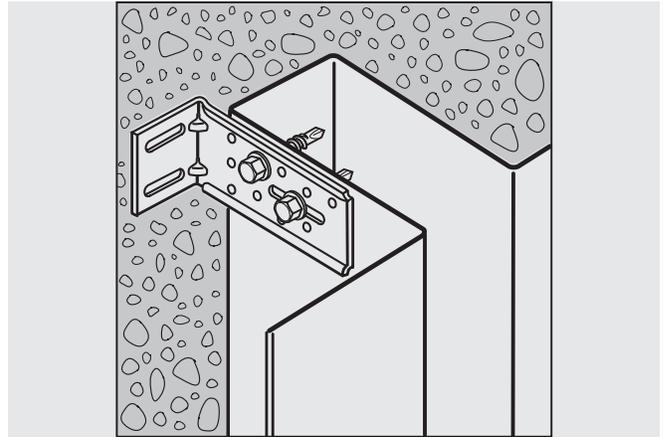


# #12-14 SD3 Pancake Bi-Met 300<sup>®</sup> Subframe Attachment



### Features and Benefits

- Bi-metal fastener design allows for higher drilling capacity while maintaining the corrosion resistance properties of stainless steel
- Silver VistaCoat<sup>®</sup> provides a barrier to help prevent galvanic corrosion when used with aluminum
- High ductility reduces delayed embrittlement failures

### Application

- Light and medium gauge metal connections
- Curtain wall and building envelope attachments
- Dissimilar metal connections
- Flat head for visible attachments
- Standing seam clip attachment in corrosive environment

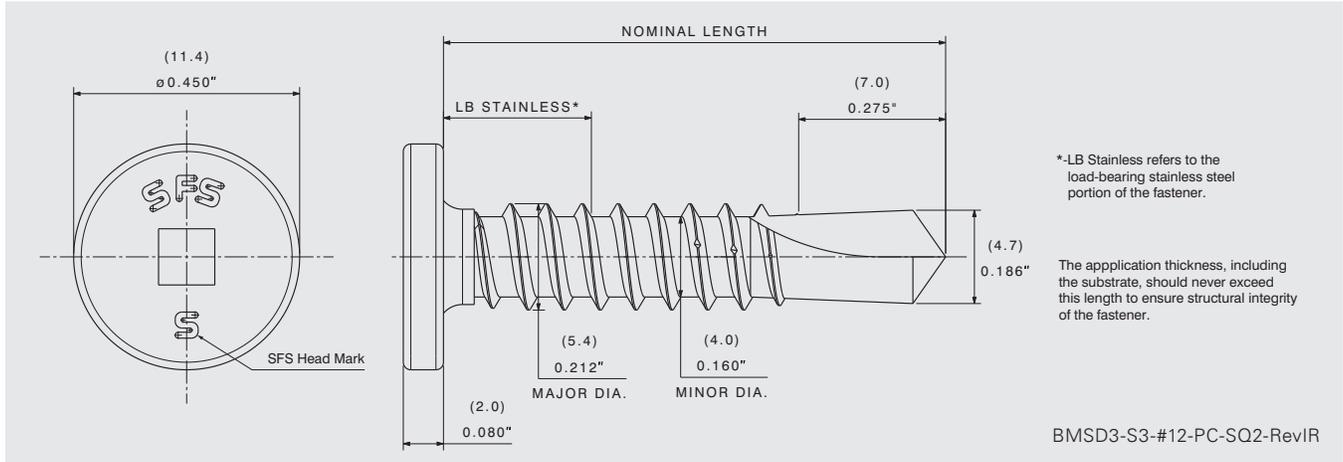
### Product Selection

Material No.	Fastener Length		Load Bearing Length		Description	Carton Wt. (lbs.)	Carton Qty.
	(in)	(mm)	(in)	(mm)			
1702024	1"	25	0.51"	13	BMSD3-S3-#12x1-PC-SQ2-F	22	2,500

Product bagged 250 pieces, unless otherwise noted.



# #12-14 SD3 Pancake Bi-Met 300<sup>®</sup> Subframe Attachment



## Product Specifications

Diameter: #12 (5.4 mm)  
 Threads Per Inch: 14  
 Head Style: Pancake #2 square  
 Drill Point: SD3

Material: 304SS  
 Drill Capacity: 0.210" (5.3 mm) Max steel  
 Thread Major Dia: 0.212" (5.4 mm)  
 Thread Minor Dia: 0.160" (4.1 mm)

## Performance Data<sup>1,2</sup>

### Material Strength

Tensile	2612 lbf / 11619 N
Shear	2034 lbf / 9042 N
Torsional	70 lbf·in / 7.9 N·m

### Pull Out Strength Steel

<b>20 Ga (0.9 mm)</b>	295 lbf / 1312 N
<b>18 Ga (1.2 mm)</b>	575 lbf / 2557 N
<b>16 Ga (1.5 mm)</b>	627 lbf / 2789 N
<b>14 Ga (1.9 mm)</b>	1033 lbf / 4595 N
<b>12 Ga (2.7 mm)</b>	1478 lbf / 6574 N

\* Torsional values for Stainless Steel section only.

<sup>1</sup> SFS (5478.17).

<sup>2</sup> All values are ultimate, with no safety factor applied.

## Installation and Application Considerations

Install fasteners with 0–2000 RPM screw driver equipped with depth sensing nose piece.

**Use of impact guns or hammer drills is not recommended.**

US  
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Metric values are approximate conversions.

All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (11/2021, V1.01)