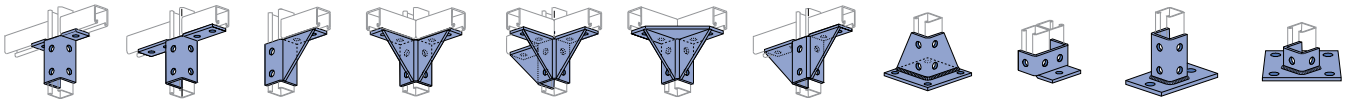
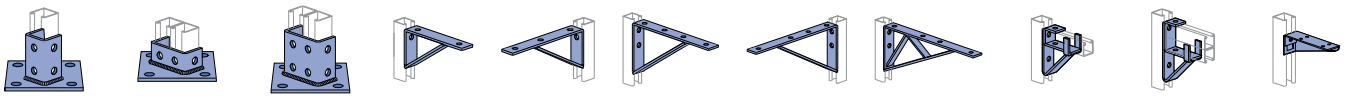
Post Bases



P2346-Pg 89 P2347-Pg 89 P2344-Pg 89 P2226-Pg 89 P2230-Pg 89 P2245-Pg 89 P2348-Pg 90 P1887-Pg 90 P2453-Pg 90 P2941-Pg 90 P2072-Pg 90

Brackets and Brace Fittings



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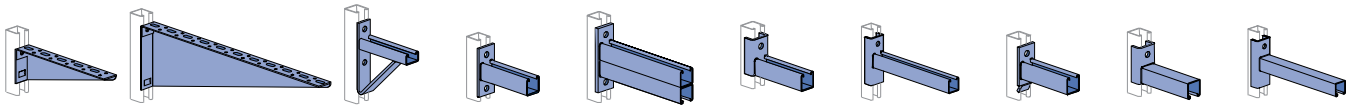

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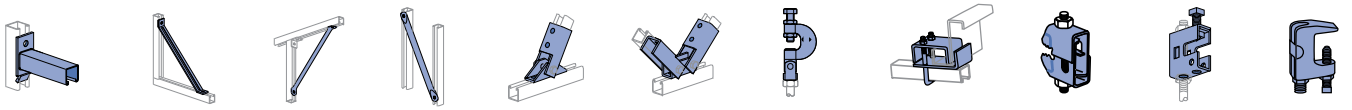
Beam Clamps



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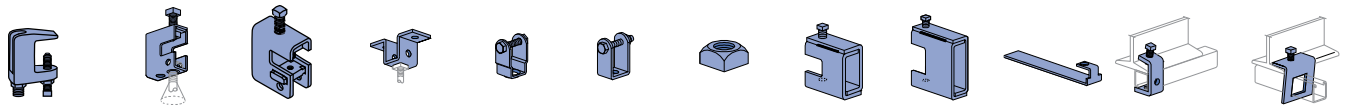
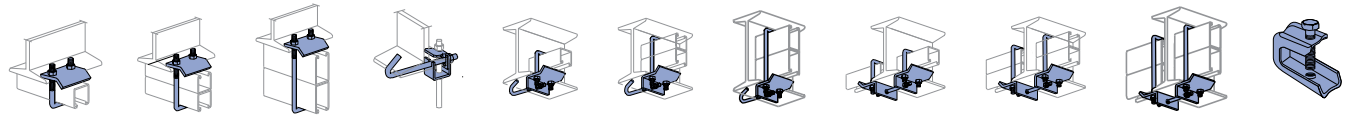


P2899-Pg 96 P2676-Pg 96 P1640-Pg 97 P2682-Pg 96 P2677-Pg 96 P2674-Pg 97 P2679-Pg 96 P1648S-Pg 97 P2398S-Pg 97 P1654A-Pg 97 P1271S-Pg 98 P1796S-Pg 98



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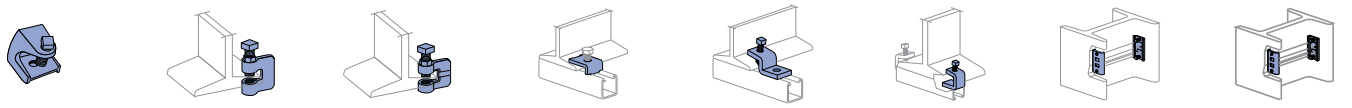
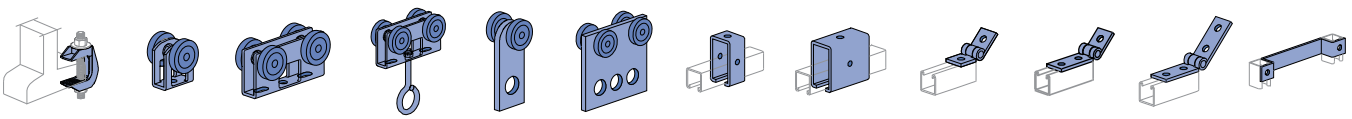


P2894-Pg 99 P2895-Pg 99 P2896-Pg 99 P1386-Pg 100 P1379S-Pg 100 P1272S-Pg 100 P3087-Pg 100 P3088-Pg 100

Trolley Assemblies

Special Applications Fittings



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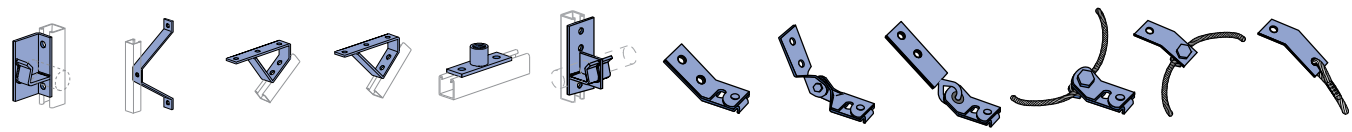
Seismic Retrofit Fittings

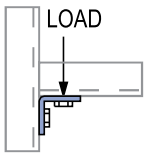


P2354-Pg 103 P1204-Pg 103 P2655-Pg 103 P1944-Pg 103 P2470-Pg 103 P2454-Pg 103 SPF 100-Pg 104 SPF 200-Pg 104 SPF 300-Pg 105 SPF 400-Pg 105 LS 410-Pg 106 LS500-Pg 106

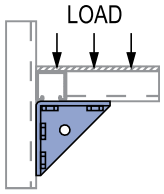
DESIGN LOAD DATA FOR TYPICAL UNISTRUT CHANNEL CONNECTIONS

90° Fittings (When used in position shown)

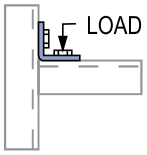
Load – P1026		Channel Thickness 12 ga.	14 ga.	16 ga.
	Lbs	1,500	1,000	750
	kN	*6.67*	*4.45*	*3.34*



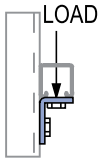
Load – P2484		Channel Thickness 12 ga.	14 ga.	16 ga.
	Lbs	3,000	2,000	1,500
	kN	*13.34*	*8.90*	*6.67*



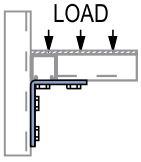
Load – P1026		Channel Thickness 12 ga.	14 ga.	16 ga.
	Lbs	1,000	650	500
	kN	*4.45*	*2.89*	*2.22*



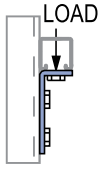
Load – P1068		Channel Thickness 12 ga.	14 ga.	16 ga.
	Lbs	500	500	500
	kN	*2.22*	*2.22*	*2.22*



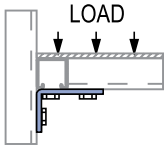
Load – P1325, P2235		Channel Thickness 12 ga.	14 ga.	16 ga.
	Lbs	2,000	2,000	1,500
	kN	*8.90*	*8.90*	*6.67*



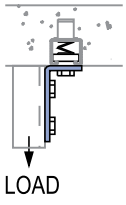
Load – P1326		Channel Thickness 12 ga.	14 ga.	16 ga.
	Lbs	500	500	500
	kN	*2.22*	*2.22*	*2.22*



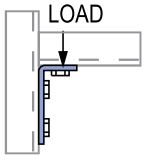
Load – P1458, P1579		Channel Thickness 12 ga.	14 ga.	16 ga.
	Lbs	1,500	1,000	1,000
	kN	*6.67*	*4.45*	*4.45*



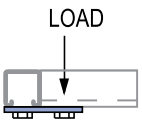
Load – P1346		Channel Thickness 12 ga.	14 ga.	16 ga.
	Lbs	1,200	1,200	1,000
	kN	*5.34*	*5.34*	*4.45*



Load – P1346		Channel Thickness 12 ga.	14 ga.	16 ga.
	Lbs	2,000	1,500	900
	kN	*8.90*	*6.67*	*4.00*

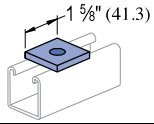


Load – P1065		Channel Thickness 12 ga.	14 ga.	16 ga.
	Lbs	1,000	800	600
	kN	*4.45*	*3.56*	*2.67*



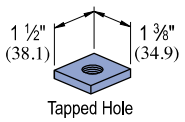
Note:
(1) Both ends of beams supported.
(2) Load data is based on P1010 nut and ½" bolt.
(3) Safety factor = 2½ based on ultimate strength of connection.

