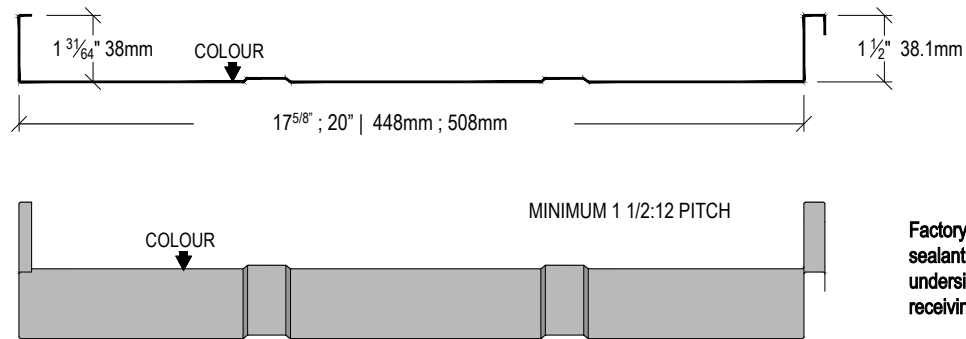


Available as a Fixed or Floating Clip System - hand/mechanical seaming required.

12" (305mm) panels have one mid rib. See reverse for available profile variations.

See Important Standing Seam Notes.



The steel used to manufacture Mechanical Lock sheets, meets or exceeds the following specifications and reference standards:

ASTM A792/A792M, 55% Aluminum-Zinc Alloy-Coated (Galvalume) Steel Sheet with coating designation AZM150 [AZ50] for Painted Galvalume and Plain Galvalume sheets.

ASTM A653/A653M, Zinc-Coated (Galvanized) Steel Sheet with coating designation Z275 [G90] for Plain Galvanized sheets.

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CSA-S136-16, North American Specification for the Design of Cold-Formed Steel Structural Members.

		Gauge(s)					Gauge(s)					Gauge(s)		
Classic/Comm	Colour Code	26	24	22	Classic/Comm	Colour Code	26	24	22	Classic/Comm	Colour Code	26	24	22
Antique Linen	8696	•	•	•	Deep Water Green	8684				Metro Brown	8228	•	•	
Black	8262	•	•	•	Galvalume	2	•	•	•	Pacific Turquoise	8258	•		
Bone White	8273	•	•	•	Galvanized	1	•		•	Regent Grey	8730	•	•	•
Bright Red	8386	•	•	•	Gold	8276	•	•		Royal Blue	8790	•		
Bright White	8783	•			Heron Blue	8330	•	•	•	Sapphire Blue	8261			
Buckskin	9202	•	•		Hickory Moss	9368				Slate Blue	8260	•	•	•
Burgundy	8011				Int'l Orange	8234				Stone Grey	8305	•		•
Cambridge White	8695	•		•	Iron Ore	8614	•	•		Tan	8315	•	•	
Charcoal	8306	•	•	•	Ivory	8802				Tile Red	8259	•		
Coffee	8326	•	•		Light Stone	9367				Whistler Green	8093			
Dark Brown	8229	•	•	•	Medium Green	8329				White White	8317	•	•	•
Dark Red	8250	•			Melcher's Green	8307	•	•						

Textured	Colour Code	26	24	22	Textured	Colour Code	26	24	22	Exotic	Colour Code	26	24	22
Chocolate Brown	6034	•			Jet Black	6039	•			Copper Penny	2005	•	•	
Chrome Green	6037	•			Oxide Red	6042	•			Dark Zinc	1430	•	•	
Graphite Grey	6035	•			Sepia Brown	6041	•			Rustic Red	1426	•	•	

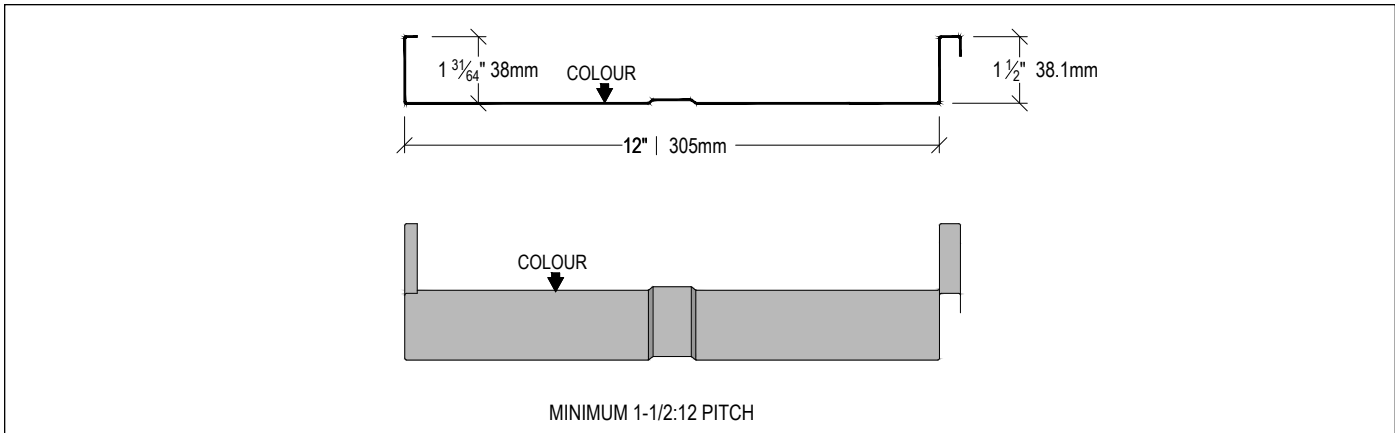
Wood Grain	Colour Code	26	24	22	Wood Grain	Colour Code	26	24	22
Frontier Espresso	4100				Frontier Cedar	4101			

Product Description	Grade(s)	lbs./Lin. Ft.	Additional Information
26 Gauge Plain Galvanized	33/50		Please contact your nearest location for availability and minimum/maximum lengths.
26 Gauge Plain Galvalume	33/50		
26 Gauge Coloured	33/50		
24 Gauge Plain Galvalume	33	Inquire per gauge/coverage	Extended lead time may be required.
24 Gauge Coloured	33		
22 Gauge Galvanized	33		
22 Gauge Plain Galvalume	33		
22 Gauge Coloured	33		
			See Westman Steel Colour Chart for complete range. Contact for custom colour & specialty coating option.

