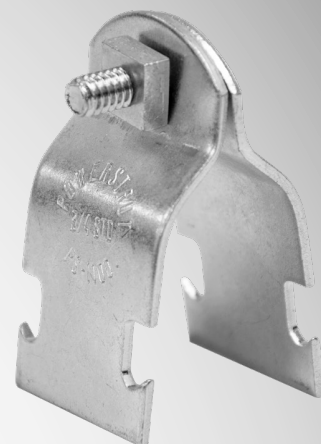
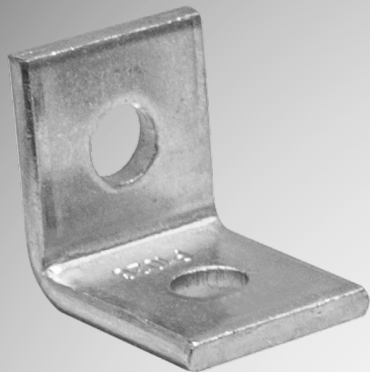
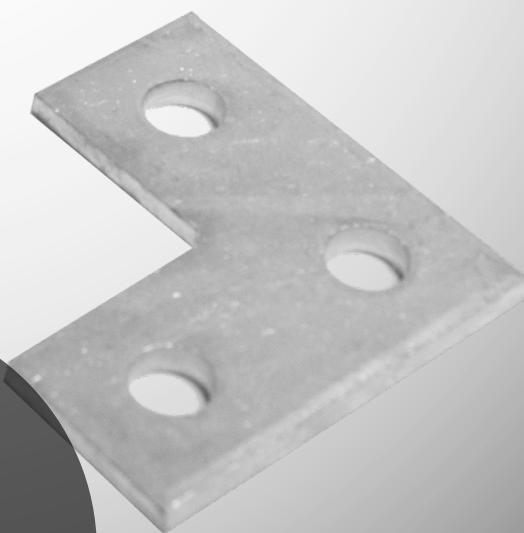
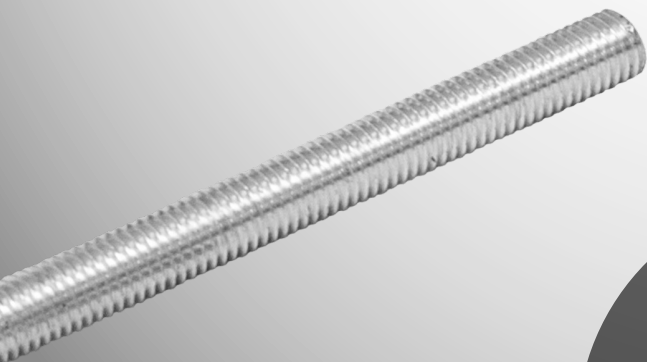
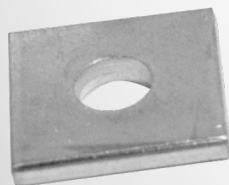
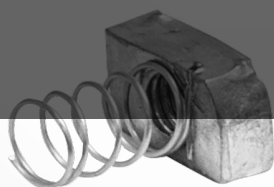