P1062, P1063, P1064,P1964, P2471, P2490 DF, EG, GR, HG



Part No.	Bolt Size	Hole Size	Wt/100 pcs Lbs (kg)
P1062	5/16"	11/32"	18 (8.2)
P1063	3/8"	7/16"	18 (8.2)
P1064	1/2"	9/16"	17 (7.7)
P1964	5/8"	11/16"	16 (7.3)
P2471	3/4"	13/16"	15 (6.8)
P2490	7/8"	15/16"	14 (6.4)

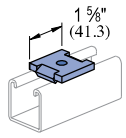
P1959, P1960, P1961 EG, GR, HG



Part Number	U.S. Std. Thd Size	Wt/100 pcs Lbs (kg)
P1959	3/8" - 16	21 (9.5)
P1960	1/2" - 13	20 (9.1)
P1961	5/8" - 11	19 (8.6)

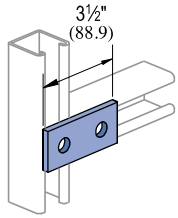
Material: 3/8" (9.5 mm) thick

P2862, 2863, 2864 DF, EG, GR, HG



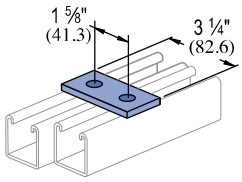
Part Number	Bolt Size	Hole Size	Wt/100 pcs Lbs (kg)
P2862	5/16"	11/32"	18 (8.2)
P2863	3/8"	7/16"	18 (8.2)
P2864	1/2"	9/16"	17 (7.7)

P1065 DF, EG, GR, HG



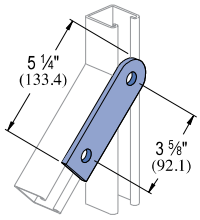
Wt/100 pcs: 38 Lbs (17.2 kg)

P1924 EG, GR, HG



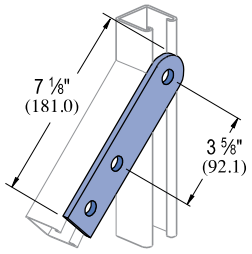
Wt/100 pcs: 35 Lbs (15.9 kg)

P2325 EG, GR, HG



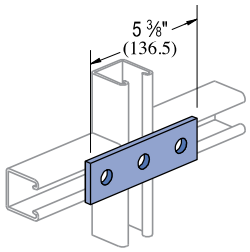
Wt/100 pcs: 55 Lbs (24.9 kg)

P2324 DF, EG, GR, HG



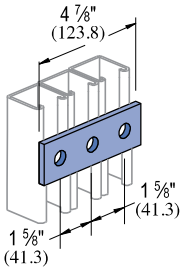
Wt/100 pcs: 75 Lbs (34.0 kg)

P1066 DF, EG, GR, HG



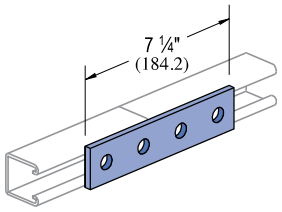
Wt/100 pcs: 56 Lbs (25.4 kg)

P1925 EG, GR, HG



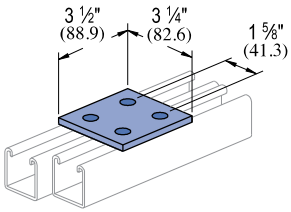
Wt/100 pcs: 50 Lbs (22.7 kg)

P1067 EG, GR, HG



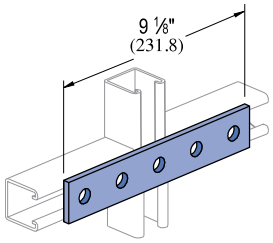
Wt/100 pcs: 78 Lbs (35.4 kg)

P2079 EG, GR, HG



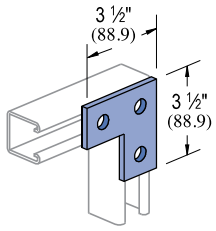
Wt/100 pcs: 73 Lbs (33.1 kg)

P1941 EG, GR, HG



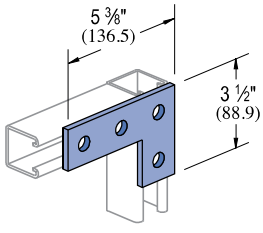
Wt/100 pcs: 94 Lbs (42.6 kg)

P1036 DF, EG, GR, HG



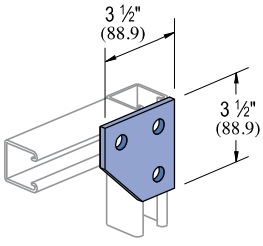
Wt/100 pcs: 58 Lbs (26.3 kg)

P1380 A DF, EG, GR, HG



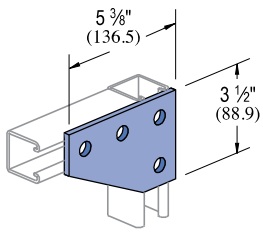
Wt/100 pcs: 80 Lbs (36.3 kg)

P1334 EG, GR, HG



Wt/100 pcs: 70 Lbs (31.8 kg)

P1380 EG, GR, HG

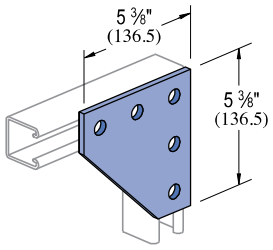


Wt/100 pcs: 105 Lbs (47.6 kg)

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*

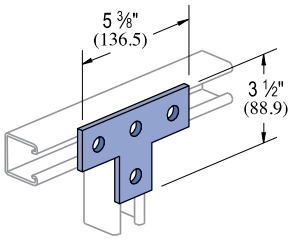
Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅛" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm) with steel meeting or exceeding ASTM A1011 SS GR 33, or 0.220" (5.6mm) with steel meeting or exceeding ASTM A1011 HSLAS GR 45

P1873 EG, GR, HG



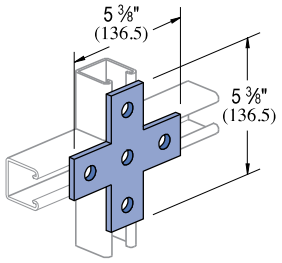
Wt/100 pcs: 150 Lbs (68.0 kg)

P1031 DF, EG, GR, HG



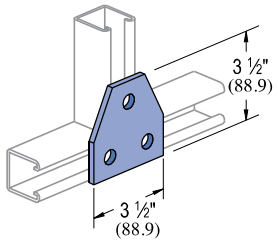
Wt/100 pcs: 80 Lbs (36.3 kg)

P1028 DF, EG, GR, HG



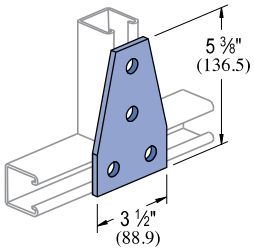
Wt/100 pcs: 105 Lbs (47.6 kg)

P1356 EG, GR, HG



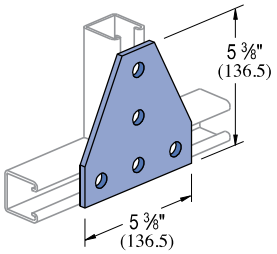
Wt/100 pcs: 70 Lbs (31.8 kg)

P1358 EG, GR, HG



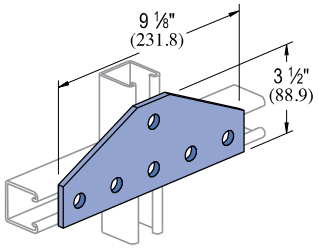
Wt/100 pcs: 105 Lbs (47.6 kg)

P1726 EG, GR, HG



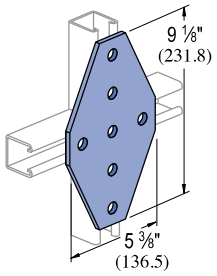
Wt/100 pcs: 148 Lbs (67.1 kg)

P1953 EG, GR, HG



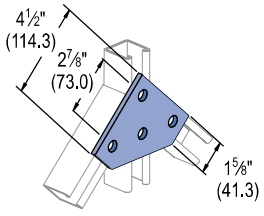
Wt/100 pcs: 176 Lbs (79.8 kg)

P1950 EG, GR, HG



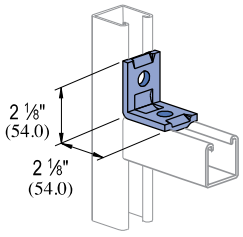
Wt/100 pcs: 240 Lbs (108.9 kg)

P1962 EG, GR, HG



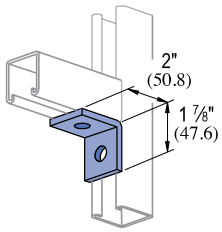
Wt/100 pcs: 112 Lbs (50.8 kg)

P2626 EG, GR, HG



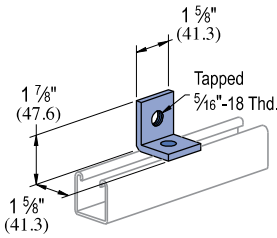
Wt/100 pcs: 40 Lbs (18.1 kg)

P1026 DF, EG, GR, HG



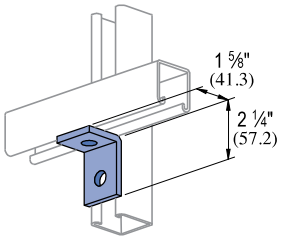
Wt/100 pcs: 38 Lbs (17.2 kg)

P1723 EG, GR, HG



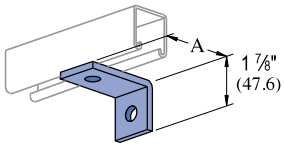
Wt/100 pcs: 34 Lbs (15.4 kg)

P1068 DF, EG, GR, HG



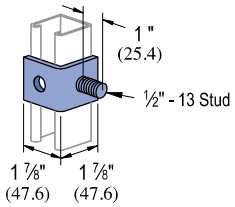
Wt/100 pcs: 38 Lbs (17.2 kg)

P1281, P1282, P1283 EG, GR, HG



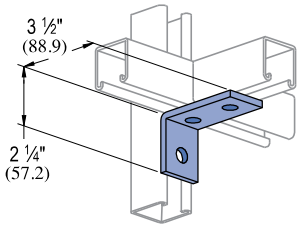
Part No.	"A" In *(mm)*	Wt/100 pcs Lbs *(kg)*
P1281	3 *76.2*	49 *22.2*
P1282	3½ *88.9*	54 *24.5*
P1283	4 *101.6*	61 *27.7*

P1315 EG, GR, HG



Wt/100 pcs: 45 Lbs (20.4 kg)

P1458 EG, GR, HG



Wt/100 pcs: 58 Lbs (26.3 kg)

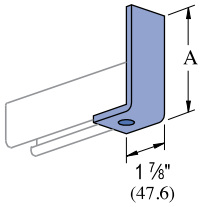
Standard Dimensions for 1⅝" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*

Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm) with steel meeting or exceeding ASTM A1011 SS GR 33, or 0.220" (5.6mm) with steel meeting or exceeding ASTM A1011 HSLAS GR 45

Atkore Unistrut

P1538A THRU P1538D

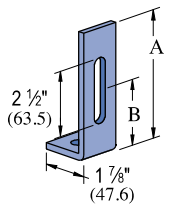
EG, GR, HG



Part Number	"A" In (mm)	Wt/100 pcs Lbs (kg)
P1538A	3⅜ (98.4)	61 (27.7)
P1538B	5⅞ (149.2)	84 (38.1)
P1538C	7⅞ (200.0)	107 (48.5)
P1538D	9⅞ (250.8)	130 (59.0)

P1498, P1499

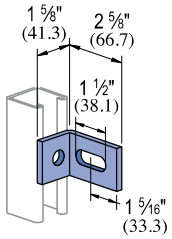
DF, EG, GR, HG



Part Number	"A" In (mm)	"B" In (mm)	Wt/100 pcs Lbs (kg)
P1498	4⅞ (123.8)	2½ (63.5)	65 (29.5)
P1499	6⅛ (174.6)	4½ (114.3)	85 (38.6)

P1750

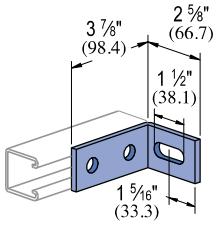
EG, GR, HG



Wt/100 pcs: 38 Lbs (17.2 kg)