Colour availability can vary by branch and may result in longer lead times.
 Additional crating and freight charges may apply.

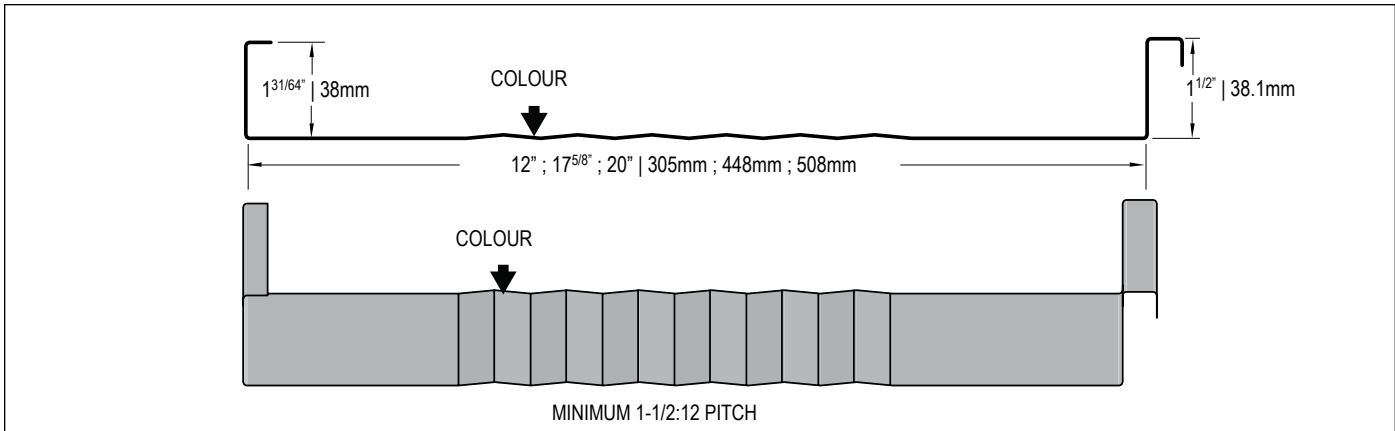


12" Wide 1-1/2" Mechanical Lock with one Mid Rib



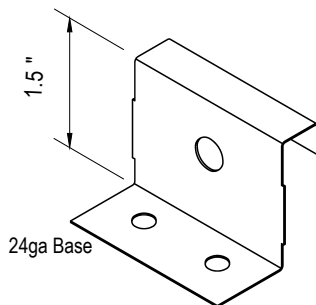
Available as a Fixed or Floating Clip System - hand seaming/mechanical seaming required. See Important Standing Seam Notes.

1-1/2" Mechanical Lock with Striations



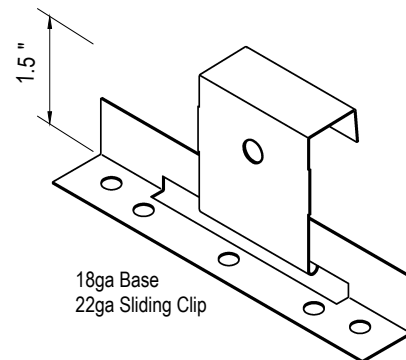
Available as a Fixed or Floating Clip System - hand seaming/mechanical seaming required. Striations not shown to scale or exact profile. See Important Standing Seam Notes.

150024



1 1/2" Fixed Mechanical Lock

1502218

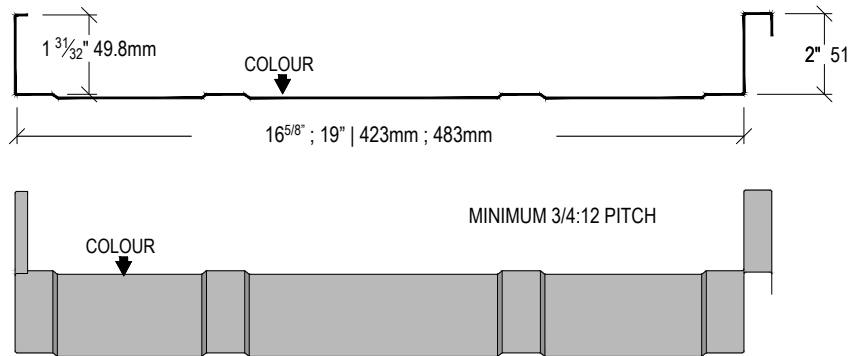


1 1/2" Floating Mechanical Lock

Available as a Fixed or Floating Clip System - hand/mechanical seaming required.

11" (280mm) panels have one mid rib. See reverse for available profile variations.

See Important Standing Seam Notes.



The steel used to manufacture Mechanical Lock sheets, meets or exceeds the following specifications and reference standards:

ASTM A792/A792M, 55% Aluminum-Zinc Alloy-Coated (Galvalume) Steel Sheet with coating designation AZM150 [AZ50] for Painted Galvalume and Plain Galvalume sheets.