KOREFIT™

Fittings • Pipe Clamps • Post Bases • Hardware



A PART OF



KOREFIT™

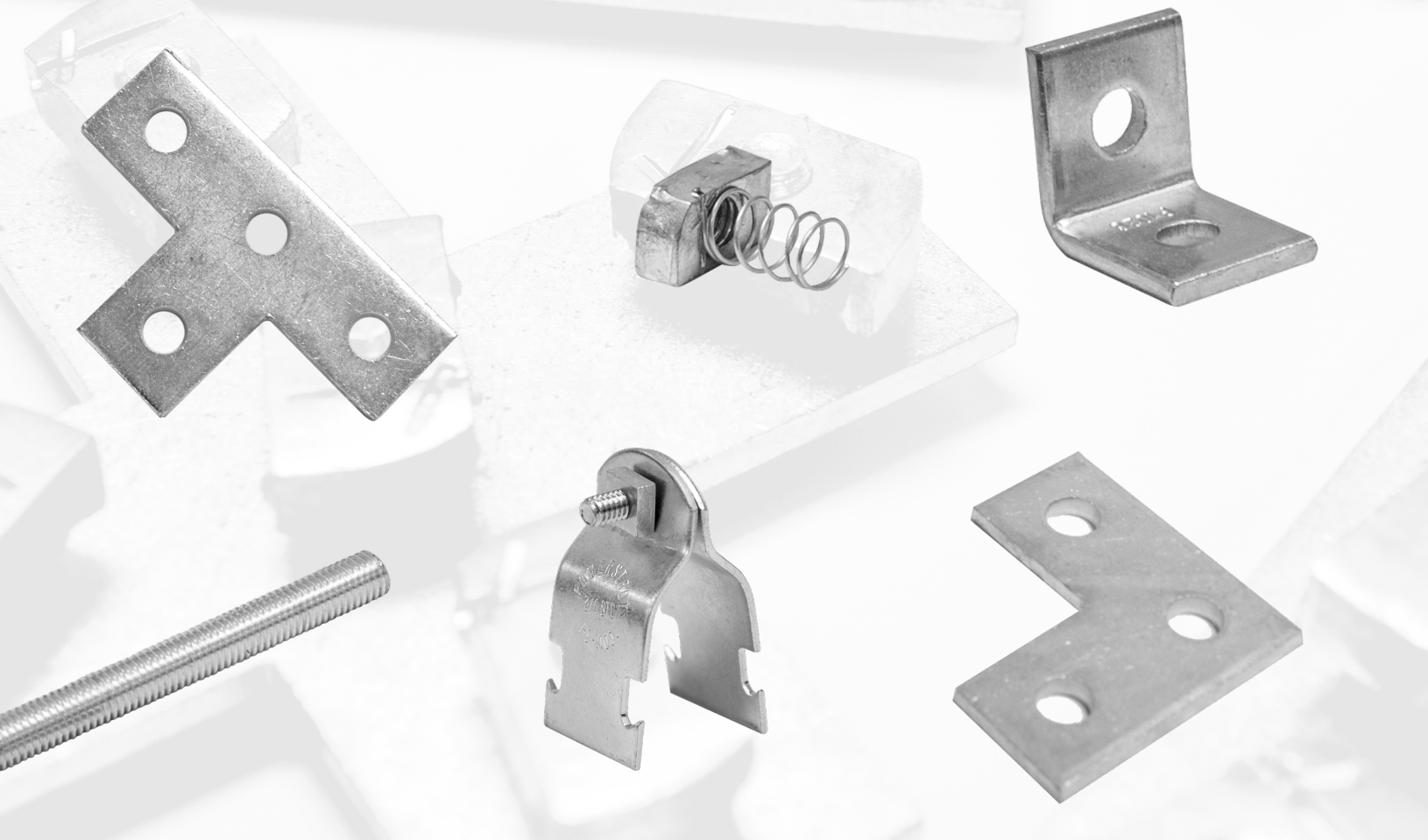
FITTINGS LINE FOR STRUT CHANNEL FRAMING

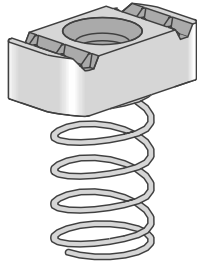
Atkore International is a leading Strut Metal Framing manufacturer for the North American and International markets. With a legacy of over 90 years of experience and a strong focus on continuous product improvement, we are proud to introduce the KoreFit fittings line.

KoreFit is designed for compatibility with all North American 1 5/8" Strut Channel systems and has been value engineered to out-compete other low-cost, imported products without sacrificing quality and performance. Rest easy knowing that you are getting a reliable product with KoreFit that will be perfect for many framing applications.

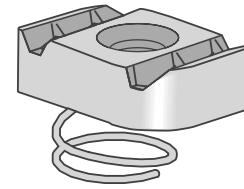
FEATURES & BENEFITS

- Products meet industry standard geometry, material grades and finishes
- Electro-galvanized finish
- Compatible with any 1 5/8" wide (industry standard) strut channel
- Manufactured to strict quality standards and a thorough performance review
- Value engineered to drive out costs
- Broad product offering of Fittings, Channel Nuts, Pipe & Conduit Clamps, and more
- Perfect for use in electrical, mechanical, HVAC, and other applications

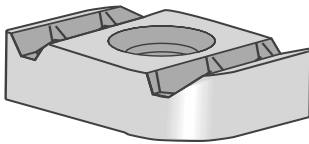


**Channel Nut with Short Spring**

Part Number	Size	Wt/100 pcs lbs. (kg)
KF4006-1420 EG	1/4" - 20	7 (3.2)
KF4008 EG	3/8" - 16	9 (4.1)
KF4010 EG	1/2" - 13	8 (3.6)

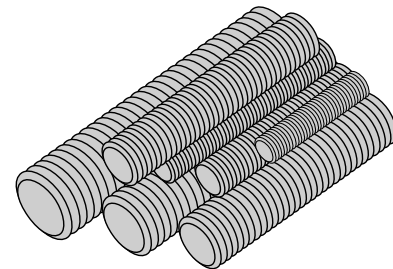
**Channel Nut with Spring**

Part Number	Size	Wt/100 pcs lbs. (kg)
KF1006-1420 EG	1/4" - 20	7 (3.2)
KF1008 EG	3/8" - 16	10 (4.5)
KF1010 EG	1/2" - 13	12 (5.4)

**Channel Nut without Spring**

Part Number	Size	Wt/100 pcs lbs. (kg)
KF3006-1420 EG	1/4" - 20	6 (2.7)
KF3008 EG	3/8" - 16	9 (4.1)
KF3010 EG	1/2" - 13	11 (5.0)
KF3013 EG*	1/2" - 13	8 (3.6)

*For use with shallow channel types (1" or shorter in height).

**Threaded Rod**

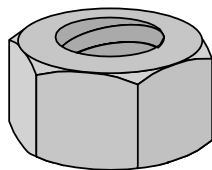
Part Number	Size	Wt/100 pcs lbs. (kg)
HTHR025 10EG	1/4" - 20	13 (5.9)
HTHR037 10EG	3/8" - 16	30 (13.6)
HTHR050 10EG	1/2" - 13	53 (24.0)

Standard Length 10' (3.0m). Also available at 6' (1.8m) and 12' (3.7m).