P1747

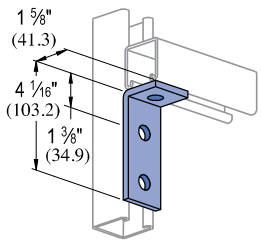
EG, GR, HG



Wt/100 pcs: 66 Lbs (29.9 kg)

P1326

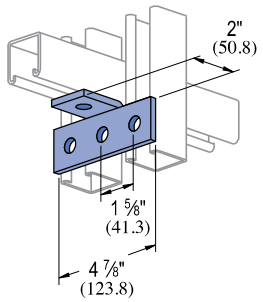
EG, GR, HG



Wt/100 pcs: 58 Lbs (26.3 kg)

P1821

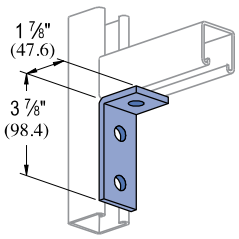
EG, GR, HG



Wt/100 pcs: 71 Lbs (32.2 kg)

P1346

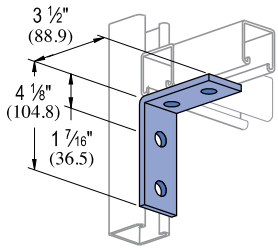
EG, GR, HG



Wt/100 pcs: 58 Lbs (26.3 kg)

P1325

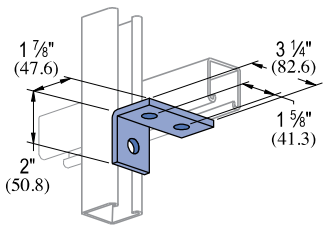
EG, GR, HG



Wt/100 pcs: 78 Lbs (35.4 kg)

P1822

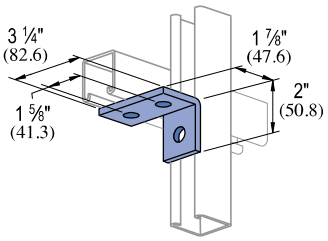
EG, GR, HG



Wt/100 pcs: 55 Lbs (24.9 kg)

P1823

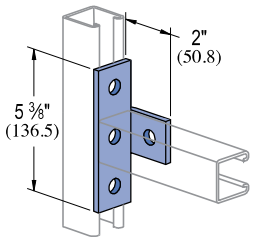
EG, GR, HG



Wt/100 pcs: 55 Lbs (24.9 kg)

P1033

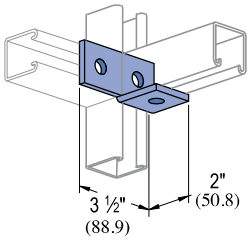
EG, GR, HG



Wt/100 pcs: 80 Lbs (36.3 kg)

P1037

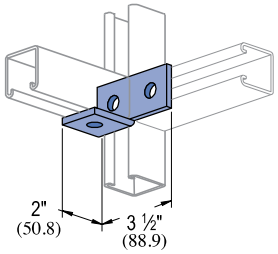
EG, GR, HG



Wt/100 pcs: 58 Lbs (26.3 kg)

P1038

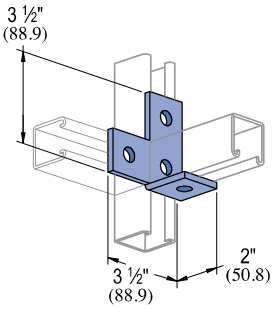
EG, GR, HG



Wt/100 pcs: 58 Lbs (26.3 kg)

P1034

EG, GR, HG

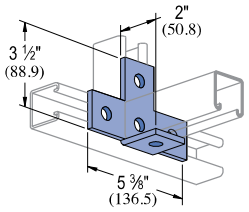


Wt/100 pcs: 80 Lbs (36.3 kg)

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*

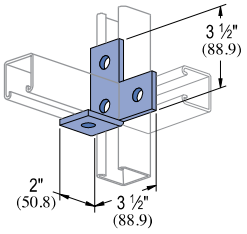
Hole Diameter: ⅜" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm) with steel meeting or exceeding ASTM A1011 SS GR 33, or 0.220" (5.6mm) with steel meeting or exceeding ASTM A1011 HSLAS GR 45

P1029 EG, GR, HG



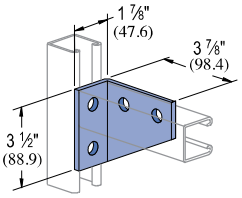
Wt/100 pcs: 105 Lbs (47.6 kg)

P1035 EG, GR, HG



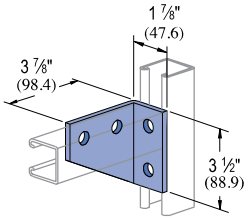
Wt/100 pcs: 80 Lbs (36.3 kg)

P1290 EG, GR, HG



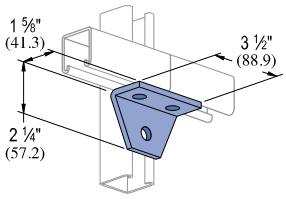
Wt/100 pcs: 101 Lbs (45.8 kg)

P1291 EG, GR, HG



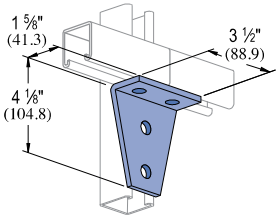
Wt/100 pcs: 101 Lbs (45.8 kg)

P1357 EG, GR, HG



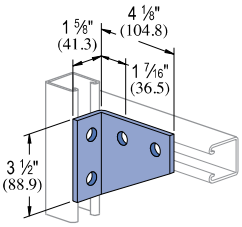
Wt/100 pcs: 70 Lbs (31.8 kg)

P1359 EG, GR, HG



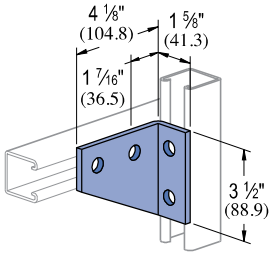
Wt/100 pcs: 105 Lbs (47.6 kg)

P1381 EG, GR, HG



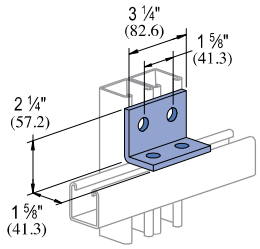
Wt/100 pcs: 105 Lbs (47.6 kg)

P1382 EG, GR, HG



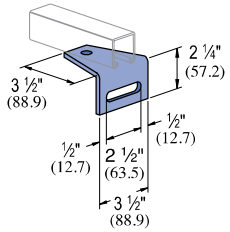
Wt/100 pcs: 105 Lbs (47.6 kg)

P1934



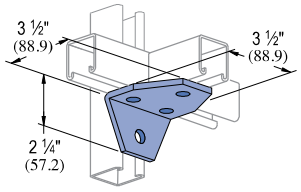
Wt/100 pcs: 75 Lbs (34.0 kg)

P1713



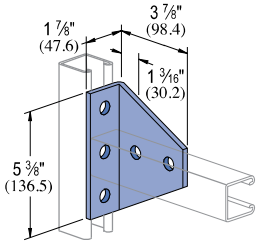
Wt/100 pcs: 97 Lbs (44.0 kg)

P1579



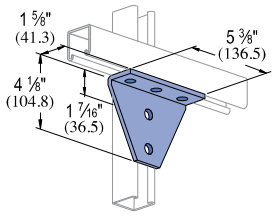
Wt/100 pcs: 103 Lbs (46.7 kg)

P1727



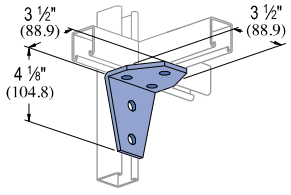
Wt/100 pcs: 154 Lbs (69.9 kg)

P1728



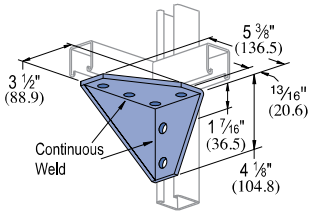
Wt/100 pcs: 154 Lbs (69.9 kg)

P2235



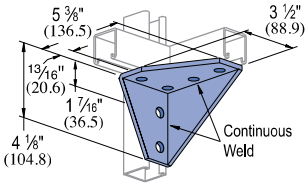
Wt/100 pcs: 135 Lbs (61.2 kg)

P1956



Wt/100 pcs: 230 Lbs (104.3 kg)

P1957 EG, GR, HG

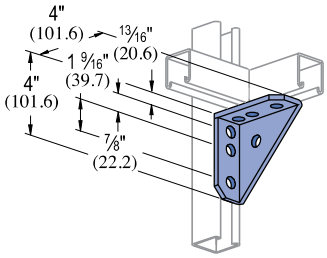


Wt/100 pcs: 230 Lbs (104.3 kg)

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*

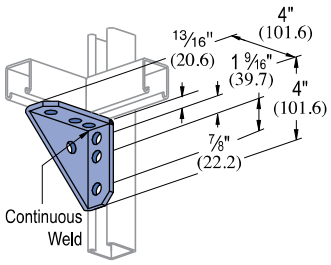
Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm) with steel meeting or exceeding ASTM A1011 SS GR 33, or 0.220" (5.6mm) with steel meeting or exceeding ASTM A1011 HSLAS GR 45

P2484 DF, EG, GR, HG



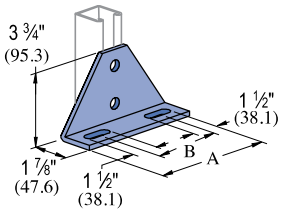
Wt/100 pcs: 134 Lbs (60.8 kg)

P2484W EG, GR, HG



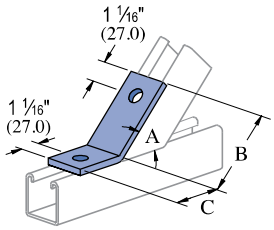
Wt/100 pcs: 134 Lbs (60.8 kg)

P1130, P1131 EG, GR, HG



Part Number	"A" In *(mm)*	"B" In *(mm)*	Wt/100 pcs Lbs *(kg)*
P1130	6⅝ *168.3*	4 *101.6*	190 *86.2*
P1131	8⅝ *219.1*	6 *152.4*	242 *109.8*

