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## MATERIAL

Fittings, unless noted, are made from hot-rolled, pickled and oiled steel plates, strip or coil, and conform to ASTM specifications A575, A576, A635, or A36. The fitting steel also meets the physical requirements of ASTM A1011 SS 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).

## 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, 1 5/8" square, except where noted otherwise.

All 9/16" diameter holes use 1/2" x 1 5/16" hex head cap screws and 1/2" 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	1/4"-20	5/16"-18	3/8"-16	1/2"-13	5/8"-11	3/4"-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	1/4"-20	5/16"-18	3/8"-16	1/2"-13	5/8"-11	3/4"-10
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

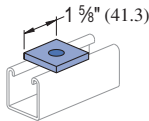
Design load data, where shown, is based on the ultimate strength of the connection with a safety factor of 2.5, unless otherwise noted.

## 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.

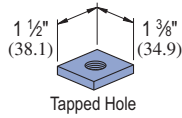
# Flat Plate Fittings

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



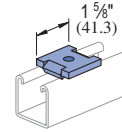
Part No.	Bolt Size	Hole Size	Wt/100 pcs Lbs (kg)
P1062	5/16"	1 1/32"	18 (8.2)
P1063	3/8"	7/16"	18 (8.2)
P1064	1/2"	9/16"	17 (7.7)
P1964	5/8"	1 1/16"	16 (7.3)
P2471	3/4"	1 3/16"	15 (6.8)
P2490	7/8"	1 5/16"	14 (6.4)

**P1959, P1960, P1961** EG, GR, HG



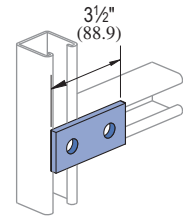
Part Number	U.S. Std. Thd Size	Wt/100 pcs Lbs (kg)
P1959	3/8" - 16	21 (9.5)
P1960	1/2" - 13	20 (9.1)
P1961	5/8" - 11	19 (8.6)

**P2862, 2863, 2864** EG, GR, HG



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

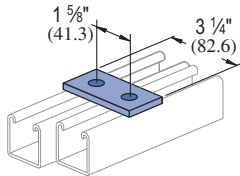
**P1065** EG, GR, HG



Material: 3/8" (9.5 mm) thick

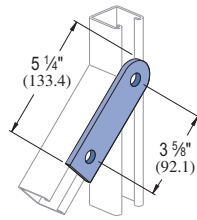
Wt/100 pcs: 38 Lbs (17.2 kg)

**P1924** EG, GR, HG



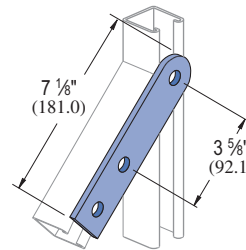
Wt/100 pcs: 35 Lbs (15.9 kg)

**P2325** EG, GR, HG



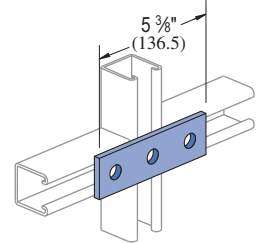
Wt/100 pcs: 55 Lbs (24.9 kg)

**P2324** EG, GR, HG



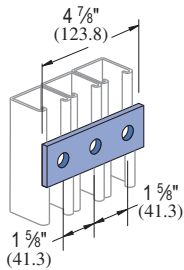
Wt/100 pcs: 75 Lbs (34.0 kg)

**P1066** EG, GR, HG



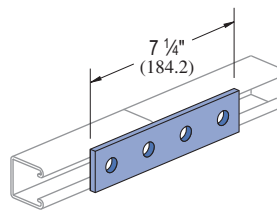
Wt/100 pcs: 56 Lbs (25.4 kg)

**P1925** EG, GR, HG



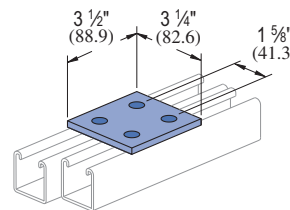
Wt/100 pcs: 50 Lbs (22.7 kg)

**P1067** EG, GR, HG



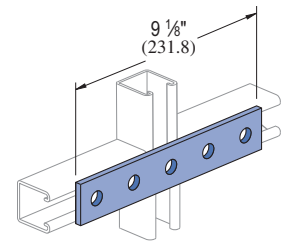
Wt/100 pcs: 78 Lbs (35.4 kg)

**P2079** EG, GR, HG



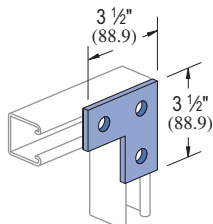
Wt/100 pcs: 73 Lbs (33.1 kg)

**P1941** EG, GR, HG



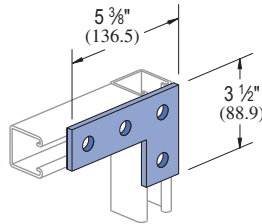
Wt/100 pcs: 94 Lbs (42.6 kg)

**P1036** EG, GR, HG



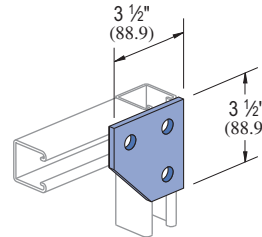
Wt/100 pcs: 58 Lbs (26.3 kg)

**P1380 A** EG, GR, HG



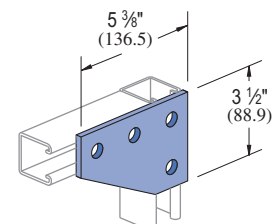
Wt/100 pcs: 80 Lbs (36.3 kg)

**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 1 5/8" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 5/16" (14.3mm); Hole Spacing - From End: 1 3/16" (20.6mm); Hole Spacing - On Center: 1 7/8" (47.6mm); Width: 1 5/8" (41.3mm); Thickness: 3/8" (9.5mm)