ASTM A653/A653M, Zinc-Coated (Galvanized) Steel Sheet with coating designation Z275 [G90] for Plain Galvanized sheets.

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CSSBI S8-2018, Quality and Performance Specification for Prefinished Sheet Steel Used for Building Products.

CSA-S136-16, North American Specification for the Design of Cold-Formed Steel Structural Members.

		Gauge(s)					Gauge(s)					Gauge(s)		
Classic/Comm	Colour Code	26	24	22	Classic/Comm	Colour Code	26	24	22	Classic/Comm	Colour Code	26	24	22
Antique Linen	8696	•	•		Deep Water Green	8684				Metro Brown	8228	•	•	
Black	8262	•	•	•	Galvalume	2	•	•	•	Pacific Turquoise	8258	•		
Bone White	8273	•	•	•	Galvanized	1	•		•	Regent Grey	8730	•	•	•
Bright Red	8386	•	•	•	Gold	8276	•	•		Royal Blue	8790	•		
Bright White	8783	•			Heron Blue	8330	•	•	•	Sapphire Blue	8261			
Buckskin	9202	•	•		Hickory Moss	9368				Slate Blue	8260	•	•	•
Burgundy	8011				Int'l Orange	8234				Stone Grey	8305	•		•
Cambridge White	8695	•		•	Iron Ore	8614	•	•		Tan	8315	•	•	
Charcoal	8306	•	•	•	Ivory	8802				Tile Red	8259	•		
Coffee	8326	•	•		Light Stone	9367				Whistler Green	8093			
Dark Brown	8229	•	•	•	Medium Green	8329				White White	8317	•	•	•
Dark Red	8250	•			Melcher's Green	8307	•	•						

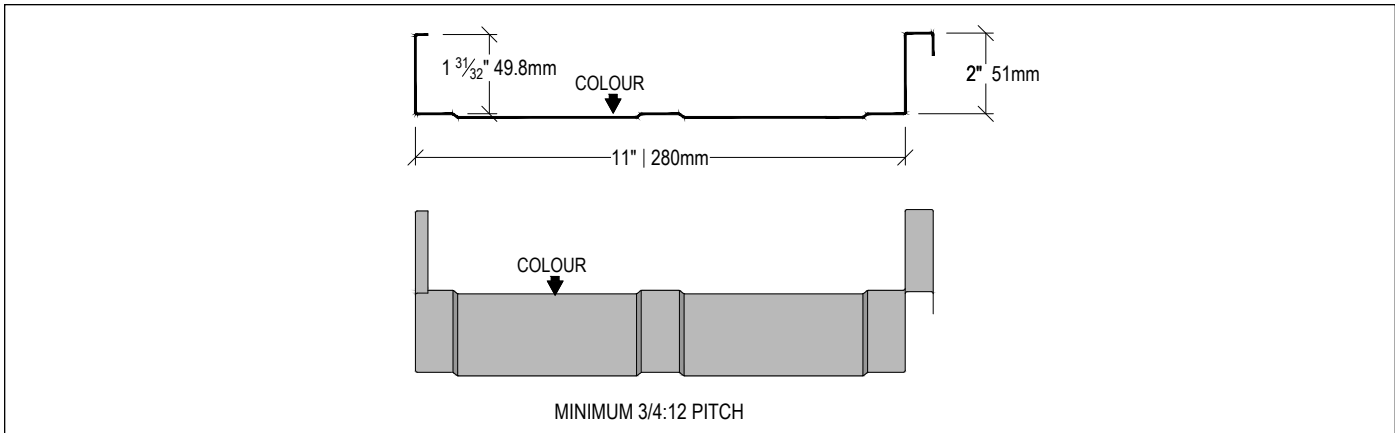
Textured	Colour Code	26	24	22	Textured	Colour Code	26	24	22	Exotic	Colour Code	26	24	22
Chocolate Brown	6034	•			Jet Black	6039	•			Copper Penny	2005	•	•	
Chrome Green	6037	•			Oxide Red	6042	•			Dark Zinc	1430	•	•	
Graphite Grey	6035	•			Sepia Brown	6041	•			Rustic Red	1426	•	•	
Wood Grain	Colour Code	26	24	22	Wood Grain	Colour Code	26	24	22	Silver Mist	8047	•	•	
Frontier Espresso	4100				Frontier Cedar	4101				Corten	9942		•	

Product Description	Grade(s)	lbs./Lin. Ft.	Additional Information
26 Gauge Plain Galvanized	33/50		Please contact your nearest location for availability and minimum/maximum lengths.
26 Gauge Plain Galvalume	33/50		
26 Gauge Coloured	33/50		
24 Gauge Plain Galvalume	33	Inquire per gauge/coverage	Extended lead time may be required.
24 Gauge Coloured	33		
22 Gauge Galvanized	33		See Westman Steel Colour Chart for complete range. Contact for custom colour & specialty coating option.
22 Gauge Plain Galvalume	33		
22 Gauge Coloured	33		

Colour availability can vary by branch and may result in longer lead times.
 Additional crating and freight charges may apply.

