

S-5!®

The Right Way

SnoGard EF™

SnoGard EF™

The Right Fit for Exposed-Fastened Roofs

SnoGard EF is a purpose-built snow retention solution for common exposed-fastened metal roofs.

Engineered and vetted to the same rigorous standards as other S-5! snow retention products, SnoGard EF provides a stronger, cleaner alternative to brake-formed solutions, with the tested performance and reliability of an engineered system.

Because exposed-fastened roof applications involve fewer variables than standing seam systems, SnoGard EF can be specified using published guidelines and standardized installation methods rather than project-specific calculations.

Designed for AG-panel, R-Panel, PBR and other agricultural and rural corrugated applications, the system enables contractors to quickly determine fit and install with greater consistency and confidence.

Features and Benefits

- **PRESCRIPTIVE, PRE-ENGINEERED DESIGN**
  Simplifies system selection for qualifying projects with clear, standardized guidance
- **S-5! EF TABS WITH FACTORY-APPLIED EPDM**
  Creates a faster, cleaner attachment point with no messy sealants and is ASTM E2140-tested for watertightness
- **OPTIMIZED FOR 9" AND 12" RIB SPACING**
  Flexible spacing helps optimize material use, component count and installed cost across profiles
- **PREPACKAGED COMPONENTS**
  Simplifies ordering, stocking and installation by packaging system-compatible parts together
- **OPTIONAL COLORSTRIP**
  Available from your roofing retailer and made from the same material and finish as your roof, helping ensure a consistent appearance
- **CONTRACTOR-FRIENDLY INSTALLATION**
  Installation is not restricted to purlin locations, providing greater flexibility and simplifying layout

Attach virtually anything to metal roofs *The Right Way!*®

888-825-3432 | www.S-5.com |

S-5!®
The Right Way

Backed by Decades of S-5! Expertise.

Built on the same attachment engineering S-5! has applied to metal roofs worldwide since 1992.

SnoGard EF™

Components

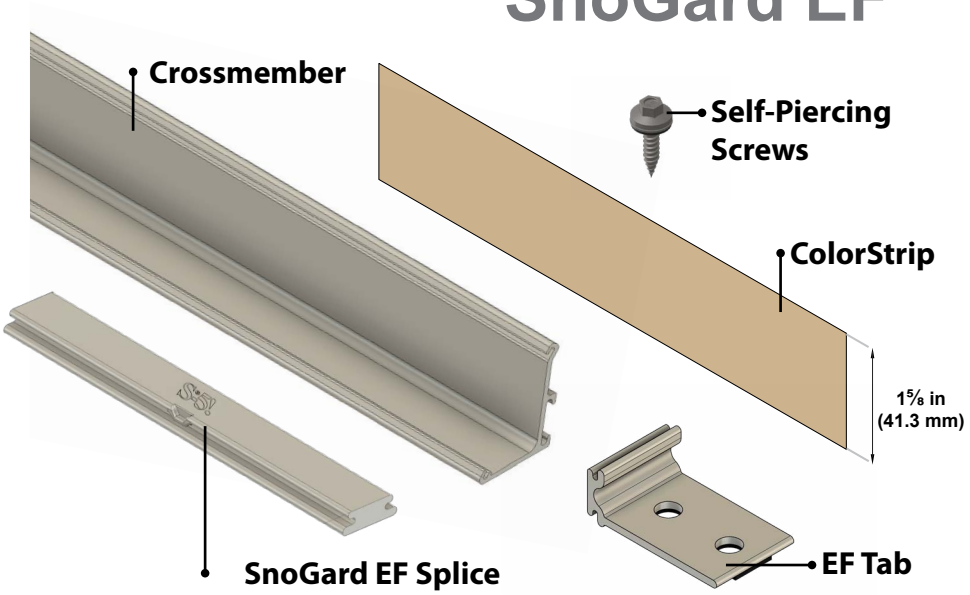
SnoGard EF Crossmember

EF Tabs

Self-Piercing Screws

SnoGard EF Splice

Optional ColorStrip
NOT INCLUDED: Ask your S-5! Authorized Distributor for more information.



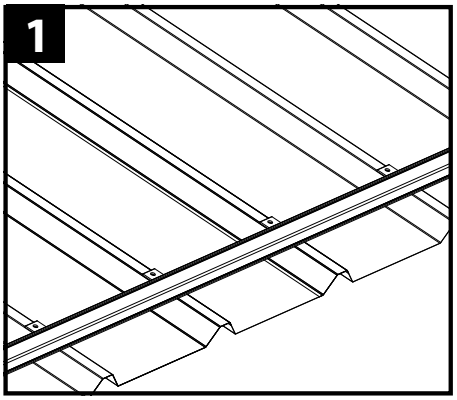
Simple Installation!

Simplified load charts make it easy to specify the number of rows required for your project.