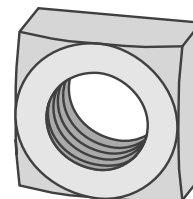
Low Carbon Steel Grade 1006 - 1010

F_y = 36,000 psi minimum

F_t = 58,000 psi minimum

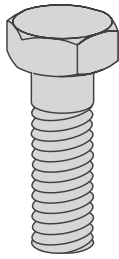
**Hex Nut**

Part Number	Size	Wt/100 pcs lbs. (kg)
HHXN025 EG	1/4"	0.6 (0.3)
HHXN037 EG	3/8"	1.6 (0.7)
HHXN050 EG	1/2"	4.8 (2.2)

**Square Nut**

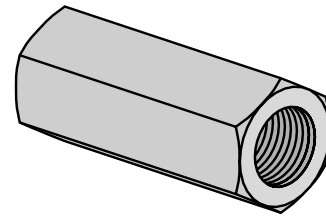
Part Number	Size	Wt/100 pcs lbs. (kg)
HSQN025 EG	1/4"	0.9 (0.4)
HSQN037 EG	3/8"	2.7 (1.2)
HSQN050 EG	1/2"	5.8 (2.6)

HARDWARE



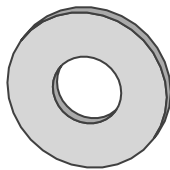
Hex Head Cap Screw

Part Number	Size	Wt/100 pcs lbs. (kg)
HHCS025075EG	1/4" x 3/4"	1.3 (0.6)
HHCS025150EG	1/4" x 1 1/2"	2.6 (1.2)
HHCS037100EG	3/8" x 1"	4.5 (2.0)
HHCS037150EG	3/8" x 1 1/2"	6.0 (2.7)
HHCS050094EG	1/2" x 15/16"	9.1 (4.1)
HHCS050119EG	1/2" x 1 3/16"	10.2 (4.6)
HHCS050150EG	1/2" x 1 1/2"	11.6 (5.3)



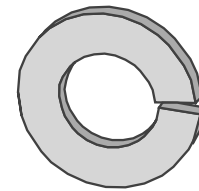
Hex Slotted Machine Screw

Part Number	Size	Length in. (mm)	Wt/100 pcs lbs. (kg)
HRCN025 EG	1/4" - 20	7/8" (22.2)	1.9 (0.9)
HRCN037 EG	3/8" - 16	1 3/4" (44.5)	9.0 (4.1)
HRCN050 EG	1/2" - 13	1 3/4" (44.5)	10.0 (4.5)



Flat Washer

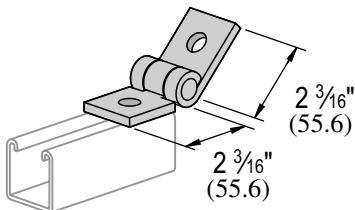
Part Number	Size	Wt/100 pcs lbs. (kg)
HFLW025 EG	1/4"	0.8 (0.4)
HFLW037 EG	3/8"	1.5 (0.7)
HFLW050 EG	1/2"	3.5 (1.6)



Lock Washer

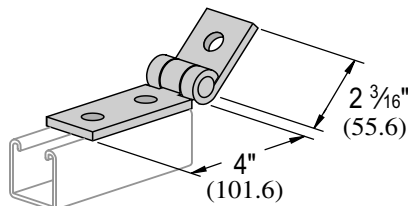
Part Number	Size	Wt/100 pcs lbs. (kg)
HLKW025 EG	1/4"	0.25 (0.1)
HLKW037 EG	3/8"	0.63 (0.3)
HLKW050 EG	1/2"	1.32 (0.60)

ADJUSTABLE HINGE CONNECTORS



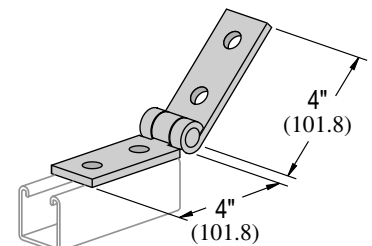
KF1843 EG

Wt/100 pcs: 68 lbs (30.8 kg)



KF1354A EG

Wt/100 pcs: 89 lbs (40.4 kg)

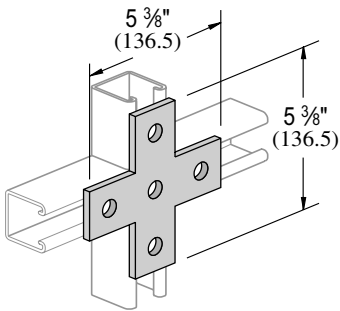


KF1354 EG

Wt/100 pcs: 109 lbs (49.4 kg)

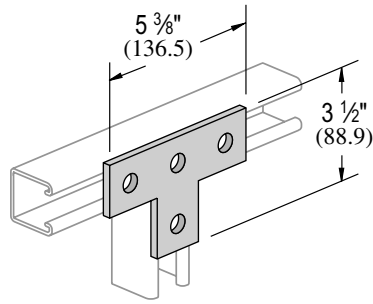
Standard Dimensions (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1 7/8" (47.6mm); Width: 1 5/8" (41.3mm); Thickness: 1/4" (6.4mm); Steel Minimum Yield Strength: 33 ksi, Steel Minimum Tensile Strength: 52 ksi.



