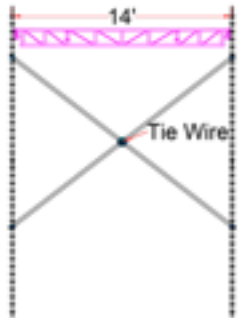
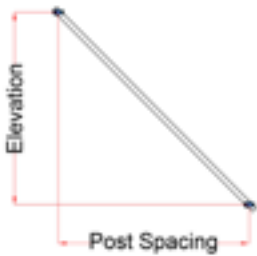


EXCEL MODULAR DIAGONAL PIN BRACE



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. It is 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 fourteen (14) feet.



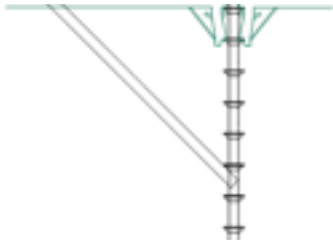
These braces are designed to be pinned together using standard vertical locking pins to create longer braces where needed.

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.

| 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 | Post Spacing | Elevation (Approx) | Brace Angle (degrees) | Hole Location |
| | 24" Bearer, 2-Plank Bearer | 24 | 105.30 | 108 | 77.16 |
| PB32 | 32" Bearer, 3-Plank Bearer | 32 | 103.15 | 108 | 72.76 |
| PB36 | 36" Bearer | 36 | 101.82 | 108 | 70.53 |
| PB42 | 42" Bearer, 4-Plank Bearer | 42 | 99.5 | 108 | 67.11 |
| PB48 | 48" Bearer, 5-Plank Bearer | 48 | 96.75 | 108 | 63.61 |
| PB60 | 60" Bearer, 6-Plank Bearer | 60 | 89.8 | 108 | 56.25 |
| PB72 | 6' Bearer | 72 | 80.5 | 108 | 48.19 |
| PB84 | 7' Bearer | 84 | 67.88 | 108 | 38.94 |
| HL96 | 8' Ledger | 96 | 193.49 | 216 | 63.61 |
| HL108 | 9' Ledger | 108 | 187.06 | 216 | 60 |
| HL120 | 10' Ledger | 120 | 179.6 | 216 | 56.25 |
| TR12 | 12' Truss | 144 | 161 | 216 | 48.19 |
| TR14 | 14' Truss | 168 | 135.76 | 216 | 38.94 |

All material must be inspected prior to use! See inspection guidelines on page 99.

EXCEL MODULAR DIAGONAL PIN BRACE



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 ten- (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.

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

When used as a vertical, it must be supported by tube and clamp, braces, or tied such that there is never more than sixty-nine (69) inches of unsupported vertical.



Note: All tubing is 1.90 diameter, 11-gauge (0.120 wall), high-strength, minimum 65,000 yield, and 75,000 tensile. 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.>>>

All material must be inspected prior to use! See inspection guidelines on page 99.