



Mechanical Fastener Systems

Specification Sheet

The same trusted components used in RetroShield System® are now available and sold separately. Our Mechanical Fasteners work well with any bubble insulation, metal building insulation (MBI) or facing and require no straps, stick pins or glue. The steel clip-pin components provide a strong mechanical connection for a solution on projects requiring higher R-value to maximize energy efficiency. Fi-Foil mechanical fasteners can easily handle a backload of cellulose or fiberglass with R-values less than R30 and When installed on purlins 5' on-center with Clip-Pins spaced 18" apart, Fi-Foil Mechanical Fastener Systems are strong enough to hold in excess of 60 lbs.

| Mechanical Fastener Systems Available | Fits Framing Types | Size Inches | Qty Per Box/Bag | | |
|---------------------------------------|---|----------------|-----------------|--|--|
| Beam/Bar Joist Clip ("Z"-Clip) | <ul style="list-style-type: none"> Beams Bar Joists Z Type Purlins | 4 X 1 | 120 | | |
| Purlin Clip ("C"-Clip) | <ul style="list-style-type: none"> C Type Purlins | 2 X 1 | 120 | | |
| Angle Clip ("L"-Clip) | <ul style="list-style-type: none"> Sidewalls Floors | 2 X 1 | 120 | | |
| Quick Attach Clip ("Q"-Clip) | <ul style="list-style-type: none"> Beams Bar Joists C Type Purlins | 1 X 3 | 120 | | |
| Tube Clip ("U"-Clip) | <ul style="list-style-type: none"> Wood Beams Metal Beams | 2 X 1 4 X 1 | 120 | | |

| Washer Types Available | | | Size | Qty |
|------------------------|--------------|-----------|---------------|-----|
| White | Aluminum | Black | 1 inch Radius | 190 |

| TEST DATA | |
|--|---------------------|
| Type Metal | Electro Galvanized |
| Temper | ½ Hard |
| Thickness | 0.03 |
| Physical Properties | 30168 |
| Down Force Required to pull 1" lock washer from Clip-Pin | 66 lbs ¹ |

1 Down Force calculation based on the RetroShield System® Installed on purlins 5' on-center with Clip-Pin spaced 18" apart

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