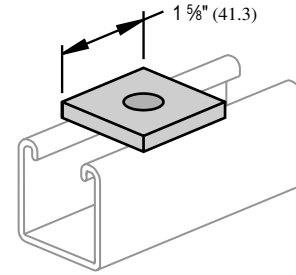
KF1028 EG

Wt/100 pcs: 105 lbs (47.6 kg)



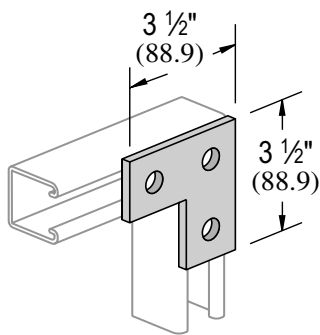
KF1031 EG

Wt/100 pcs: 80 lbs (36.3 kg)



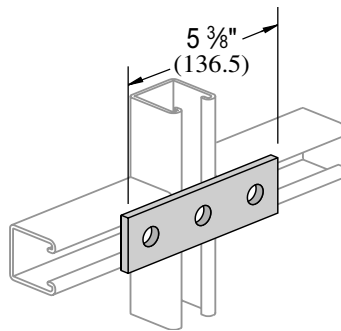
KF1062 EG - KF1064 EG

Part Number	Bolt Size	Bolt Size	Wt/100 pcs lbs. (kg)
KF1062 EG	5/16"	1 1/32"	18 (8.2)
KF1063 EG	3/8"	7/16"	18 (8.2)
KF1064 EG	1/2"	9/16"	17 (7.7)



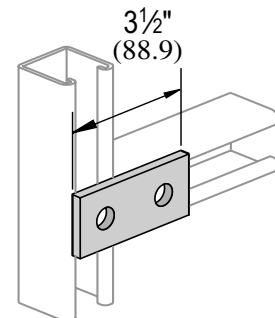
KF1036 EG

Wt/100 pcs: 58 lbs (26.3 kg)



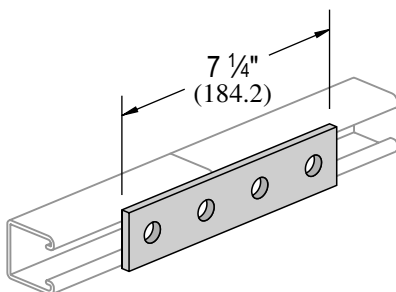
KF1066 EG

Wt/100 pcs: 56 lbs (25.4 kg)



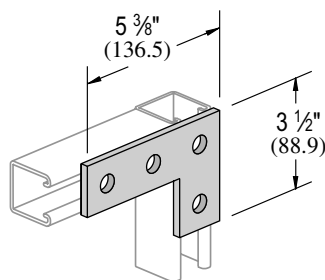
KF1065 EG

Wt/100 pcs: 38 lbs (17.2 kg)



KF1067 EG

Wt/100 pcs: 78 lbs (35.4 kg)



KF1380A EG

Wt/100 pcs: 80 lbs (36.3 kg)

KF1065: DESIGN LOAD DATA*

		Channel Thickness	
		12 ga.	14 ga.
		2,000 lbs	1,600 lbs

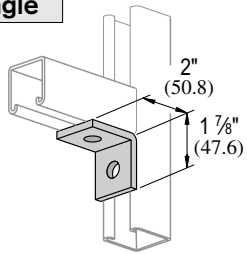
*Total design load per pair when used with a KF1010 EG Channel Nut and 1/2" HHCS Bolt. Safety factor = 2.5 based on the ultimate strength of the connection.

Standard Dimensions (Unless Otherwise Shown on Drawing)

Hole Diameter: 5/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1 7/8" (47.6mm); Width: 1 5/8" (41.3mm); Thickness: 1/4" (6.4mm); Steel Minimum Yield Strength: 33 ksi, Steel Minimum Tensile Strength: 52 ksi.

ANGLE, "U" AND "Z" FITTINGS

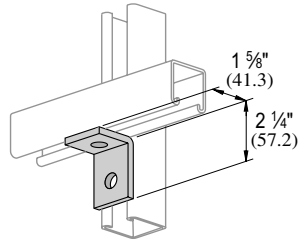
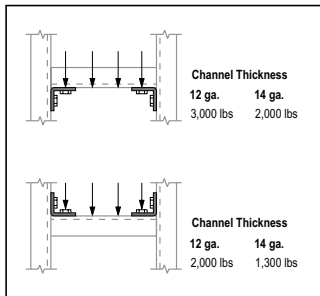
Angle



KF1026 EG

Wt/100 pcs: 38 lbs (17.2 kg)

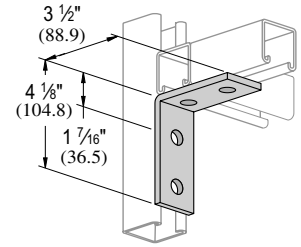
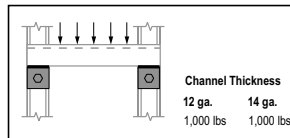
KF1026: DESIGN LOAD DATA*



KF1068 EG

Wt/100 pcs: 38 lbs (17.2 kg)