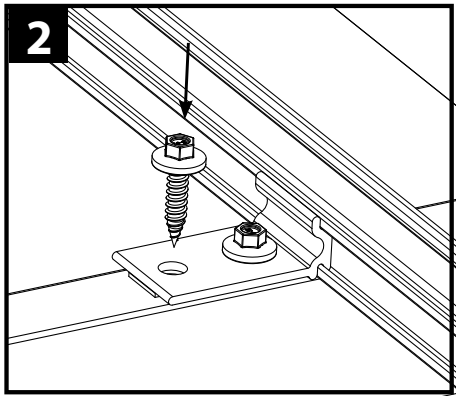
SnoGard EF comes with the EF Tabs, screws and crossmembers needed for installation.

NOTE

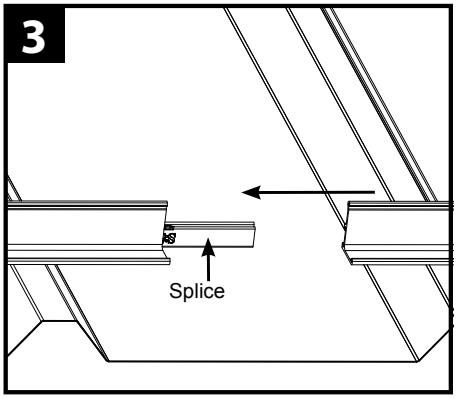
For larger, more complex or higher-load projects, S-5! engineered snow retention systems should be utilized.



Load EF tabs, then position the first crossmember 3-6" from the eave.



Fasten the two screws into the rib to secure the crossmember.



Repeat along the roof, connecting crossmembers with splices.

S-5!® Warning! Please use this product responsibly!

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Consult the S-5! website at www.S-5.com for published data regarding holding strength.

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SnoGard EF™ Snow Retention Load Table

Use roof design snow load, not ground snow load. For values between those listed in the table, always round up to the next listed value. For projects with a roof design snow load greater than 50 psf or a roof slope steeper than 9:12, please contact **S-5! Support** for assistance with calculations.

NUMBERS 1–4 IN THE TABLE = REQUIRED SNOW-RETENTION ROWS

Roof pitch 1:12–3:12

Rafter Length ≤ (ft)	≤20 psf	≤30 psf	≤40 psf	≤50 psf
≤10 ft	1	1	1	1
≤20 ft	1	1	1	1
≤30 ft	1	1	1	2
≤40 ft	1	1	2	2
≤50 ft	1	2	2	2

Roof pitch 4:12–6:12

Rafter Length ≤ (ft)	≤20 psf	≤30 psf	≤40 psf	≤50 psf
≤10 ft	1	1	1	1
≤20 ft	1	1	2	2
≤30 ft	1	2	2	3
≤40 ft	2	2	3	3
≤50 ft	2	3	3	4

Roof pitch 7:12–9:12

Rafter Length ≤ (ft)	≤20 psf	≤30 psf	≤40 psf	≤50 psf
≤10 ft	1	1	1	1
≤20 ft	1	2	2	2
≤30 ft	2	2	3	3
≤40 ft	2	3	3	4
≤50 ft	2	3	4	

REQUIRED SNOW-RETENTION ROWS — COLOR KEY

1 — One row	2 — Two rows	3 — Three rows	4 — Four rows

BASIS OF CALCULATION The values shown in this table are based on the roof design snow load, roof slope, eave-to-ridge dimension, roof rib spacing of 12", and a 29-gauge roof panel. Tabulated values are governed by the lowest allowable capacity of the applicable components and connections within the load path. This table may also be used with roof panels thicker than 29 gauge and rib spacing less than 12 inches, provided all other applicable project conditions remain within the limits shown.The table provided applies only to SnoGard EF installed with the specified S-5! EF Tabs and fasteners. Do not use S-5! CF Tabs, clamps, brackets, or other attachment components with SnoGard EF; these combinations are not covered by the design values in this guide.

APPLICABILITY This guide provides pre-engineered, prescriptive system configurations for projects within the stated design parameters and limitations and does not constitute project-specific engineering. Do not extrapolate values beyond the tabulated limits. For conditions not represented—including greater roof design snow loads, longer eave-to-ridge dimensions, or steeper roof slopes—contact S-5! Support for assistance. Project-specific engineering shall be provided when required by the authority having jurisdiction.

ROOF SNOW LOAD Use the applicable roof design snow load, not the ground snow load when using this table. Roof snow load may be affected by project-specific conditions including roof geometry, exposure, thermal conditions, drifting, unbalanced snow accumulation, adjacent structures or roof elevations, parapets, obstructions, and sliding snow, as well as applicable building-code requirements. The appropriate roof design snow load shall be determined in accordance with the governing building code and project-specific design conditions. Consult a qualified design professional when required.

Need More Help? CONTACT SUPPORT AT **888.825.3432** OR **support@s-5.com**