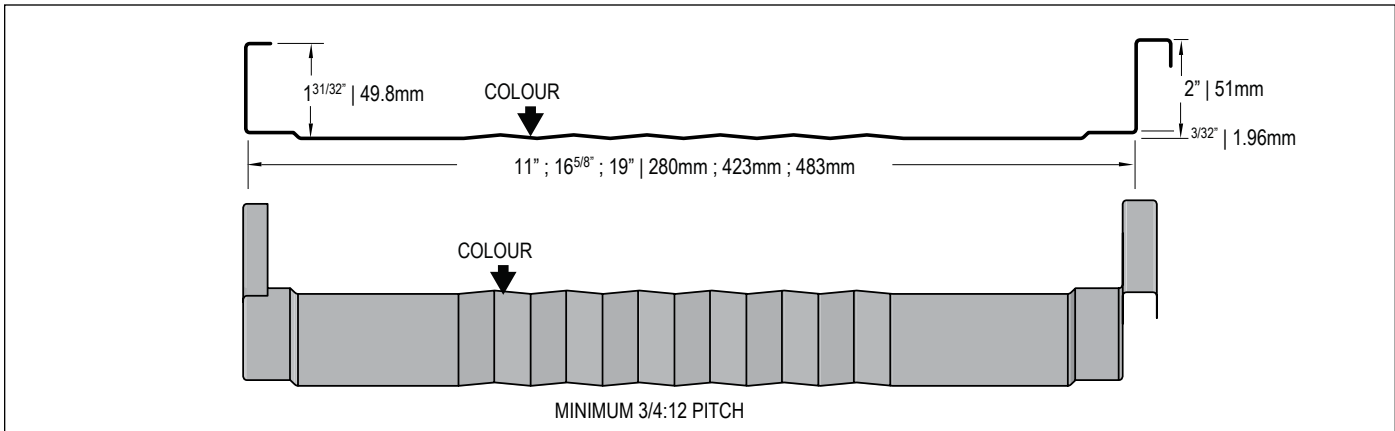


11" wide 2" Mechanical Lock with one Mid Rib



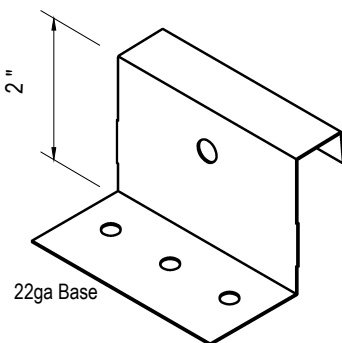
Available as a Fixed or Floating Clip System - hand seaming/mechanical seaming required. See Important Standing Seam Notes.

2" Mechanical Lock with Striations



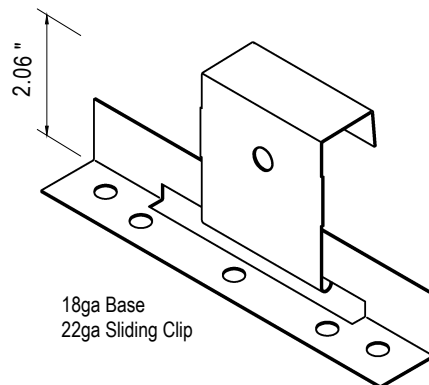
Available as a Fixed or Floating Clip System - hand seaming/mechanical seaming required. Striations not shown to scale or exact profile. See Important Standing Seam Notes.

200242



2" Fixed Mechanical Lock

2002218



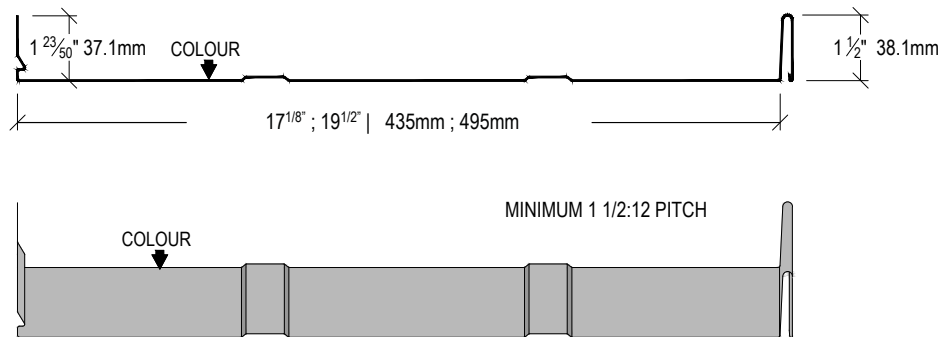
2" Floating Mechanical Lock

Available as a Fixed Clip System.

No hand seaming or mechanical seaming required.

11 1/2" (292mm) panels have one mid stiffing rib. See reverse for available Profile variations.

See Important Standing Seam Notes.



The steel used to manufacture Snap Seam sheets, meets or exceeds the following specifications and reference standards:

ASTM A792/A792M, 55% Aluminum-Zinc Alloy-Coated (Galvalume) Steel Sheet with coating designation AZM150 [AZ50] for Painted Galvalume and Plain Galvalume sheets.

ASTM A653/A653M, Zinc-Coated (Galvanized) Steel Sheet with coating designation Z275 [G90] for Plain Galvanized sheets.

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CSA-S136-16, North American Specification for the Design of Cold-Formed Steel Structural Members.