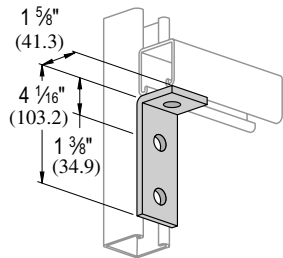
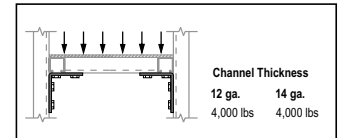
KF1068: DESIGN LOAD DATA*



KF1325 EG

Wt/100 pcs: 78 lbs (35.4 kg)

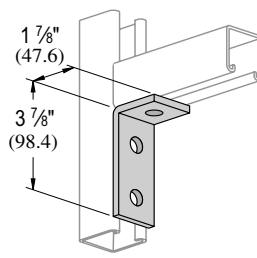
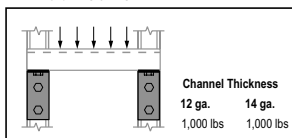
KF1325: DESIGN LOAD DATA*



KF1326 EG

Wt/100 pcs: 58 lbs (26.3 kg)

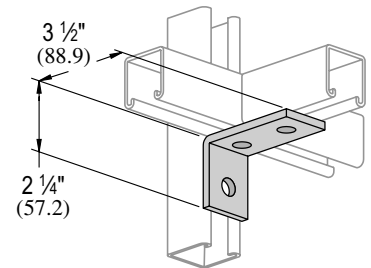
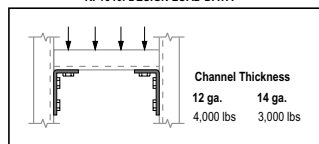
KF1326: DESIGN LOAD DATA*



KF1346 EG

Wt/100 pcs: 58 lbs (26.3 kg)

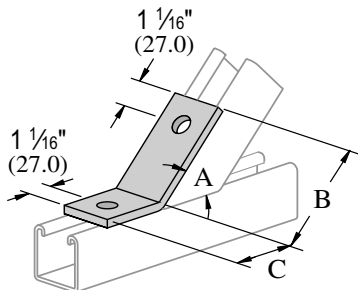
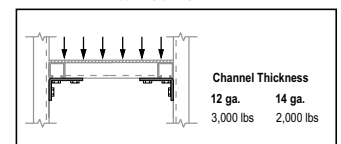
KF1346: DESIGN LOAD DATA*



KF1458 EG

Wt/100 pcs: 58 lbs (26.3 kg)

KF1458: DESIGN LOAD DATA*



KF1546 EG

Wt/100 pcs: 58 lbs (26.3 kg)

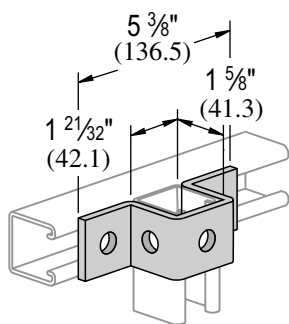
Part Number	"A" Degree (rad)	"B" In (mm)	"C" In (mm)
KF1546	45°	3	2 ⁵ / ₁₆
	0.79	76.2	58.7

*Total design load per pair when used with a KF1010 EG Channel Nut and 1/2" HHCS Bolt. Safety factor = 2.5 based on the ultimate strength of the connection.

Standard Dimensions (Unless Otherwise Shown on Drawing)

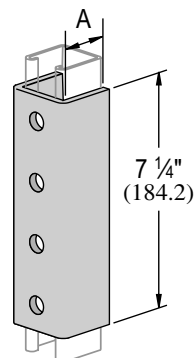
Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1 7/8" (47.6mm); Width: 1 5/8" (41.3mm); Thickness: 1/4" (6.4mm); Steel Minimum Yield Strength: 33 ksi, Steel Minimum Tensile Strength: 52 ksi.

"U" Shape



KF1047 EG

Wt/100 pcs: 88 lbs (39.9 kg)



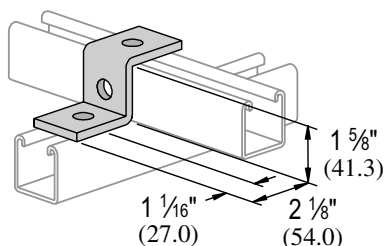
KF1377 EG

1 5/8" x 7 1/4" 4-Hole 'U' Shape

Part Number	For Use With	"A" In (mm)	Wt/100 pcs lbs. (kg)
KF1377	1 5/8" x 1 5/8" Channel Types	1 9/16	265
		39.7	120

Weight/100 pcs: 256lbs (116.2 kg)

"Z" Shape



KF1045 EG

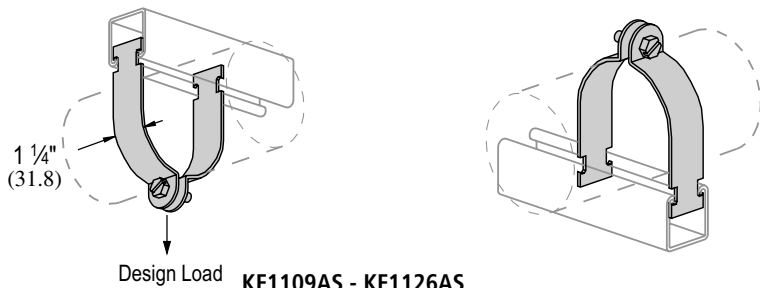
Wt/100 pcs: 55 lbs (24.9 kg)

Standard Dimensions (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 13/16" (20.6mm); Hole Spacing - On Center: 1 7/8" (47.6mm); Width: 1 5/8" (41.3mm); Thickness: 1/4" (6.4mm); Steel Minimum Yield Strength: 33 ksi, Steel Minimum Tensile Strength: 52 ksi.

