

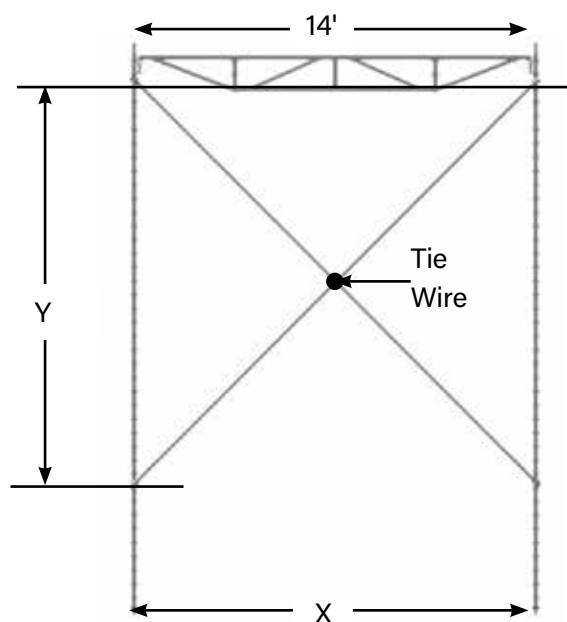
EXCEL MODULAR DIAGONAL PIN BRACE

Part Number	Description	Single Fits Post Spacing (inches)	Double Fits Post Spacing (inches)	Length (inches)	Weight Galvanized (lbs.)
DPB	Diagonal Pin Brace	24 - 84	96 - 168	108	24
SDPB	Short Diagonal Pin Brace	Horizontal Bracing		36	8
Bearer Description		X Coordinate		Y Coordinate	
24" Bearer, 2-Plank Bearer		24		105.30	
32" Bearer, 3-Plank Bearer		32		103.15	
36" Bearer		36		101.82	
42" Bearer, 4-Plank Bearer		42		99.5	
48" Bearer, 5-Plank Bearer		48		96.75	
60" Bearer, 6-Plank Bearer		60		89.8	
6' Bearer		72		80.5	
7' Bearer		84		67.88	
8' Ledger		96		193.49	
9' Ledger		108		187.06	
10' Ledger		120		179.6	
12' Truss		144		161	
14' Truss		168		135.76	

The Excel Modular diagonal pin brace is designed to be a multipurpose brace. It has standard swivel clamps on each end, so it can be fastened to any scaffold vertical or horizontal.

These braces are also drilled and fitted, so a standard vertical pin can be used to connect two or more braces together. This may be desirable when there is a need to brace longer structures up to 14 feet.

BUILD NOTE: When more than one (1) brace is used, the brace should be tied, when possible, in the middle with #9 wire or equivalent to a horizontal, vertical or another diagonal. When braces are connected together, the middle clamps may or may not be used.



**All material must be inspected prior to use!
See inspection guidelines on page 112.**

EXCEL MODULAR DIAGONAL PIN BRACE (CONT'D)

Unbraced Post Length (inches)	Maximum Allowable Compressive Load When Rated for Scaffold Use (lbs.)
69 (5.75 ft.)	6,986
46 (3.83 ft.)	8,230
23 (1.91 ft.)	8,690



The short diagonal pin brace can be used to provide additional support to horizontal bearers or to extend the length of a diagonal pin brace for use on a 10-foot wide scaffold.

Excel's diagonal pin brace can also be used as a vertical to pass through a congested area, such as a pipe rack or cable tray.

When used as a vertical, the diagonal pin brace must be supported by tube and clamp, braces or tied, so there is never more than 69 inches of unsupported vertical.

MATERIAL SPECS :

1. All tubing is 1.90 diameter, 11-gauge (0.120 wall), high-strength, minimum 65,000 yield, and 75,000 tensile.
2. Diagonal pin braces are designed to be compatible with standard 1.90 OD tube and clamp material.



Clamp bolts should have between 40 and 65 lbs. tension. Overtightening could damage the threads, bolt or item the clamp is attached to.



CAUTION: There is a pinch point at the clamps and where the parts pin together.

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See inspection guidelines on page 112.**