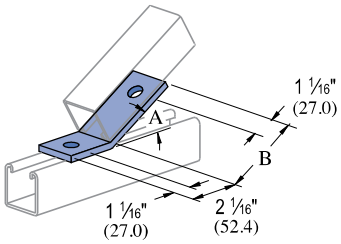
P1546, P2094 THRU P2100 DF, EG, GR, HG



Part No.	"A" Degree *(rad)*	"B" In *(mm)*	"C" In *(mm)*
P2094	82½° *1.44*	3 9/16 *90.5*	1 11/16 *42.9*
P2095	75° *1.31*	3 9/16 *90.5*	1 11/16 *42.9*
P2096	67½° *1.18*	3½ *88.9*	1¾ *44.5*
P2097	60° *1.05*	3⅜ *85.7*	1⅞ *47.6*
P2098	52½° *0.92*	3¼ *82.6*	2 1/16 *52.4*
P1546	45° *0.79*	3 *76.2*	2 5/16 *58.7*
P2099	37½° *0.65*	3½ *88.9*	1 13/16 *46.0*
P2100	37½° *0.65*	2 11/16 *68.3*	2⅝ *66.7*

Wt/100 pcs: 58 Lbs (26.3 kg)

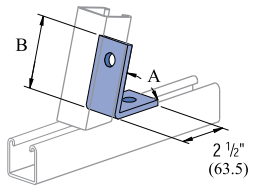
P2101 THRU P2104 EG, GR, HG



Part No.	"A" Degree *(rad)*	"B" In *(mm)*
P2101	30° *0.52*	3¼ *82.6*
P2102	22½° *0.39*	3 5/16 *84.1*
P2103	15° *0.26*	3 5/16 *84.1*
P2104	7½° *0.13*	3 5/16 *84.1*

Wt/100 pcs: 58 Lbs (26.3 kg)

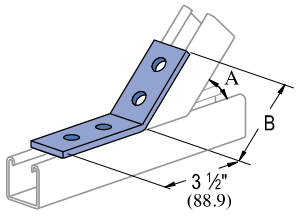
P1186, P2105 THRU P2110 DF, EG, GR, HG



Part Number	"A" Degree *(rad)*	"B" In *(mm)*
P2105	82½° *1.44*	3¼ *82.6*
P2106	75° *1.31*	3¼ *82.6*
P2107	67½° *1.18*	3 3/16 *81.0*
P2108	60° *1.05*	3 3/16 *81.0*
P2109	52½° *0.92*	3⅛ *79.4*
P1186	45° *0.79*	3⅛ *79.4*
P2110	37½° *0.65*	3 1/16 *77.8*

Wt/100 pcs: 58 Lbs (26.3 kg)

P2260 THRU P2270 DF, EG, GR, HG



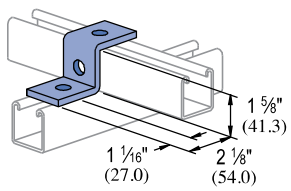
Part Number	"A" Degree *(rad)*	"B" In *(mm)*
P2270	82½° *1.44*	3⅝ *92.1*
P2269	75° *1.31*	3⅝ *92.1*
P2268	67½° *1.18*	3⅝ *92.1*
P2267	60° *1.05*	3 11/16 *93.7*
P2266	52½° *0.92*	3 11/16 *93.7*
P2265	45° *0.79*	3 11/16 *93.7*
P2264	37½° *0.65*	3 11/16 *93.7*
P2263	30° *0.52*	3 11/16 *93.7*
P2262	22½° *0.39*	3¾ *95.3*
P2261	15° *0.26*	3¾ *95.3*
P2260	7½° *0.13*	3¾ *95.3*

Wt/100 pcs: 78 Lbs (35.4 kg)

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*

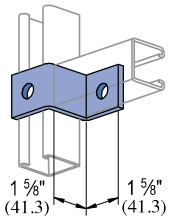
Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm) with steel meeting or exceeding ASTM A1011 SS GR 33, or 0.220" (5.6mm) with steel meeting or exceeding ASTM A1011 HSLAS GR 45

P1045 DF, EG, GR, HG



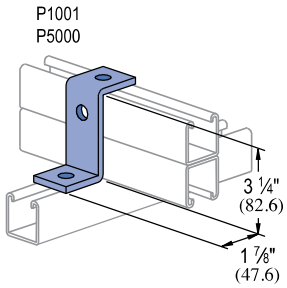
Wt/100 pcs: 55 Lbs (24.9 kg)

P1347 EG, GR, HG



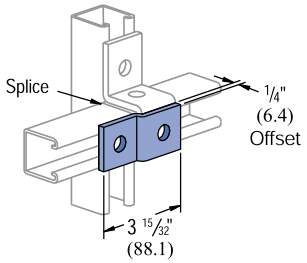
Wt/100 pcs: 55 Lbs (24.9 kg)

P1453 EG, GR, HG



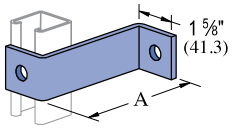
Wt/100 pcs: 70 Lbs (31.8 kg)

P1454 EG, GR, HG



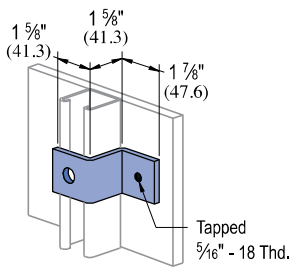
Wt/100 pcs: 38 Lbs (17.2 kg)

P1479A THRU P1479E



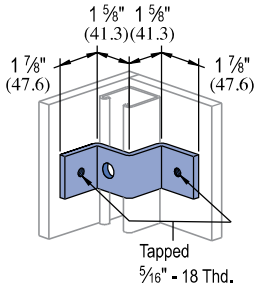
Part Number	"A" In (mm)	Wt/100 pcs Lbs (kg)
P1479A	4 (101.6)	81 (36.7)
P1479B	5 (127.0)	92 (41.7)
P1479C	6 (152.4)	104 (47.2)
P1479D	7 (177.8)	115 (52.2)
P1479E	8 (203.2)	127 (57.6)

P1730



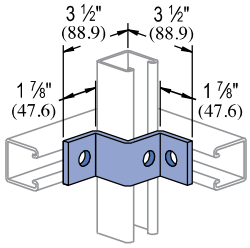
Wt/100 pcs: 54 Lbs (24.5 kg)

P1734



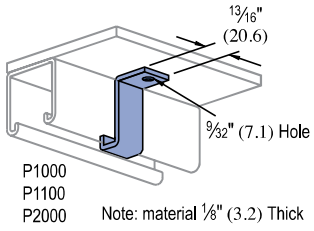
Wt/100 pcs: 70 Lbs (31.8 kg)

P1736



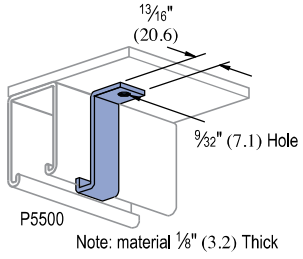
Wt/100 pcs: 70 Lbs (31.8 Kg)

P2360



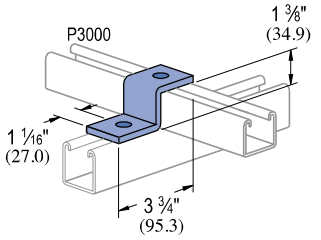
Wt/100 pcs: 9 Lbs (4.1 kg)

P5560



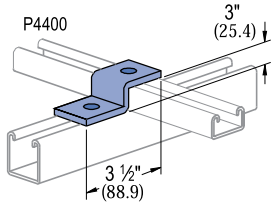
Wt/100 pcs: 11 Lbs (5.0 kg)

P3045 EG, GR, HG



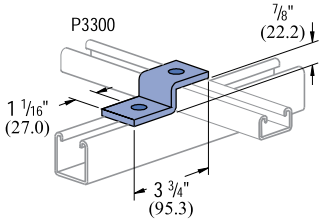
Wt/100 pcs: 53 Lbs (24.0 kg)

P612 EG, GR, HG



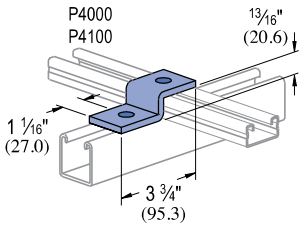
Wt/100 pcs: 47 Lbs (21.3 kg)

P3345 EG, GR, HG



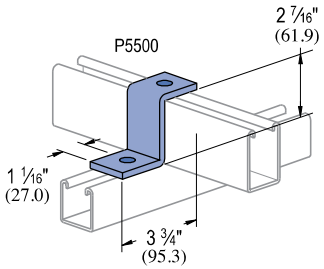
Wt/100 pcs: 47 Lbs (21.3 kg)

P4045 EG, GR, HG



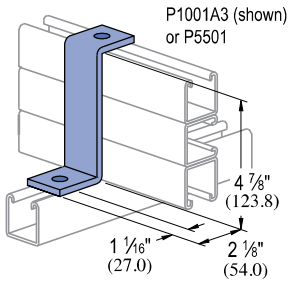
Wt/100 pcs: 47 Lbs (21.3 kg)

P5545 EG, GR, HG



Wt/100 pcs: 67 Lbs (30.4 kg)

P2469



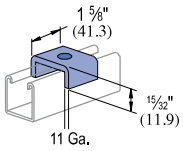
Wt/100 pcs: 93 Lbs (42.2 kg)

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*

Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm) with steel meeting or exceeding ASTM A1011 SS GR 33, or 0.220" (5.6mm) with steel meeting or exceeding ASTM A1011 HSLAS GR 45

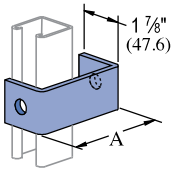
P2800

EG, GR, HG



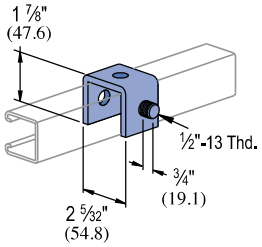
Part Number	Bolt Size (in)	Hole Size (in)	Wt/100 pcs Lbs (kg)
P2800-25	1/4"	9/32"	14 6.4
P2800-37	3/8"	7/16"	14 6.4
P2800-50	1/2"	9/16"	13 5.9
P2800-62	5/8"	11/16"	13 5.9
P2800-75	3/4"	13/16"	13 5.9

P1363A THRU P1363E



Part Number	"A" In (mm)	Wt/100 pcs Lbs (kg)
P1363A	4 101.6	78 35.4
P1363B	5 127.0	89 40.4
P1363C	6 152.4	101 45.8
P1363D	7 177.8	112 50.8
P1363E	8 203.2	124 56.2

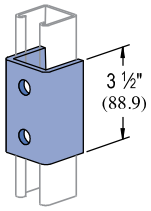
P1320



Wt/100 pcs: 63 Lbs (28.6 kg)

P1376

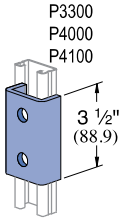
EG, GR, HG



Wt/100 pcs: 128 Lbs (58.1 kg)