PIPE / CONDUIT CLAMPS

KF1109AS THRU KF1126AS: PIPE CLAMPS FOR RIGID STEEL CONDUIT AND STEEL PIPE



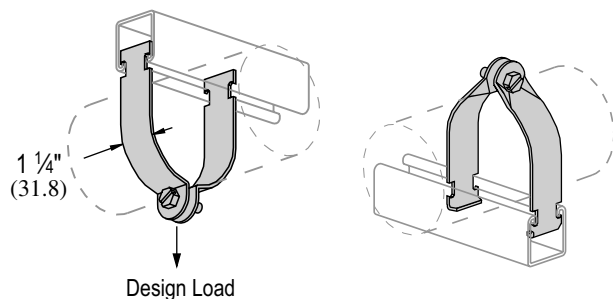
KF1109AS - KF1126AS

Part Number	Conduit Size in.	O.D. Size in. (mm)	Thickness Gauge in. (mm)	Wt/100 pcs lbs. (kg)	Design Load lbs. (kN)
KF1109AS EG	3/8"	0.675 17.1	16 1.5	10 4.5	400 1.78
KF1111AS EG	1/2"	0.840 21.3	16 1.5	11 5.0	400 1.78
KF1112AS EG	3/4"	1.050 26.7	14 1.9	15 6.8	600 2.67
KF1113AS EG	1"	1.315 33.4	14 1.9	17 7.7	600 2.67
KF1114AS EG	1 1/4"	1.660 42.2	14 1.9	19 8.6	600 2.67
KF1115AS EG	1 1/2"	1.900 48.3	12 2.7	29 13.2	800 3.56
KF1117AS EG	2"	2.375 60.3	12 2.7	34 15.4	800 3.56

KF1109AS - KF1126AS

Part Number	Conduit Size in.	O.D. Size in. (mm)	Thickness Gauge in. (mm)	Wt/100 pcs lbs. (kg)	Design Load lbs. (kN)
KF1118AS EG	2 1/2"	2.875 73.0	12 2.7	40 18.1	800 3.56
KF1119AS EG	3"	3.500 88.9	12 2.7	47 21.3	800 3.56
KF1120AS EG	3 1/2"	4.000 101.6	11 3.0	62 28.1	1,000 4.45
KF1121AS EG	4"	4.500 114.3	11 3.0	67 30.4	1,000 4.45
KF1123AS EG	5"	5.563 141.3	11 3.0	80 36.3	1,000 4.45
KF1124AS EG	6"	6.625 168.3	10 3.4	102 46.3	1,000 4.45
KF1126AS EG	8"	8.625 219.1	10 3.4	130 59.0	1,000 4.45

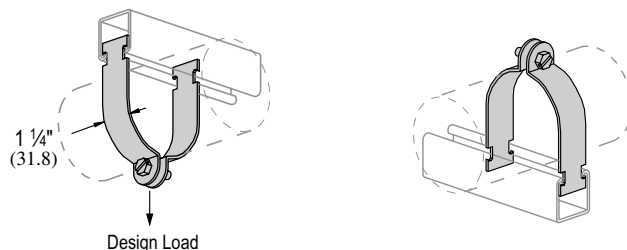
KF1211AS THRU KF1217AS: UNIVERSAL PIPE CLAMPS FOR RIGID OR THIN WALL CONDUIT



KF1212AS - KF1217AS

Part Number	Conduit Size in.	Thickness Gauge in. (mm)	Wt/100 pcs lbs. (kg)	Design Load lbs. (kN)
KF1211AS EG	1/2"	16	10	400
KF1212AS EG	3/4"	16	11	400
KF1213AS EG	1"	16	12	400
KF1214AS EG	1 1/4"	14	18	600
KF1215AS EG	1 1/2"	14	20	600
KF1217AS EG	2"	14	22	600

KF1425AS THRU KF1431AS: PIPE CLAMPS FOR THIN WALL CONDUIT (EMT)

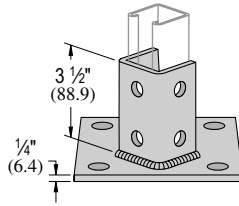


KF1425AS - KF1431AS

Part Number	Conduit Size in.	O.D. Size in. (mm)	Thickness Gauge in. (mm)	Wt/100 pcs lbs. (kg)	Design Load lbs. (kN)
KF1425AS EG	3/8"	0.577 9.5	16 1.5	9 4.1	400 1.78
KF1426AS EG	1/2"	0.706 12.7	16 1.5	11 5.0	400 1.78
KF1427AS EG	3/4"	0.922 19.1	16 1.5	12 5.4	400 1.78
KF1428AS EG	1"	1.163 25.4	14 1.9	15 6.8	600 2.67
KF1429AS EG	1 1/4"	1.510 31.8	14 1.9	18 8.2	600 2.67
KF1430AS EG	1 1/2"	1.740 38.1	12 2.7	29 13.2	800 3.56
KF1431AS EG	2"	2.197 50.8	12 2.7	33 15	800 3.56
KF1118AS EG	2 1/2"	2.875 63.5	12 2.7	40 18.1	800 3.56
KF1119AS EG	3"	3.500 76.2	12 2.7	47 21.3	800 3.56
KF1120AS EG	3 1/2"	4.000 88.9	11 3.0	62 28.1	1000 4.45
KF1121AS EG	4"	4.500 101.6	11 3.0	67 30.4	1000 4.45

