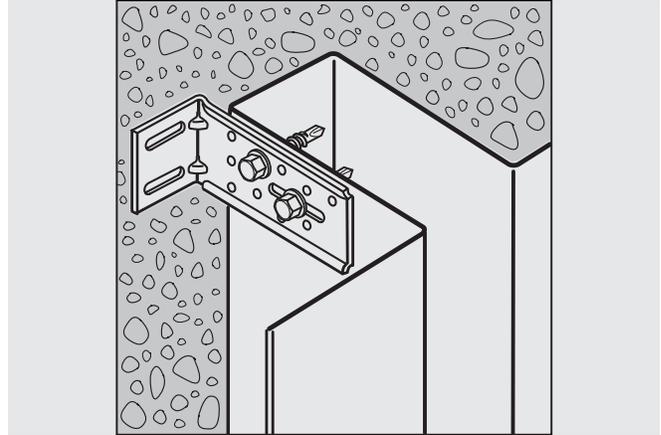


1/4-20 SD4 Bi-Met 300[®] Subframe Attachment



Features and Benefits

- Bi-metal fastener design allows for higher drilling capacity while maintaining the corrosion resistance properties of stainless steel
- Silver VistaCoat[®] provides a barrier to help prevent galvanic corrosion when used with aluminum
- High ductility reduces delayed embrittlement failures
- Quickly drills and taps threads in metal up to 5/16" thick

Application

- Heavy gauge metal connections
- Curtain wall and building envelope attachments
- Dissimilar metal connections

Approvals

- Listed on Intertek CCRR-0387 report



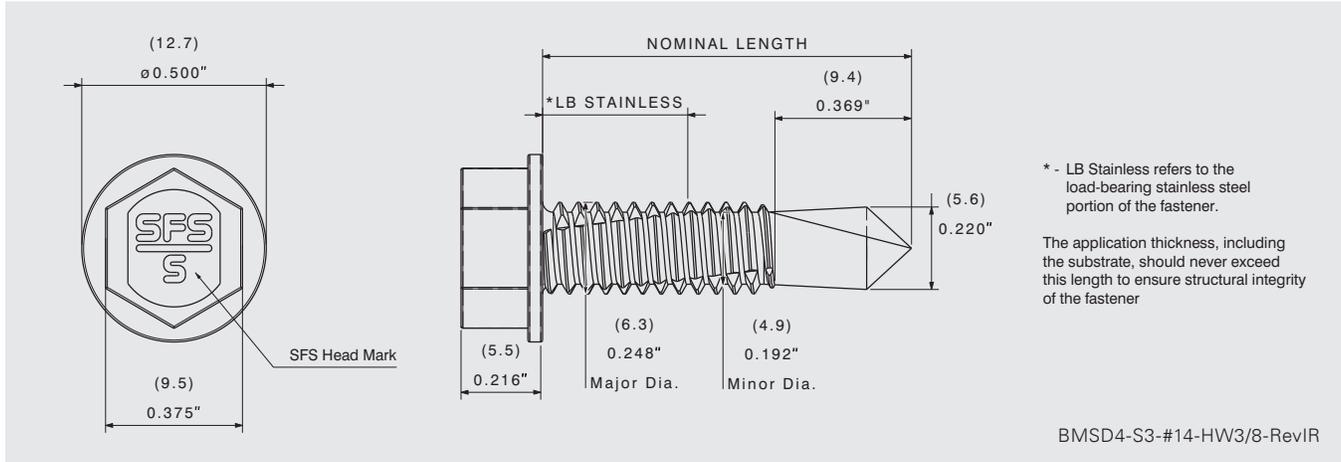
Product Selection

Material No.	Fastener Length		Load Bearing Length		Description	Carton Wt. (lbs.)	Carton Qty.
	(in)	(mm)	(in)	(mm)			
1558132	1-1/8"	29	0.38"	9	BMSD4-S3-#14x1-1/8-HW3/8	34	2,000
1558133	1-1/2"	38	0.72"	18	BMSD4-S3-#14x1-1/2-HW3/8	30	1,500
1558134	2"	51	1.20"	30	BMSD4-S3-#14x2-HW3/8	25	1,000

Product bagged 250 pieces, unless otherwise noted.



1/4-20 SD4 Bi-Met 300[®] Subframe Attachment



Product Specifications

Diameter: 1/4" (6.3 mm)
 Threads Per Inch: 20
 Head Style: HWH 3/8" (9.5 mm) AF
 Material: 304SS

Drill Point: SD4
 Drill Capacity: 0.312" (7.9 mm) Max
 Thread Major Dia: 0.248" (6.3 mm)
 Thread Minor Dia: 0.192" (4.9 mm)

Performance Data^{1,2,3}

Material Strength

Tensile	4134 lbf / 18389 N
Shear	2380 lbf / 10587 N
Torsional*	150 lbf-in / 16.5 N·m

* Torsional values for Stainless Steel section only.

¹ CCRR-0387

² See CCRR-0387 for design loads and additional properties

³ PLK 20916

Pull Out Strength Steel

16 Ga (1.5 mm)^a	638 lbf / 2838 N
14 Ga (1.9 mm)^a	930 lbf / 4137 N
12 Ga (2.7 mm)^a	1541 lbf / 6855 N
1/8" (3.2 mm)^a	1862 lbf / 8283 N
3/16" (4.8 mm)^b	3467 lbf / 15422 N
1/4" (6.3 mm)^b	Exceeds tensile

^a 50 ksi

^b 36 ksi

Pull Out Strength Aluminum

1/8" (3.2 mm) 6063-T5	816 lbf / 3630 N
1/4" (6.4 mm) 6063-T5	2552 lbf / 11352 N

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
 T 800 234 4533
 us.sfs.com

Canada
 T 866 847 5400
 ca.sfs.com

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. (07/2021, V1.01)