		Gauge(s)					Gauge(s)					Gauge(s)		
Classic/Comm	Colour Code	26	24	22	Classic/Comm	Colour Code	26	24	22	Classic/Comm	Colour Code	26	24	22
Antique Linen	8696	•	•		Deep Water Green	8684				Metro Brown	8228	•	•	
Black	8262	•	•	•	Galvalume	2	•	•	•	Pacific Turquoise	8258	•		
Bone White	8273	•	•	•	Galvanized	1	•		•	Regent Grey	8730	•	•	•
Bright Red	8386	•	•	•	Gold	8276	•	•		Royal Blue	8790	•		
Bright White	8783	•			Heron Blue	8330	•	•	•	Sapphire Blue	8261			
Buckskin	9202	•	•		Hickory Moss	9368				Slate Blue	8260	•	•	•
Burgundy	8011				Int'l Orange	8234				Stone Grey	8305	•		•
Cambridge White	8695	•		•	Iron Ore	8614	•	•		Tan	8315	•	•	
Charcoal	8306	•	•	•	Ivory	8802				Tile Red	8259	•		
Coffee	8326	•	•		Light Stone	9367				Whistler Green	8093			
Dark Brown	8229	•	•	•	Medium Green	8329				White White	8317	•	•	•
Dark Red	8250	•			Melcher's Green	8307	•	•						

Textured	Colour Code	26	24	22	Textured	Colour Code	26	24	22	Exotic	Colour Code	26	24	22
Chocolate Brown	6034	•			Jet Black	6039	•			Copper Penny	2005	•	•	
Chrome Green	6037	•			Oxide Red	6042	•			Dark Zinc	1430	•	•	
Graphite Grey	6035	•			Sepia Brown	6041	•			Rustic Red	1426	•	•	

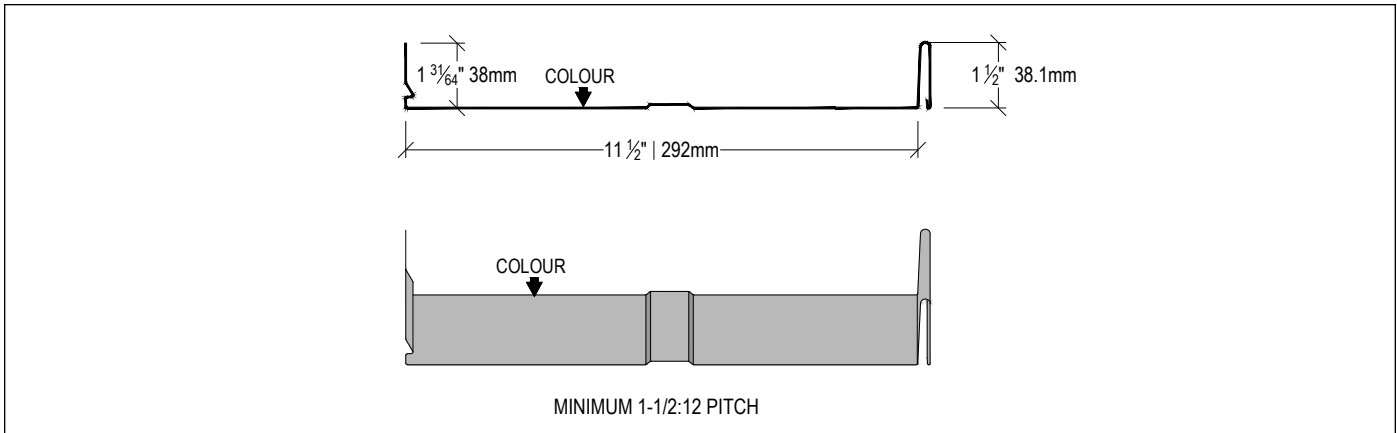
Wood Grain	Colour Code	26	24	22	Wood Grain	Colour Code	26	24	22	Wood Grain	Colour Code	26	24	22
Frontier Espresso	4100				Frontier Cedar	4101				Frontier Cedar	4101			

Product Description	Grade(s)	lbs./Lin. Ft.	Additional Information
26 Gauge Plain Galvanized	33/50		Please contact your nearest location for availability and minimum/maximum lengths. Extended lead time may be required. See Westman Steel Colour Chart for complete range. Contact for custom colour & specialty coating option.
26 Gauge Plain Galvalume	33/50		
26 Gauge Coloured	33/50		
24 Gauge Plain Galvalume	33	Inquire per gauge/coverage	
24 Gauge Coloured	33		
22 Gauge Galvanized	33		
22 Gauge Plain Galvalume	33		
22 Gauge Coloured	33		

Colour availability can vary by branch and may result in longer lead times.
 Additional crating and freight charges may apply.