P4376

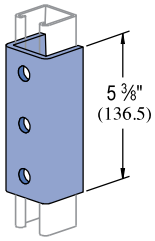
EG, GR, HG



Wt/100 pcs: 85 Lbs (38.6 kg)

P1376A

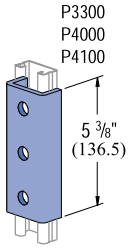
EG, GR, HG



Wt/100 pcs: 197 Lbs (89.4 kg)

P4376A

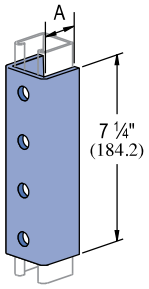
EG, GR, HG



Wt/100 pcs: 130 Lbs (59.0 kg)

P1377, P4377, P5077, P5577

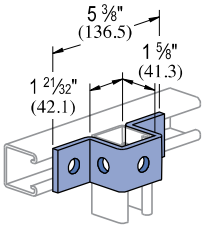
EG, GR, HG



Part Number	For Use With	"A" in (mm)	Wt/100 pcs Lbs (kg)
P1377	P1000, P1100, P2000	1 9/16 39.7	265 120
P4377	P3300, P4000, P4100	15/16 23.8	176 80
P5077	P5000	3 3/16 81.0	390 177
P5577	P5500	2 3/8 60.3	310 141

P1047

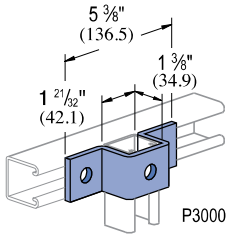
DF, EG, GR, HG



Wt/100 pcs: 88 Lbs (39.9 kg)

P3047

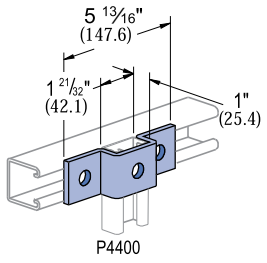
EG, GR, HG



Wt/100 pcs: 84 Lbs (38.1 kg)

P976

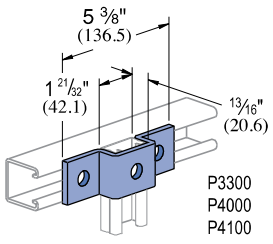
EG, GR, HG



Wt/100 pcs: 71 Lbs (32.2 kg)

P4047

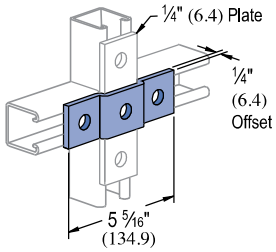
EG, GR, HG



Wt/100 pcs: 71 Lbs (32.2 kg)

P1455

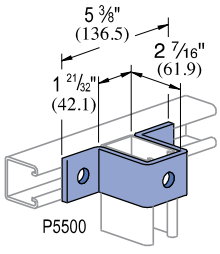
EG, GR, HG



Wt/100 pcs: 58 Lbs (26.3 kg)

P5547

EG, GR, HG

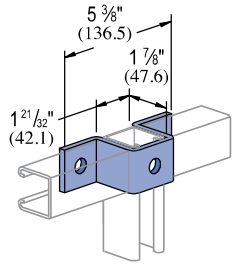


Wt/100 pcs: 108 Lbs (49.0 kg)

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*

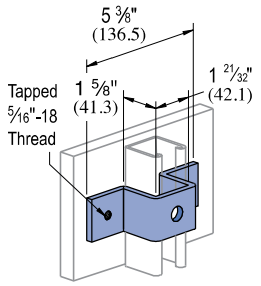
Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm) with steel meeting or exceeding ASTM A1011 SS GR 33, or 0.220" (5.6mm) with steel meeting or exceeding ASTM A1011 HSLAS GR 45

P1383 EG, GR, HG



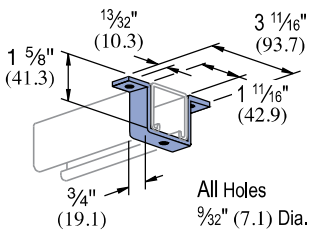
Wt/100 pcs: 95 Lbs (43.1 kg)

P1732 EG, GR, HG



Wt/100 pcs: 88 Lbs (39.9 kg)

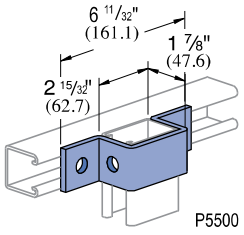
P2237 EG, GR, HG



Material: ⅛" (3.2) thick.

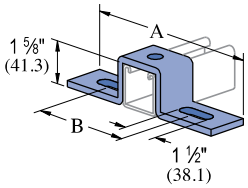
Wt/100 pcs: 18 Lbs (8.2 kg)

P5543 EG, GR, HG



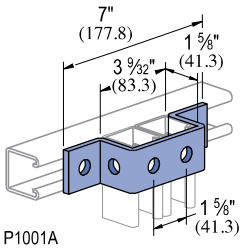
Wt/100 pcs: 97 Lbs (44.0 kg)

P1048, P1049, P1050 DF, EG, GR, HG



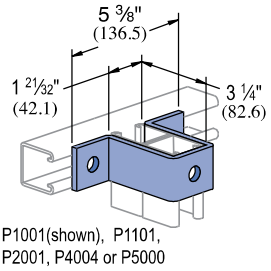
Part Number	"A" In *(mm)*	"B" In *(mm)*	Wt/100 pcs Lbs *(kg)*
P1048	7¼ *184.2*	4⅛ *104.8*	105 *47.6*
P1049	8½ *215.9*	5⅜ *136.5*	120 *54.4*
P1050	10⅜ *263.5*	7¼ *184.2*	130 *59.0*

P1043A EG, GR, HG



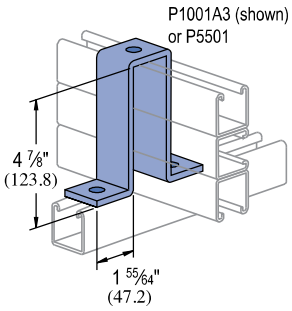
Wt/100 pcs: 105 Lbs (47.6 kg)

P1737 EG, GR, HG



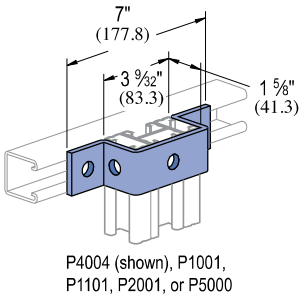
Wt/100 pcs: 128 Lbs (58.1 kg)

P2473 EG, GR, HG



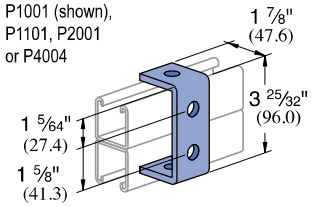
Wt/100 pcs: 197 Lbs (89.4 kg)

P4043 EG, GR, HG



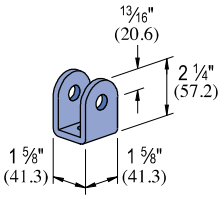
Wt/100 pcs: 106 Lbs (48.1 kg)

P1044 EG, GR, HG



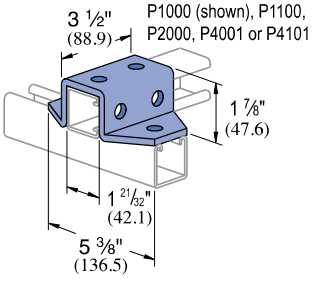
Wt/100 pcs: 70 Lbs (31.8 kg)

P1973 EG, GR, HG



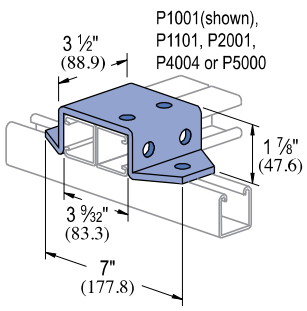
Wt/100 pcs: 53 Lbs (24.0 kg)

P2326 EG, GR, HG



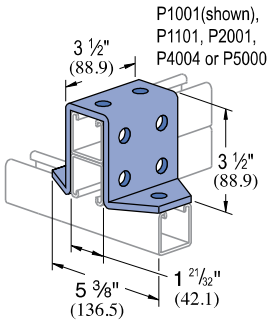
Wt/100 pcs: 171 Lbs (77.6 kg)

P2328



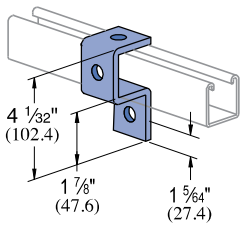
Wt/100 pcs: 209 Lbs (94.8 kg)

P2329



Wt/100 pcs: 257 Lbs (116.6 kg)

P1046A EG, GR, HG



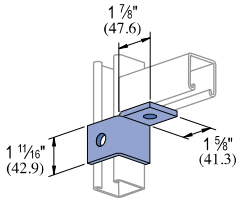
Wt/100 pcs: 76 Lbs (34.5 kg)

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm) with steel meeting or exceeding ASTM A1011 SS GR 33, or 0.220" (5.6mm) with steel meeting or exceeding ASTM A1011 HSLAS GR 45

Wing Shape Fittings

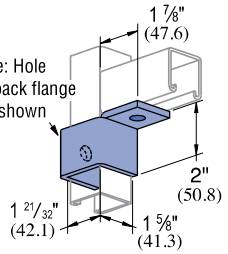
P2341 R-L — EG, GR, HG



R - As shown
L - Opposite hand

Wt/100 pcs: 60 Lbs (27.2 kg)

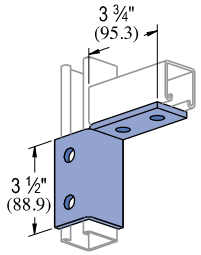
P2472 R-L — EG, GR, HG



R - As shown
L - Opposite hand

Wt/100 pcs: 75 Lbs (34.0 kg)

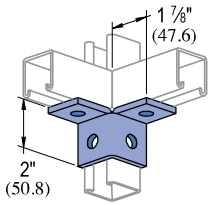
P2343 R-L — EG, GR, HG



R - As shown
L - Opposite hand

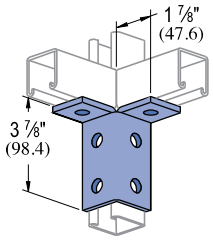
Wt/100 pcs: 119 Lbs (54.0 kg)

P2223 — EG, GR, HG



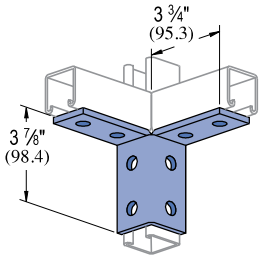
Wt/100 pcs: 76 Lbs (34.5 kg)