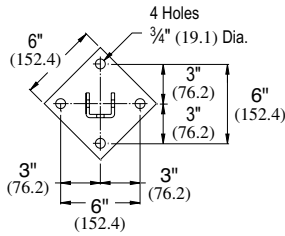
Note:

All pipe clamp styles include slotted hex head screw and nut.
"AS" parts are furnished assembled.

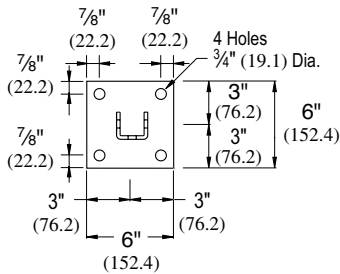


KF2072A EG, KF2072ASQ EG

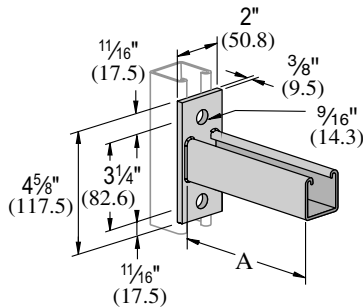
Wt/100 pcs: 373 lbs (169.2 kg)



KF2072A EG



KF2072ASQ EG

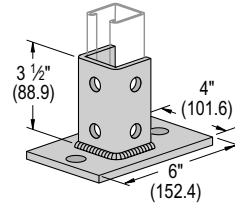


KF2945, KF2946, KF2947 EG

Part Number	"A" in. (mm)	Wt/100 pcs lbs. (kg)	Uniform Load* lbs. (kN)
KF2945	12 (304.8)	293 (133)	600 (2.67)
KF2946	18 (457.2)	401 (182)	400 (1.78)
KF2947	24 (609.6)	509 (231)	300 (1.33)

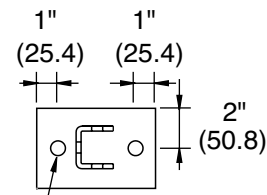
Safety Factor 2 1/2

*Mounted on 12 Ga. Channel



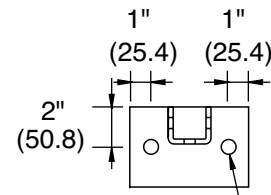
KF2941 EG, KF2942 EG

Wt/100 pcs: 358 lbs (162.4 kg)



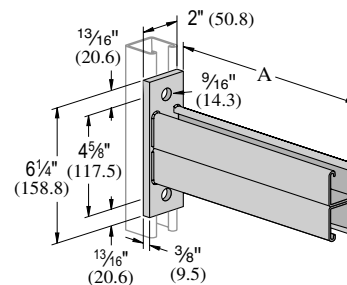
2 Holes 1 1/16" (17.5) Dia.

KF2941 EG



2 Holes 1 1/16" (17.5) Dia.

KF2942 EG

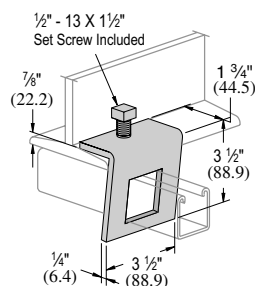


KF2542, KF2543, KF2544 EG

Part Number	"A" in. (mm)	Wt/100 pcs lbs. (kg)	Vertical Channel		Uniform Load
			Channel Type	Gauge	lbs. (kN)
KF2542	12 (304.8)	502 (228)	1½" x 1½"	12	2,000 (8.90)
				14	1,400 (6.23)
				16	1,000 (4.45)
KF2543	18 (457.2)	692 (314)		12	1,300 (5.78)
				14	900 (4.00)
				16	650 (2.89)
KF2544	24 (609.6)	882 (400)		12	1,000 (4.45)
				14	700 (3.11)
				16	500 (2.22)

Safety Factor 2 1/2

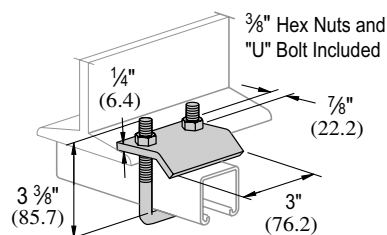
BEAM CLAMPS



Design Load Each
500 Lbs (2.22 kN)
Use in Pairs Only

KF1796S EG

Wt/100 pcs: 91 lbs (41.3 kg)

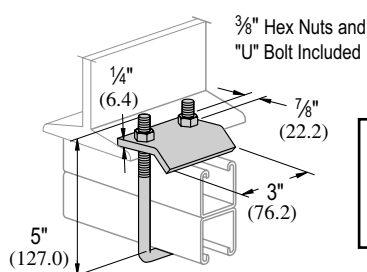


Design Load Each
1000 Lbs (4.45 kN)
Use in Pairs Only

KF2785 EG

Wt/100 pcs: 83 lbs (37.6 kg)

For use with Beams up to 3/4" (19.1) Flanges and with Channels
13/16" (20.6) to 1 3/4" (44.4) in height.