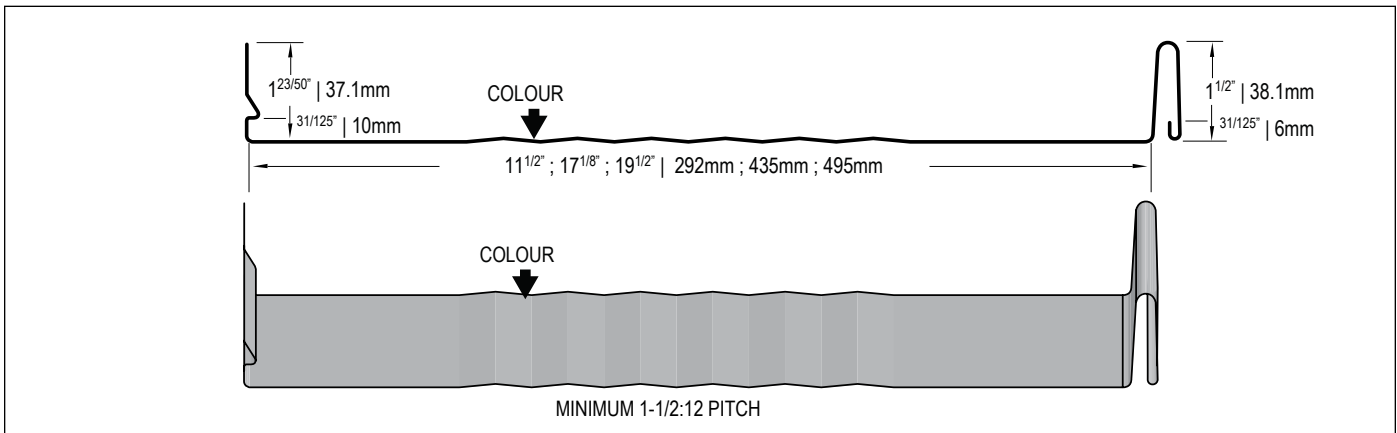


11 1/2" wide 1-1/2" Snap Seam with one Mid Rib



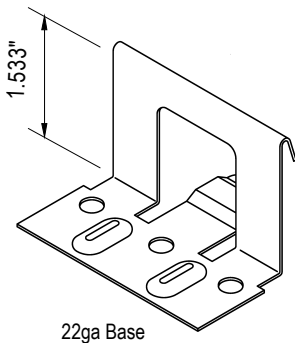
Available as a Fixed Clip System - No hand seaming/mechanical seaming required. See Important Standing Seam Notes.

1-1/2" Snap Seam with Striations

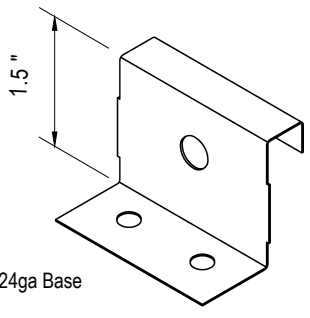
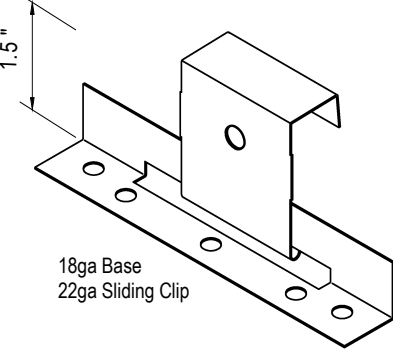
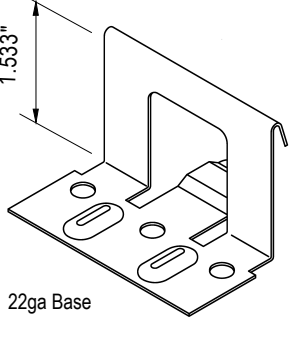
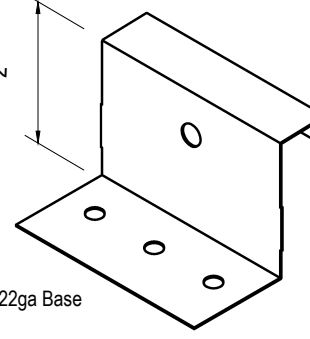
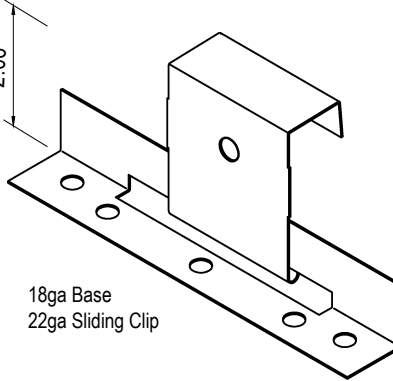


Available as a Fixed Clip System - No hand seaming/mechanical seaming required. Striations not shown to scale. See Important Standing Seam Notes.

11424



1 1/2" Fixed Snap Seam

<p>150024</p>  <p>24ga Base</p> <p>1 1/2" Fixed Mechanical Lock</p>	<p>1502218</p>  <p>18ga Base 22ga Sliding Clip</p> <p>1 1/2" Floating Mechanical Lock</p>	<p>11424</p>  <p>22ga Base</p> <p>1 1/2" Fixed Snap Seam</p>
<p>200242</p>  <p>22ga Base</p> <p>2" Fixed Mechanical Lock</p>	<p>2002218</p>  <p>18ga Base 22ga Sliding Clip</p> <p>2" Floating Mechanical Lock</p>	

CLIPS FASTENER NOTES:

Fastener selection will vary based on type and thickness of substrate and must penetrate through roof deck.

For solid lumber, fasteners must penetrate minimum of 1" (25mm). Longer fasteners available on request.

Typical clip fasteners are #10 x 1" Pancake heads for wood and #10 x 1" Pancake head Self Driller for steel.

Pull out strength of fasteners and clip spacing must be checked by professional engineer for project location and design loads.

Fasteners indicated on Stamped Shop Drawings govern over estimates and quotes.

Pre drilling for fastener holes may be required for heavy gauge metals.

Architectural Standing Seam roof panels require a solid substrate to transfer live loads to the structure. Solid substrates assemblies can include, but are not limited to:

- Built up roof systems comprised of a steel deck, metal Z bars and rigid insulation.
- Wood sheathing deck, wood strapping with infilled rigid insulation.
- Direct to wood sheathing deck with underlayment.

Westman Steel recommends CSA Standard exterior grade wood sheathing acceptable to local building codes based on project location, building category and design loads. Roofs with high wind or snow loads may require a minimum of 16mm (5/8") Plywood. If 12.7mm (1/2") Plywood or 11mm (7/16") OSB is acceptable for design loads, then fastener pull out strength must be checked with the fastener manufacturer for correct use based on application. It is the installers responsibility to ensure the correct sheathing and applicable fasteners are suitable for intended use and design loads prior to installation.

Rigid insulation must have a high compression strength capable of handling expected loads applied to the roof.

Underlayments can include full peel and stick membrane types as well as synthetic slip sheet underlayment. Both types of products must be designed for installation under metal roofs to ensure they can perform under the range of temperatures that the underside of a roof panel can experience. Consult with Westman Steel for information on underlayment products based on installation.