P2224 — EG, GR, HG



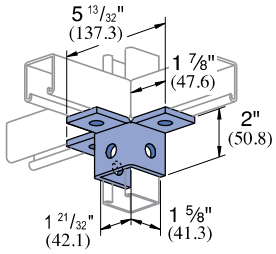
Wt/100 pcs: 115 Lbs (52.2 kg)

P2225 — EG, GR, HG



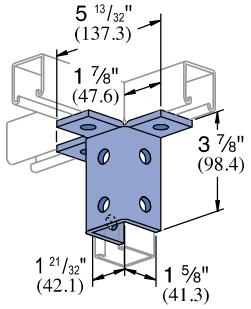
Wt/100 pcs: 155 Lbs (70.3 kg)

P2227 — EG, GR, HG



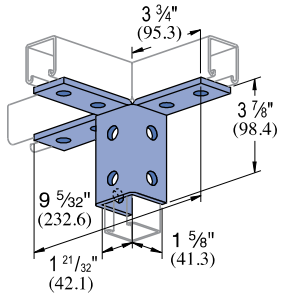
Wt/100 pcs: 113 Lbs (51.3 kg)

P2228 — EG, GR, HG



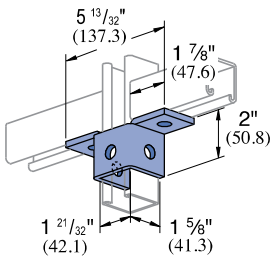
Wt/100 pcs: 177 Lbs (80.3 kg)

P2229 — EG, GR, HG



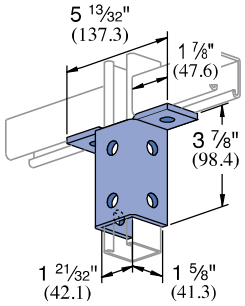
Wt/100 pcs: 230 Lbs (104.3 kg)

P2345 — EG, GR, HG



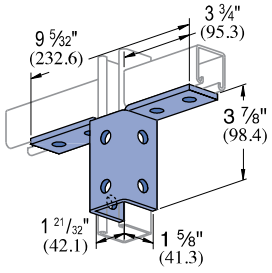
Wt/100 pcs: 93 Lbs (42.2 kg)

P2346 — EG, GR, HG



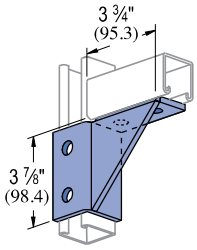
Wt/100 pcs: 150 Lbs (68.0 kg)

P2347 — EG, GR, HG



Wt/100 pcs: 193 Lbs (87.5 kg)

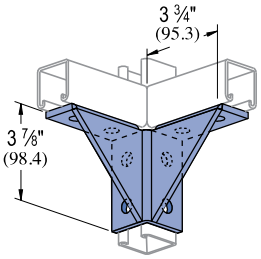
P2344 R-L — EG, GR, HG



R - As shown
L - Opposite hand

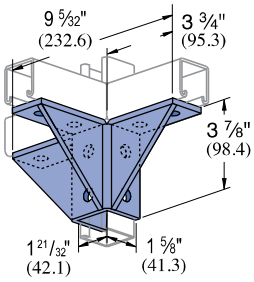
Wt/100 pcs: 176 Lbs (79.8 kg)

P2226 — EG, GR, HG



Wt/100 pcs: 217 Lbs (98.4 kg)

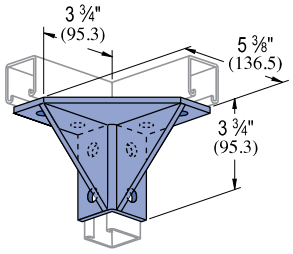
P2230 — EG, GR, HG



Wt/100 pcs: 310 Lbs (140.6 kg)

P2245 — EG, GR, HG

Fitting notched for continuous vertical.

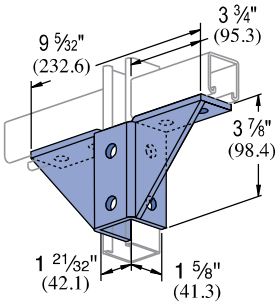


Wt/100 pcs: 315 Lbs (142.9 kg)

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*

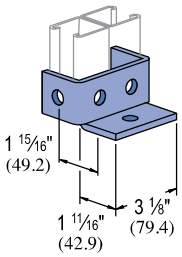
Hole Diameter: ⁹⁄₁₆" (14.3mm); Hole Spacing - From End: ¹³⁄₁₆" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm) with steel meeting or exceeding ASTM A1011 SS GR 33, or 0.220" (5.6mm) with steel meeting or exceeding ASTM A1011 HSLAS GR 45

P2348 EG, GR, HG



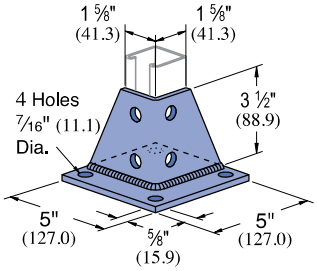
Wt/100 pcs: 274 Lbs (124.3 kg)

P2453 EG, GR, HG



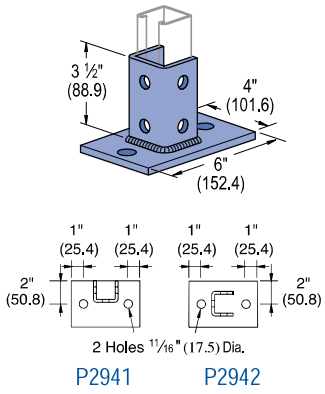
Wt/100 pcs: 116 Lbs (52.6 kg)

P1887 EG, GR, HG



Wt/100 pcs: 297 Lbs (134.8 kg)

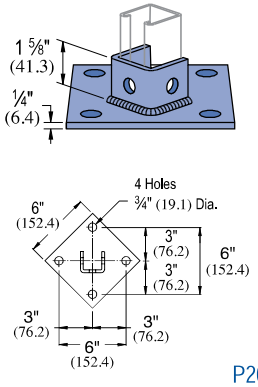
P2941, P2942 EG, GR, HG



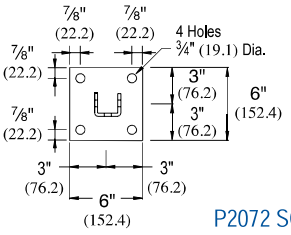
P2941 P2942

Wt/100 pcs: 358 Lbs (162.4 kg)

P2072, P2072 SQ EG, GR, HG



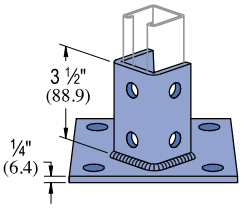
P2072

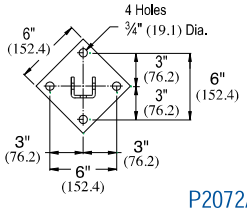


P2072 SQ

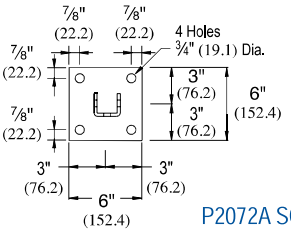
Wt/100 pcs: 307 Lbs (139.3 kg)

P2072A, P2072A SQ DF, EG, GR, HG





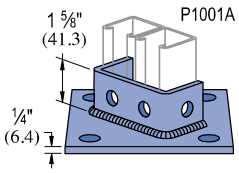
P2072A

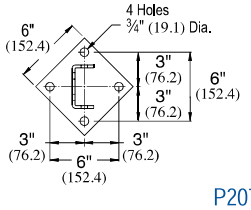


P2072A SQ

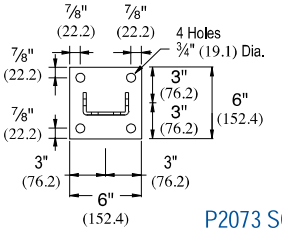
Wt/100 pcs: 373 Lbs (169.2 kg)

P2073, P2073 SQ EG, GR, HG





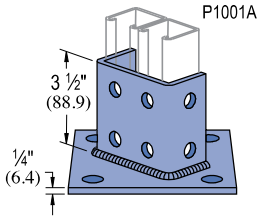
P2073

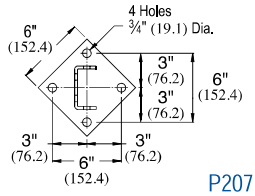


P2073 SQ

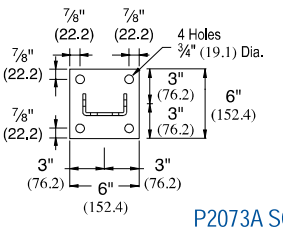
Wt/100 pcs: 325 Lbs (147.4 kg)

P2073A, P2073A SQ EG, GR, HG





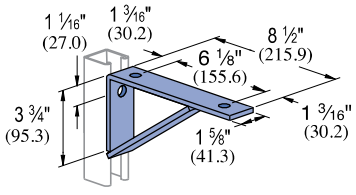
P2073A



P2073A SQ

Wt/100 pcs: 408 Lbs (185.1 kg)

P1769 EG, GR



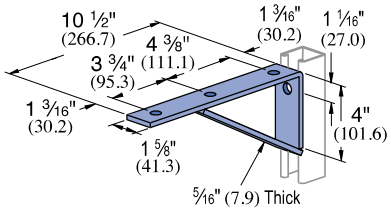
Material: ¼" (6.4) thick steel.

Vertical Channel Part No.	Gauge	Uniform Design Load Lbs *(kN)*
P1000	12	800 *3.56*
P1100	14	600 *2.67*
P2000	16	400 *1.81*

Safety Factor 2½

Wt/100 pcs: 174 Lbs (78.9 kg)

P1771 EG, GR



Material: ¼" (6.4) thick steel.

Vertical Channel Part No.	Gauge	Uniform Design Load Lbs *(kN)*
P1000	12	800 *3.56*
P1100	14	600 *2.67*
P2000	16	400 *1.81*

Safety Factor 2½

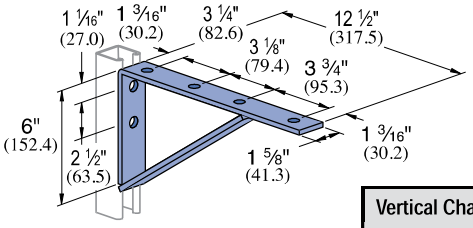
Wt/100 pcs: 206 Lbs (93.4 kg)

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*

Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm) with steel meeting or exceeding ASTM A1011 SS GR 33, or 0.220" (5.6mm) with steel meeting or exceeding ASTM A1011 HSLAS GR 45

P1773

EG, GR



Vertical Channel Part No.	Gauge	Uniform Design Load Lbs *(kN)*
P1000	12	900 *(4.00)*
P1100	14	800 *(3.56)*
P2000	16	450 *(2.04)*

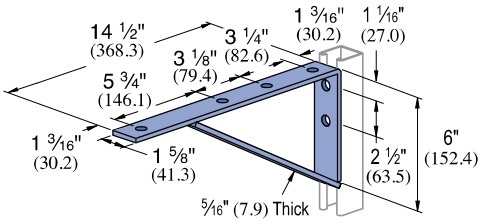
Material: ¼" (6.4) thick steel.

