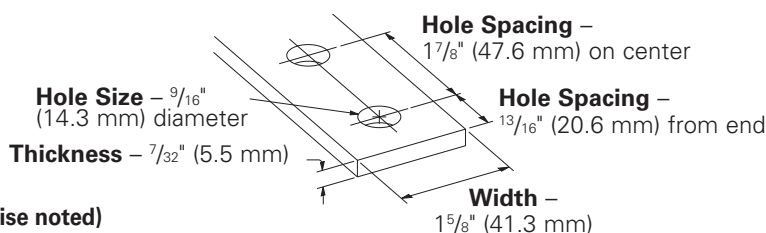




This section offers a full selection of fittings and accessories to complete our strut system. Fittings are made from hot rolled, pickled and oiled plate or strip steel in accordance with ASTM A1018 33,000 PSI min. yield, unless noted.

Dimensions

The following dimensions apply to all fittings except as noted:



Materials & Finishes (Unless otherwise noted)

Finish Code	Finish	Specification
PLN	Plain	ASTM A1018 33,000 PSI min. yield
ZN	Electro-Plated Zinc	ASTM B633 SC3 Type III or ASTM A653
GRN	DURA GREEN™	
HDG	Hot-Dipped Galvanized	ASTM A123
SS4	Stainless Steel Type 304	ASTM A240
SS6	Stainless Steel Type 316	ASTM A240
AL	Aluminum	ASTM B209

Note: A minimum order may apply on special material and finishes.

Hardware

Nuts and bolts are not included with the fittings and must be ordered separately, unless noted.

Pre-Assembled Fittings

Some fittings are available with hex head cap screws and channel nuts pre-assembled. These fittings and finishes will be flagged using the following symbol.



Metric

Metric dimensions are shown in parentheses. Unless noted, all metric dimensions are in millimeters.

Load Data

The load data published includes safety factor of 2.5 when used with 12 ga. (2.6) channel safety factor = ratio of ultimate load to the design load).

Use 1/2"-13 x 7/8" hex head cap screws and 1/2"-13 (N225 or TN225) channel nuts for the rated results.

Note: See page 277 Design Load Data for typical channel - fitting connections.

Recommended Bolt Torque

Bolt Size	1/4"-20	5/16"-18	3/8"-16	1/2"-13
Foot/Lbs.	6	11	19	50
Nm	8	15	26	68

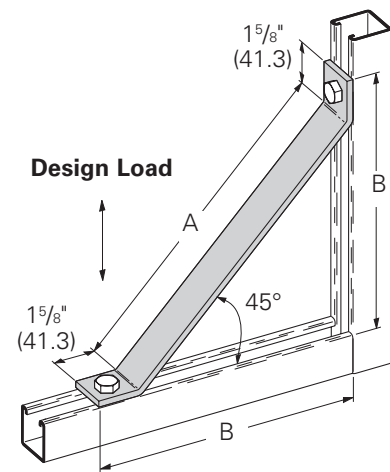
See chart on page 154 for setscrew torque.

Braces

B261 - Two Hole 45° Knee Brace

- Standard finishes: ZN, GRN
- Design load determined by testing using a B335 hinged corner connection.
- Load ratings are for brace members only. Do not exceed allowable beam or column loads for strut channels.
- Safety Factor of 3

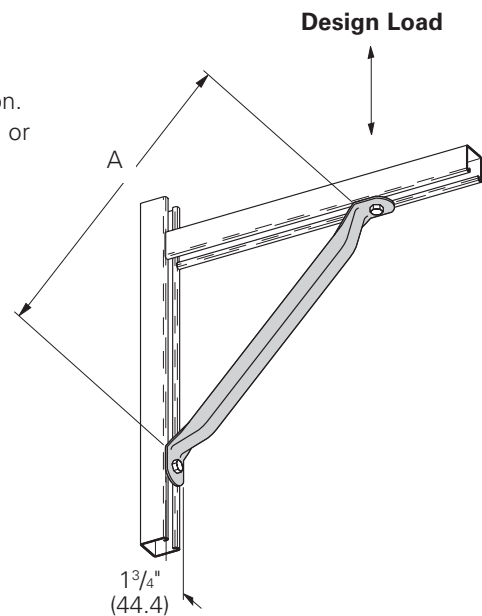
Part No.	A		B		Design Load		Wt./C	
	In.	mm	In.	mm	Lbs.	kN	Lbs.	kg
B261-8	8"	(203.2)	7 ³ / ₈ "	(187.3)	1500	(6.67)	119	(54.0)
B261-12	12"	(304.8)	10 ¹ / ₈ "	(257.2)	1020	(4.54)	165	(74.8)
B261-16	16 ⁵ / ₈ "	(422.3)	13 ³ / ₈ "	(339.7)	530	(2.36)	218	(98.9)
B261-18	18"	(457.2)	14 ⁷ / ₁₆ "	(366.7)	450	(2.00)	234	(106.1)
B261-24	24"	(609.6)	18 ¹ / ₁₆ "	(474.7)	250	(1.11)	303	(137.4)
B261-36	36"	(914.4)	27 ³ / ₁₆ "	(690.6)	110	(.49)	441	(200.0)



B631 - Two Hole 45° Tubing Knee Brace

- 1" (25.4) Square steel tubing
- Material: ASTM A513
- Standard finishes: ZN, GRN
- Design load determined by testing using a B335 hinged corner connection.
- Load ratings are for brace members only. Do not exceed allowable beam or column loads for strut channels.
- Safety Factor of 3

Part No.	A		Design Load		Wt./C	
	In.	mm	Lbs.	kN	Lbs.	kg
B631-18	18"	(457.2)	1500	(6.67)	145	(65.8)
B631-24	24"	(609.6)	1500	(6.67)	186	(84.4)
B631-30	30"	(762.0)	1500	(6.67)	225	(102.0)
B631-36	36"	(914.4)	1500	(6.67)	266	(120.6)
B631-42	42"	(1066.8)	1230	(5.47)	307	(139.2)
B631-48	48"	(1219.2)	940	(4.18)	348	(157.8)
B631-54	54"	(1371.6)	740	(3.29)	389	(176.4)
B631-60	60"	(1524.0)	600	(2.67)	430	(195.0)
B631-72	72"	(1828.8)	420	(1.87)	508	(230.4)
B631-84	84"	(2133.6)	310	(1.38)	589	(267.2)
B631-96	96"	(2438.4)	240	(1.07)	669	(303.5)



B632 - Two Hole Straight Tubing Brace

- 1" (25.4) Square steel tubing
- Material: ASTM A513
- Standard finishes: ZN, GRN

Part No.	A		Wt./C	
	In.	mm	Lbs.	kg
B632-18	18"	(457.2)	133	(60.3)
B632-24	24"	(609.6)	174	(78.9)
B632-30	30"	(762.0)	215	(97.5)
B632-36	36"	(914.4)	256	(116.1)
B632-42	42"	(1066.8)	295	(133.8)
B632-48	48"	(1219.2)	335	(151.9)
B632-54	54"	(1371.6)	380	(172.3)
B632-60	60"	(1524.0)	420	(190.5)
B632-72	72"	(1828.8)	500	(226.8)
B632-84	84"	(2133.6)	585	(265.3)
B632-96	96"	(2438.4)	670	(303.9)

