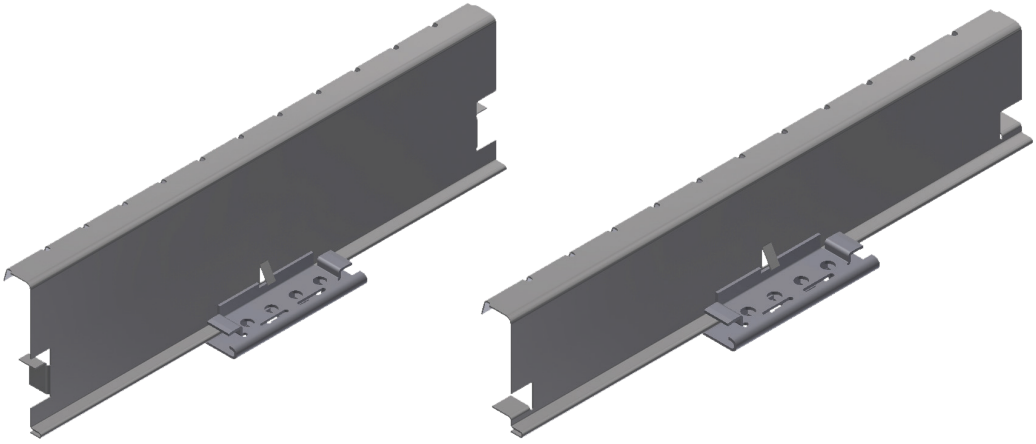
Roofing Innovations for Tomorrow's Challenges

PANELCRAFT MPW WIND CLIPS



PART NUMBERS:
MPW-1203-12
MPW-1213-12

SST™
SUPERIOR SEAM TECHNOLOGY

DESIGNING SOLUTIONS FOR TOMORROW

Building Research Systems Design and Engineering Group continues to advance SST™ performance with patented roof system components. SST™ innovations include the industry's highest-performing perimeter designs and advanced panel rib joinery with TripleLok® and QuadLok® mechanically patented field seams. To meet diverse project design challenges, we offer the widest selection of clips, including Fixed, Movable, Movable Purlin Stabilizing (MPS) and Extended Standoff in multiple heights. WindClips are available in 1/2" and 1-1/2" standoff heights. As critical SST™ components, these patented and tested parts work together to provide superior wind uplift resistance, unmatched air and water infiltration tested values, exceptional weathertightness, and long-term in-field performance.

INNOVATION

- Engineered for maximum efficiency in high-wind zones and uplift locations, delivering superior wind resistance.
- Optimized clip spacing reduces the need for additional purlins, joists, and steel - reducing material and labor costs.
- MPW Clips work seamlessly with High-Capacity Starter/Rake Plates, allowing up to 7" of thermal expansion travel - the most in the industry.
- MPW elongated clip travel eliminates mid-slope roof fixity, enabling ultra-long panel runs up to 500'-0" without expensive expansion joints or rafter step-downs.
- No seam clamps required - clips outperform seam clamp-dependent systems, preserving aesthetics.

Roofing Innovations for Tomorrow's Challenges

PANELCRAFT MPW WIND CLIPS

DESIGN

- Two progressive field-seaming options: TripleLok® and QuadLok® for superior in-place panel performance for wind uplift, air/water infiltration, weather tightness and longevity.
- Available in two 12" clip heights for flexibility in meeting wind zone loads, codes, and thermal efficiency requirements.
- Precision-stamped G-90 galvanized steel construction ensures durability and longevity.
- Patented engineered "fingers" across the clip tab ease seaming and enhance side lap capacity.
- Standard clip installation - no special tools or instructions required.

PERFORMANCE

- Achieves the highest wind uplift values - see load tables for full performance data.
- 12" clip lengths provide maximum uplift resistance.
- Fewer clips required while increasing wind uplift capacity, reducing labor and installation time.
- Supports thermal expansion cycles in extreme conditions, preventing stress failures.

"PanelCraft" Allowable Wind Uplift Loads - All Loads in Pounds per Square Foot

PC 216 Panel 24 Gauge Material
(Fy = 50 ksi) with MPW-1203-12 Clip and BRS Approved Seamer

TRIPLELOK SEAM

Span	1592 Test Ultimate Load	1592 Design Load
2.0	315	185.1
2.5		164.2
3.0		136.8
3.5		117.3
4.0		102.6
4.5		91.2
5.0	139.7	82.1

PC 218 Panel 24 Gauge Material
(Fy = 50 ksi) with MPW-1203-12 Clip and BRS Approved Seamer

TRIPLELOK SEAM

Span	1592 Test Ultimate Load	1592 Design Load
2.0	280	164.5
2.5		136.1
3.0		113.4
3.5		97.2
4.0		85.1
4.5		75.6
5.0	118.3	68.1

Notes:

1. The tabulated loads are generated from certified ASTM E-1592 testing using BRS's WindClips and BRS Approved seamers. These design loads are not valid with other clips or seamers.
2. Intermediate design loads are interpolated from ultimate test loads.
3. Design loads contain safety factors calculated per AISI.
4. (2) ¼"-#14 SDS Clip Fasteners were used in 16 ga. material.
5. These load capacities are for the panel itself. Frames, purlins, clips, fasteners, and all supports must be designed to resist all loads imposed by the panel.
6. Allowable wind uplift loads have not been increased by 33% as allowed by some codes when wind load controls.
7. This material is subject to change with out notice. Contact Building Research Systems for most current values.
8. A revised product application guide is available per request.

The Superior Seam Technology design and engineering meets the more stringent corner/edge zones uplift codes.

SST™ SUPERIOR SEAM TECHNOLOGY