Safety Factor 2½

Wt/100 pcs: 264 Lbs (119.7 kg)

P1775

EG, GR



Vertical Channel Part No.	Gauge	Uniform Design Load Lbs *(kN)*
P1000	12	900 *(4.00)*
P1100	14	800 *(3.56)*
P2000	16	450 *(2.04)*

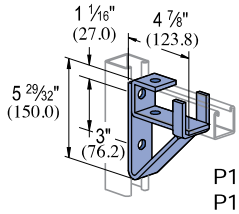
Material: ¼" (6.4) thick steel.

Safety Factor 2½

Wt/100 pcs: 295 Lbs (133.8 kg)

P1075

EG, GR



P1000
P1100
P2000
P4001

Vertical Channel Part No.	Gauge	Allowable Moment* In-Lbs *(N•M)*
P1000	12	5,100 *(576)*
P1100	14	4,400 *(497)*
P2000	16	3,200 *(362)*

Material: ¼" (6.4) thick steel.

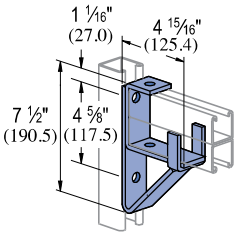
Safety Factor 2½

* Allowable moment for fitting only. Channel may determine overall capacity.

Wt/100 pcs: 229 Lbs (103.9 kg)

P1593

EG, GR



P1001
P1101
P5000
P2001

Vertical Channel Part No.	Gauge	Allowable Moment* In-Lbs *(N•M)*
P1000	12	13,000 *1,469*
P1100	14	9,100 *1,028*
P2000	16	6,500 *734*

Material: ¼" (6.4) thick steel.

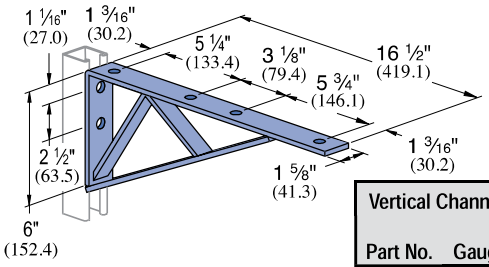
Safety Factor 2½

Wt/100 pcs: 272 Lbs (123.4 kg)

* Allowable moment for fitting only. Channel may determine overall capacity.

P1777

EG, GR



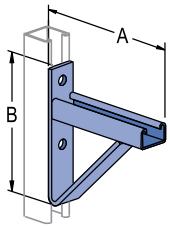
Vertical Channel Part No.	Gauge	Uniform Design Load Lbs *(kN)*
P1000	12	1,200 *(5.44)*
P1100	14	900 *(4.00)*
P2000	16	600 *(2.67)*

Material: ¼" (6.4) thick steel.

Safety Factor 2½

Wt/100 pcs: 385 Lbs (174.6 kg)

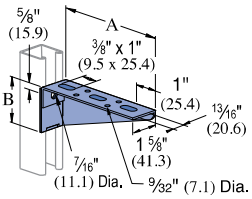
P2547 THRU P2551 CABLE TRAY BRACKET



Part Number	"A" In *(mm)*	"B" In *(mm)*	Wt/100 pcs Lbs *(kg)*	Uniform Load* Lbs *(kN)*
P2547	15 *381.0*	8¾ *222*	420 *190.5*	1,000 *4.45*
P2548	21 *533.4*	8¾ *222*	628 *284.9*	1,000 *4.45*
P2549	27 *685.8*	11¼ *286*	860 *390.1*	900 *4.00*
P2550	33 *838.2*	11¼ *286*	1010 *458.1*	900 *4.00*
P2551	39 *990.6*	16 *406.4*	1257 *683.3*	800 *3.56*

P2491 R-L THRU P2493 R-L

EG, GR



R - As shown; L - Opposite hand

Material : 12 Gauge Steel.

Vertical Channel Part No.	Gauge	Uniform Design Load Lbs *(kN)*
P1000	12	300 *(1.33)*
P1100	14	250 *(1.11)*
P2000	16	200 *(.89)*

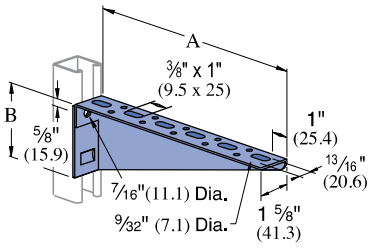
Safety Factor - 2½

Part Number	Stamped Ident. No.	"A" In *(mm)*	"B" In *(mm)*	Wt/100 pcs Lbs *(kg)*
P2491 R-L	121892 R-L	6 *152.4*	1 15/16 *49.2*	67 *30.4*
P2492 R-L	121893 R-L	8 *203.2*	2 7/16 *61.9*	92 *41.7*
P2493 R-L	121894 R-L	10 *254.0*	2 15/16 *74.6*	120 *54.4*

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*

Hole Diameter: ⁹⁄₁₆" (14.3mm); Hole Spacing - From End: ¹³⁄₁₆" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm) with steel meeting or exceeding ASTM A1011 SS GR 33, or 0.220" (5.6mm) with steel meeting or exceeding ASTM A1011 HSLAS GR 45

P2494 R-L THRU P2499 R-L



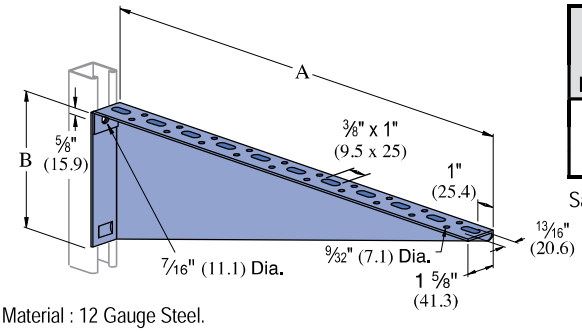
Material : 12 Gauge Steel.
R - As shown; L - Opposite hand

Vertical Channel		Uniform Design Load
Part No.	Gauge	Lbs *(kN)*
P1000	12	300 *(1.33)*
P1100	14	250 *(1.11)*
P2000	16	200 *(.89)*

Safety Factor - 2½

Part Number	Stamped Ident. No.	"A" In *(mm)*	"B" In *(mm)*	Wt/100 pcs Lbs *(kg)*
P2494 R-L	121895 R-L	12 *304.8*	3 7/16 *87.3*	152 *68.9*
P2495 R-L	121896 R-L	14 *355.6*	3 15/16 *100.0*	173 *78.5*
P2496 R-L	121897 R-L	16 *406.4*	4 7/16 *112.7*	223 *101.2*
P2497 R-L	121898 R-L	18 *457.2*	4 15/16 *125.4*	266 *120.7*
P2498 R-L	121899 R-L	20 *508.0*	5 7/16 *138.1*	308 *139.7*
P2499 R-L	121900 R-L	22 *558.8*	5 15/16 *150.8*	355 *161.0*

P2500 R-L THRU P2503 R-L



Material : 12 Gauge Steel.
R - As shown; L - Opposite hand

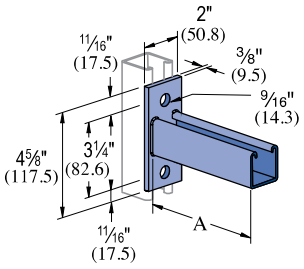
Vertical Channel		Uniform Design Load
Part No.	Gauge	Lbs *(kN)*
P1000	12	300 *(1.33)*
P1100	14	250 *(1.11)*
P2000	16	200 *(.89)*

Safety Factor - 2½

Part Number	Stamped Ident. No.	"A" In *(mm)*	"B" In *(mm)*	Wt/100 pcs Lbs *(kg)*
P2500 R-L	121901 R-L	24 *609.6*	6 7/16 *164*	400 *181.4*
P2501 R-L	121902 R-L	26 *660*	6 15/16 *176*	445 *201.8*
P2502 R-L	121903 R-L	28 *711*	7 7/16 *189*	493 *223.6*
P2503 R-L	121904 R-L	30 *762.0*	7 15/16 *202*	545 *247.2*

P2944, P2945, P2946, P2947

EG, GR, HG

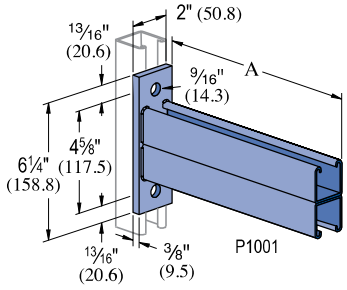


Part Number	"A" In *(mm)*	Wt/100 pcs Lbs *(kg)*	Uniform Load* Lbs *(kN)*
P2944	6 *152.4*	185 *84*	1200 *5.34*
P2945	12 *304.8*	293 *133*	600 *2.67*
P2946	18 *457.2*	401 *182*	400 *1.78*
P2947	24 *609.6*	509 *231*	300 *1.33*

Safety Factor 2½
* Mounted on 12 Ga. Channel

P2542 THRU P2546

EG, GR, HG



Safety Factor - 2½

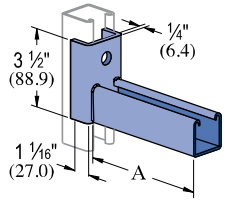
Part Number	"A" In *(mm)*	Wt/100 pcs Lbs *(kg)*	Vertical Channel Part No.	Gauge	Uniform Design Load Lbs *(kN)*
P2542	12 *304.8*	502 *228*	P1000	12	2,000 *(8.90)*
			P1100	14	1,400 *(6.23)*
			P2000	16	1,000 *(4.45)*
P2543	18 *457.2*	692 *314*	P1000	12	1,300 *(5.78)*
			P1100	14	900 *(4.00)*
			P2000	16	650 *(2.89)*
P2544	24 *609.6*	882 *400*	P1000	12	1,000 *(4.45)*
			P1100	14	700 *(3.11)*
			P2000	16	500 *(2.22)*
P2545	30 *762.0*	1,072 *486*	P1000	12	800 *(3.56)*
			P1100	14	560 *(2.49)*
			P2000	16	400 *(1.78)*
P2546	36 *914.4*	1,262 *572*	P1000	12	650 *(2.89)*
			P1100	14	450 *(2.00)*
			P2000	16	320 *(1.42)*

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1⅛" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm) with steel meeting or exceeding ASTM A1011 SS GR 33, or 0.220" (5.6mm) with steel meeting or exceeding ASTM A1011 HSLAS GR 45