IT IS THE RESPONSIBILITY OF THE DESIGN PROFESSIONAL OR PROFESSIONAL ENGINEER TO ENSURE ALL ROOF SUPPORTS, SUBSTRATES, FASTENERS AND MEMBRANES ARE SUITABLE FOR STRUCTURAL INTEGRITY AND LOCAL BUILDING CODE COMPLIANCE.

ATTACHMENT METHODS AND SYSTEMS

Mechanical Lock panels are designed as a standing seam roof system that requires the seams between panels to be mechanically seamed (folded) to engage the roof clips. Snap Seam panels are designed to be installed with fixed clip and panel seams snapped into place. Snap-Lok panels are manufactured with a pre-punched concealed fastener flange and panels seams snapped into place. Snap Seam and Snap-Lok do not require mechanical seaming.

Mechanical Lock and Snap Seam roof panels are designed as a floating roof system with concealed clips and exposed fasteners at either the low eave or ridge location only.

The purpose of the exposed fasteners are to fix the panel at one end to prevent panels from sliding under snow loads (drag). It is important to only fasten at the eave or the ridge, not both, this will still allow for expansion along the panel length. The preferred method for Mechanical Lock panels is to fix at the ridge.

The purpose of clips are to anchor the roof panel edges when they are seamed, or engaged in the case of Snap Seam. Clips are a major component for concealed fastened metal roofs. Clips are installed with appropriate fasteners to the structure and can be floating or fixed.

FLOATING CLIPS

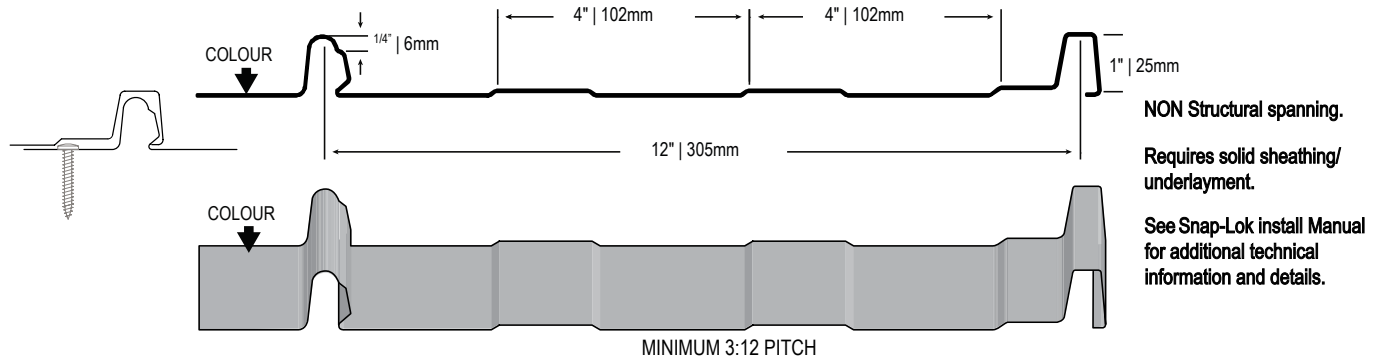
Floating clips are used on long run (>30 feet) panels and are designed for greater thermal expansion and contraction than fixed clips. As the floating clips are intended to allow the roof to move, care must be taken on large area roofs to ensure fasteners at the endlaps, ridge, and gables, do not restrict movement of the roof panels.

FIXED CLIPS

Fixed clips do not expand or contract and are used on shorter panel lengths (<30 feet) that are less likely to experience thermal expansion and contraction.

SNAP SEAM FIXED CLIP

Snap Seam Fixed Clips are used for Snap Seam roof panels without requiring mechanical seaming. This fixed clip still allows for thermal movement as the panels are able to move independent of each other.



The steel used to manufacture Snap-Lok 12" sheets, meets or exceeds the following specifications and reference standards:

ASTM A792/A792M, 55% Aluminum-Zinc Alloy-Coated (Galvalume) Steel Sheet with coating designation AZM150 [AZ50] for Painted Galvalume and Plain Galvalume sheets.

ASTM A653/A653M, Zinc-Coated (Galvanized) Steel Sheet with coating designation Z275 [G90] for Plain Galvanized sheets.

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CSA-S136-16, North American Specification for the Design of Cold-Formed Steel Structural Members.