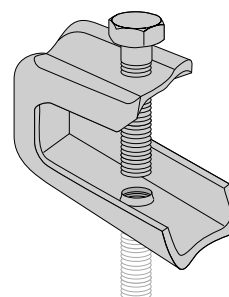


Design Load Each
1000 Lbs (4.45 kN)
Use in Pairs Only

KF2786 EG

Wt/100 pcs: 92 lbs (41.7 kg)

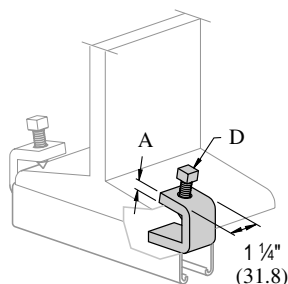
For use with Beams up to 3/4" (19.1) Flanges and with Channels
2 7/16" (61.9) and 3 1/4" (82.5) in height.



KF2893 EG

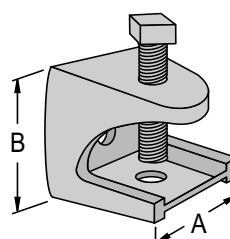
Wt/100 pcs: 14 lbs (6.4 kg)

Material: Steel
Use With: 1/4" rod
Load Rating: 75 lbs. (33 kN)



KF1272S, KF1985S

Part Number	"A" in. (mm)	Flange Thickness in. (mm)	"D" Set Screw Included	Wt/100 pcs lbs. (kg)	Design Load Per Pair (Use in pairs only) lbs. (kN)
KF1272S	1/4	Up to 3/4	3/8-16 x 1 1/2	39	450
	6.4	Up to 19.1		17.7	2.00
KF1985S	3/8	Up to 3/4	1/2-13 x 1 1/2	62	1,000
	9.5	Up to 19.1		28.1	4.45



Material: Malleable Iron
7/8" Maximum Flange Thickness
Note: Tapped Hole on Top and Bottom

KF2894 EG

Part Number	Rod Size in.	A in. (mm)	B in. (mm)	Load Ratings lbs. (kN)	Wt/100 pcs lbs. (kg)
KF2894-25	1/4	1 1/8 (28.6)	1 1/4 (31.8)	150 (.67)	23 (10.4)
KF2894-37	3/8	2 (50.8)	2 (50.8)	350 (1.56)	95 (43.1)
KF2894-50	1/2	2 5/8 (66.7)	2 1/2 (63.5)	400 (1.78)	195 (88.5)

Note: When used for mechanical supports, load capacities of brackets and fittings should be in compliance with the American Standard Code for Pressure Piping. Clamps are designed to be used with W, M, S & HP Shape beams, Standard C & Misc. MC Channels, Angles & Structural Tees. Clamps must be used in pairs where indicated.

TECHNICAL INFORMATION

MATERIALS (Fittings, Beam Clamps, Post Bases, Pipe Clamps)

Fittings, unless otherwise noted, are made from steel meeting the following specifications:

Yield Strength: 33,000 psi minimum

Tensile Strength: 52,000 psi minimum

Elongation (2" Gage Length): 23% minimum

FINISHES

Products are supplied with an Electro-galvanized (EG) finish.

APPLICATION (Fittings, Beam Clamps, Post Bases)

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 1 $\frac{5}{8}$ " square, except where noted otherwise.

All $\frac{9}{16}$ " diameter holes use $\frac{1}{2}$ " x $\frac{15}{16}$ " hex head cap screws and $\frac{1}{2}$ " nuts – KF1010, KF3010, KF4010 or KF5510 – depending on the channel used. Nuts and bolts are not included with the fitting and must be ordered separately.

DESIGN BOLT TORQUE

BOLT SIZE	$\frac{1}{4}$ "-20	$\frac{5}{16}$ "-18	$\frac{3}{8}$ "-16	$\frac{1}{2}$ "-13	$\frac{5}{8}$ "-11	$\frac{3}{4}$ "-10
Rec. Torque	6	11	19	50	100	125
ft-lbs	(8)	(15)	(26)	(68)	(136)	(170)
N-m						
Max Torque	7	15	25	70	125	135
ft-lbs	(9)	(20)	(34)	(95)	(170)	(183)
N-m						

SET SCREW TORQUE

BOLT SIZE	$\frac{1}{4}$ "-20	$\frac{3}{8}$ "-16	$\frac{1}{2}$ "-13	$\frac{5}{8}$ "-11	$\frac{3}{4}$ "-10	$\frac{7}{8}$ "-9
Set Screw						
Torque	40	60	125	250	400	665
in-lbs	(4)	(7)	(14)	(28)	(44.5)	(75)
N-m						

Note: Caution should be taken not to overtighten the set screw. When tightening $\frac{1}{4}$ " screws used with a two piece clamp, a torque of 5 ft-lbs (60 in-lbs) should be used.

DIMENSIONS

Imperial dimensions are illustrated in inches. Metric dimensions are shown in parenthesis or as noted. Unless noted otherwise, 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 (Fittings) or 5.0 (Pipe Supports), 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.

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