Atkore Unistrut

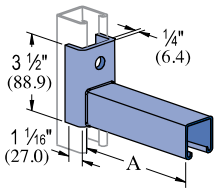
P2231, P2232



Part Number	"A" In *(mm)*	Wt/100 pcs Lbs *(kg)*	Vertical Channel Part No.	Gauge	Uniform Design Load Lbs *(kN)*
P2231	6 *152.4*	191 *86.6*	P1000	12	1,600 *(7.12)*
			P1100	14	1,200 *(5.34)*
			P2000	16	800 *(3.56)*
P2232	12 *304.8*	292 *132.4*	P1000	12	800 *(3.56)*
			P1100	14	600 *(2.67)*
			P2000	16	400 *(1.78)*

Safety Factor - 2½

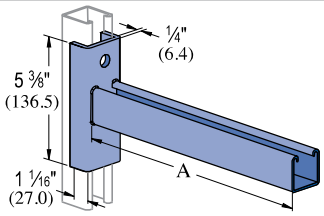
P2231A, P2232A



Part Number	"A" In *(mm)*	Wt/100 pcs Lbs *(kg)*	Vertical Channel Part No.	Gauge	Uniform Design Load Lbs *(kN)*
P2231A	6 *152.4*	191 *86.6*	P1000	12	1,600 *(7.12)*
			P1100	14	1,200 *(5.34)*
			P2000	16	800 *(3.56)*
P2232A	12 *304.8*	292 *132.4*	P1000	12	800 *(3.56)*
			P1100	14	600 *(2.67)*
			P2000	16	400 *(1.78)*

Safety Factor - 2½

P2233, P2234

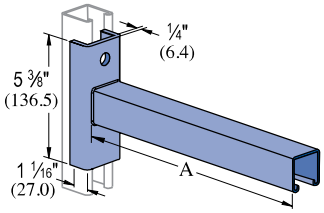


Part Number	"A" In *(mm)*	Wt/100 pcs Lbs *(kg)*	Vertical Channel Part No.	Gauge	Uniform Design Load Lbs *(kN)*
P2233	18 *457.2*	436 *197.8*	P1000	12	600 *(2.67)*
			P1100	14	450 *(2.00)*
			P2000	16	300 *(1.33)*
P2234	24 *609.6*	536 *243.1*	P1000	12	450 *(2.00)*
			P1100	14	330 *(1.47)*
			P2000	16	220 *(.98)*

Safety Factor - 2½

P2233A, P2234A

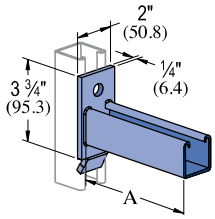
GR, HG



Part Number	"A" In *(mm)*	Wt/100 pcs Lbs *(kg)*	Vertical Channel Part No.	Gauge	Uniform Design Load Lbs *(kN)*
P2233A	18 *457.2*	436 *197.8*	P1000	12	600 *(2.67)*
			P1100	14	450 *(2.00)*
			P2000	16	300 *(1.33)*
P2234A	24 *609.6*	536 *243.1*	P1000	12	450 *(2.00)*
			P1100	14	330 *(1.47)*
			P2000	16	220 *(.98)*

Safety Factor - 2½

P2513 THRU P2516

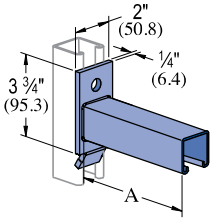


When installed in inverted position use 60% of loads shown.

Safety Factor 2½

Part Number	"A" In *(mm)*	Wt/100 pcs Lbs *(kg)*	Vertical Channel Part No.	Gauge	Uniform Design Load Lbs *(kN)*
P2513	6 *152.4*	161 *73.0*	P1000	12	1,200 *(5.34)*
			P1100	14	800 *(3.56)*
			P2000	16	600 *(2.67)*
P2514	12 *304.8*	261 *118.4*	P1000	12	600 *(2.67)*
			P1100	14	400 *(1.78)*
			P2000	16	300 *(1.33)*
P2515	18 *457.2*	361 *163.7*	P1000	12	400 *(1.78)*
			P1100	14	270 *(1.20)*
			P2000	16	200 *(.89)*
P2516	24 *609.6*	461 *209.1*	P1000	12	300 *(1.33)*
			P1100	14	200 *(.89)*
			P2000	16	150 *(.67)*

P2513A THRU P2516A



When installed in inverted position use 60% of loads shown.

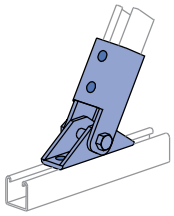
Safety Factor 2½

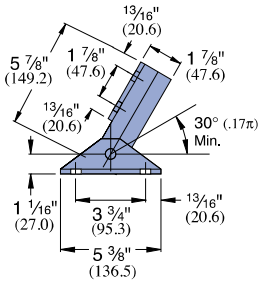
Part Number	"A" In *(mm)*	Wt/100 pcs Lbs *(kg)*	Vertical Channel Part No.	Gauge	Uniform Design Lbs *(kN)*
P2513A	6 *152.4*	161 *73.0*	P1000	12	1,200 *(5.34)*
			P1100	14	800 *(3.56)*
			P2000	16	600 *(2.67)*
P2514A	12 *304.8*	261 *118.4*	P1000	12	600 *(2.67)*
			P1100	14	400 *(1.78)*
			P2000	16	300 *(1.33)*
P2515A	18 *457.2*	361 *163.7*	P1000	12	400 *(1.78)*
			P1100	14	270 *(1.20)*
			P2000	16	200 *(.89)*
P2516A	24 *609.6*	461 *209.1*	P1000	12	300 *(1.33)*
			P1100	14	200 *(.89)*
			P2000	16	150 *(.67)*

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*

Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅛" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm)

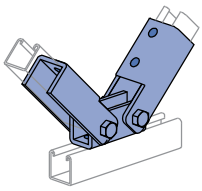
P2815 Adjustable Brace Fitting EG HG

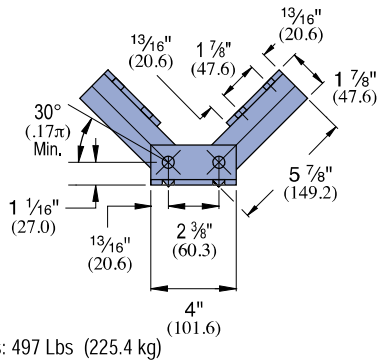




Wt/100 pcs: 307 Lbs (139.3 kg)

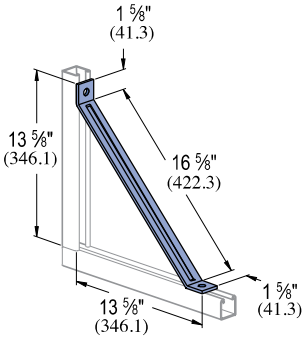
P2815D Adjustable Brace Fitting





Wt/100 pcs: 497 Lbs (225.4 kg)

P2452 Knee Brace EG GR

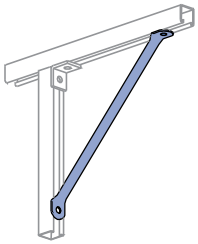


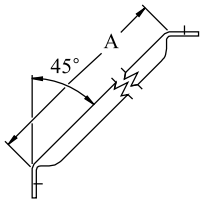
Design Axial Load
1200 Lbs (5.34 kN)

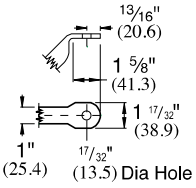
Material: ¼" (6.4) thick steel.

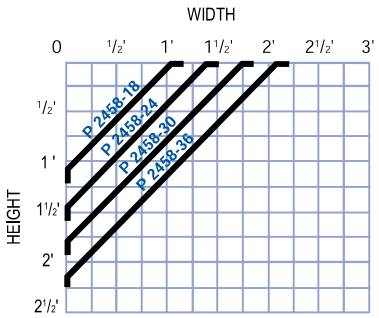
Wt/100 pcs: 277 Lbs (125.6 kg)

P2458-18 thru P2458-36 Tubular Knee Braces





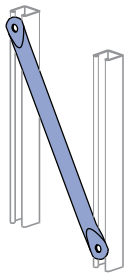


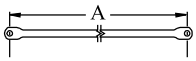


Part Number	"A" In *(mm)*	Wt/100 pcs Lbs *(kg)*
P2458-18	18 *457.2*	146 *66.2*
P2458-24	24 *609.6*	186 *84.4*
P2458-30	30 *762.0*	227 *103.0*
P2458-36	36 *914.4*	267 *121.1*

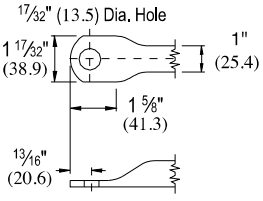
Design Loads
Compression = 1500 Lbs (6.67 kN)
Tension = 300 Lbs (1.33 kN)

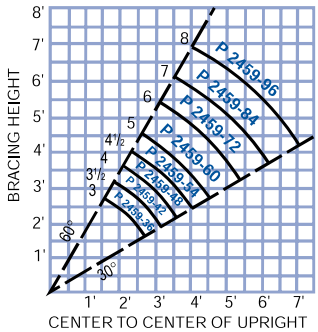
P2459-36 thru P2459-96 Tubular Back Braces EG GR





1. The vertical lines of the graph correspond to the center to center line dimension of the uprights.
2. Along this vertical line locate the (maximum usable) horizontal bracing height line.
3. The arc line that intersects the point formed by the intersection of the two lines, indicates the brace required.
4. 30° - 60° maximum, minimum brace angles are indicated for maximum effect.





Part Number	"A" In *(mm)*	Wt/100 pcs Lbs *(kg)*
P2459-36	36 *914.4*	255 *115.7*
P2459-42	42 *1,066.8*	296 *134.3*
P2459-48	48 *1,219.2*	336 *152.4*
P2459-54	54 *1,371.6*	377 *171.0*
P2459-60	60 *1,524.0*	418 *189.6*
P2459-72	72 *1,828.8*	499 *226.3*
P2459-84	84 *2,133.6*	580 *263.1*
P2459-96	96 *2,438.4*	661 *299.8*

Standard Dimensions for 1⅝" (41.3mm) width series channel fittings *(Unless Otherwise Shown on Drawing)*

Hole Diameter: 9⁄16" (14.3mm); Hole Spacing - From End: 13⁄16" (20.6mm); Hole Spacing - On Center: 1⅞" (47.6mm); Width: 1⅝"(41.3mm); Thickness: ¼" (6.4mm) with steel meeting or exceeding ASTM A1011 SS GR 33, or 0.220" (5.6mm) with steel meeting or exceeding ASTM A1011 HSLAS GR 45