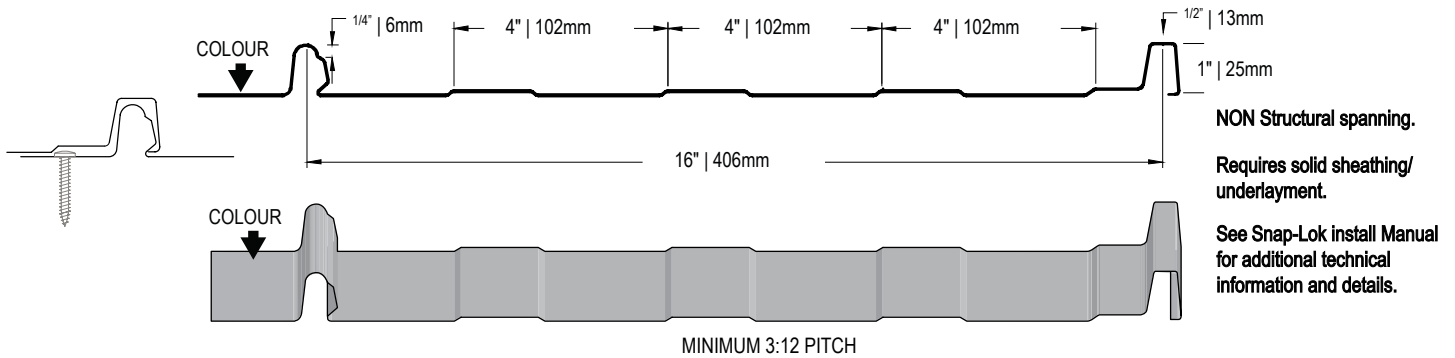
		Gauge(s)					Gauge(s)					Gauge(s)		
Classic/Comm	Colour Code	26	24		Classic/Comm	Colour Code	26	24		Classic/Comm	Colour Code	26	24	
Antique Linen	8696	•	•		Deep Water Green	8684				Metro Brown	8228	•	•	
Black	8262	•			Galvalume	2	•	•		Pacific Turquoise	8258			
Bone White	8273	•	•		Galvanized	1	•			Regent Grey	8730	•	•	
Bright Red	8386	•			Gold	8276	•	•		Royal Blue	8790	•		
Bright White	8783	•	•		Heron Blue	8330	•	•		Sapphire Blue	8261			
Buckskin	9202	•	•		Hickory Moss	9368				Slate Blue	8260	•	•	
Burgundy	8011				Int'l Orange	8234				Stone Grey	8305	•	•	
Cambridge White	8695	•			Iron Ore	8614				Tan	8315	•		
Charcoal	8306	•	•		Ivory	8802				Tile Red	8259	•		
Coffee	8326	•	•		Light Stone	9367	•			Whistler Green	8093	•		
Dark Brown	8229	•	•		Medium Green	8329				White White	8317	•	•	
Dark Red	8250	•			Melcher's Green	8307	•	•						

Textured	Colour Code	26	24		Textured	Colour Code	26	24		Exotic	Colour Code	26	24	
Chocolate Brown	6034	•			Jet Black	6039	•			Copper Penny	2005	•	•	
Chrome Green	6037	•			Oxide Red	6042	•			Dark Zinc	1430	•		
Graphite Grey	6035	•			Sepia Brown	6041	•			Rustic Red	1426	•		

Wood Grain	Colour Code	26	24		Wood Grain	Colour Code	26	24						
Frontier Espresso	4100				Frontier Cedar	4101				Silver Mist	8047	•		
										Corten	9942			

Product Description	Grade(s)	lbs./Lin. Ft.	Additional Information
26 Gauge Plain Galvanized	33/50	1.23	Please contact your nearest location for availability and minimum/maximum lengths. Extended lead time may be required. See Westman Steel Colour Chart for complete range. Contact for custom colour & specialty coating option.
26 Gauge Plain Galvalume	33/50	1.23	
26 Gauge Coloured	33/50	1.23	
24 Gauge Plain Galvalume	33	1.50	
24 Gauge Coloured	33	1.50	

Colour availability can vary by branch and may result in longer lead times.
Additional crating and freight charges may apply.



The steel used to manufacture Snap-Lok 12" sheets, meets or exceeds the following specifications and reference standards:

ASTM A792/A792M, 55% Aluminum-Zinc Alloy-Coated (Galvalume) Steel Sheet with coating designation AZM150 [AZ50] for Painted Galvalume and Plain Galvalume sheets.

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		Gauge(s)					Gauge(s)					Gauge(s)		
Classic/Comm	Colour Code	26	24		Classic/Comm	Colour Code	26	24		Classic/Comm	Colour Code	26	24	
Antique Linen	8696	•	•		Deep Water Green	8684				Metro Brown	8228	•	•	
Black	8262	•			Galvalume	2	•	•		Pacific Turquoise	8258			
Bone White	8273	•	•		Galvanized	1	•			Regent Grey	8730	•	•	
Bright Red	8386	•			Gold	8276	•	•		Royal Blue	8790	•		
Bright White	8783	•	•		Heron Blue	8330	•	•		Sapphire Blue	8261			
Buckskin	9202	•	•		Hickory Moss	9368				Slate Blue	8260	•	•	
Burgundy	8011				Int'l Orange	8234				Stone Grey	8305	•	•	
Cambridge White	8695	•			Iron Ore	8614	•	•		Tan	8315	•		
Charcoal	8306	•	•		Ivory	8802				Tile Red	8259	•		
Coffee	8326	•	•		Light Stone	9367	•			Whistler Green	8093	•		
Dark Brown	8229	•	•		Medium Green	8329				White White	8317	•	•	
Dark Red	8250	•			Melcher's Green	8307	•	•						

Textured	Colour Code	26	24		Textured	Colour Code	26	24		Exotic	Colour Code	26	24	
Chocolate Brown	6034	•			Jet Black	6039	•			Copper Penny	2005	•	•	
Chrome Green	6037	•			Oxide Red	6042	•			Dark Zinc	1430	•		
Graphite Grey	6035	•			Sepia Brown	6041	•			Rustic Red	1426	•		

Wood Grain	Colour Code	26	24		Wood Grain	Colour Code	26	24						
Frontier Espresso	4100				Frontier Cedar	4101				Silver Mist	8047	•		
										Corten	9942			

Product Description	Grade(s)	lbs./Lin. Ft.	Additional Information
26 Gauge Plain Galvanized	33/50	1.41	Please contact your nearest location for availability and minimum/maximum lengths. Extended lead time may be required. See Westman Steel Colour Chart for complete range. Contact for custom colour & specialty coating option.
26 Gauge Plain Galvalume	33/50	1.41	
26 Gauge Coloured	33/50	1.41	
24 Gauge Plain Galvalume	33	1.81	
24 Gauge Coloured	33	1.81	

Colour availability can vary by branch and may result in longer lead times.
Additional crating and freight charges may apply.