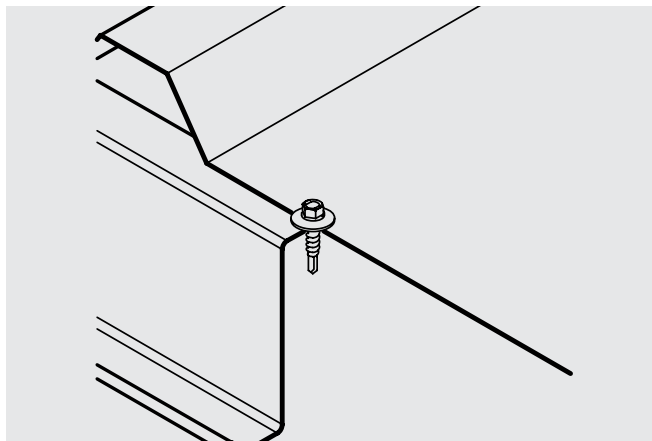


#1/4-14 Flex5 SD3

Selectively hardened with Grade 5 performance



Features and Benefits

- Made from alloy steel and finished with a selective hardness heat treatment process to give the load bearing part of the fastener Grade 5 specifications (RC 28-34), with a higher hardness for the drill point and lead-in threads (min. RC52).
- Increased fastener ductility helps prevent hydrogen embrittlement
- Designed to have low driving and thread engagement torque and provide maximum clamp load
- VistaCorr™ proprietary coating provides improved appearance, 1000 hour corrosion resistance, durability and installation performance

Application

- Metal panel to light and medium gauge metal application
- Curtain wall
- Rainscreen and cladding
- Fenestration systems
- Solar panel systems connecting aluminum to steel
- Dissimilar metal applications when used with aluminum

Approvals

- Listed on Intertek CCRR-0347 report



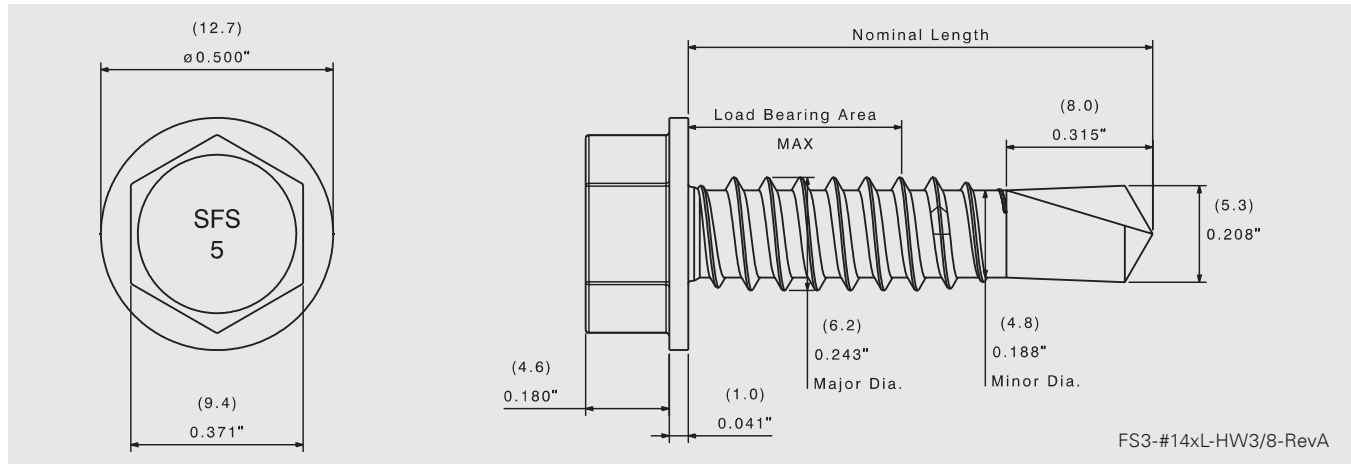
Product Selection

Material No.	Fastener Length		Load Bearing Area		Description	Carton Wt. (lbs.)	Carton Qty.
	(in)	(mm)	(in)	(mm)			
1429737	1"	25	0.450"	11.4	FS3-#14x1-HW3/8-BQ	45	2,500
1429738	1-1/2"	38	0.950"	24.1	FS3-#14x1-1/2-HW3/8-BQ	46	2,000
1429739	2"	51	1.450"	36.8	FS3-#14x2-HW3/8-BQ	41	1,500

Product bulk carton packed.

#1/4-14 Flex5 SD3

Selectively hardened with Grade 5 performance



Product Specifications

Diameter: 1/4" (6.2 mm)
 Threads Per Inch: 14
 Head Style: 3/8" dia. HWH AF (9.4 mm)
 Material: Selectively hardened alloy steel with Grade 5 performance

Drill Point: SD3
 Drill Capacity: 0.036"–0.188" (0.91 mm–4.77 mm)
 Thread Major Dia: 0.243" (6.2 mm)
 Thread Minor Dia: 0.188" (4.8 mm)

Performance Data^{1,2,3}

Ultimate Material Strength

Tensile	4890 lbf / 21752 N
Shear	2813 lbf / 12513 N
Torsional	150 lbf-in / 16.95 N-m

Ultimate Pull Out Strength Steel

18 Ga (1.2 mm)	404 lbf / 1797 N
16 Ga (1.5 mm)	504 lbf / 2242 N
12 Ga (2.7 mm)	1182 lbf / 5258 N
1/8" (3.2 mm)	1462 lbf / 6503 N
3/16" (4.8 mm)	3792 lbf / 16868 N

¹ CCRR-0347

² See CCRR-0347 for allowable loads

³ PLK 21217

Installation and Application Considerations

Tools: 0–2000 rpm screw gun equipped with depth sensing nose piece.

Fasteners should provide for a minimum of 3/16" penetration of fully developed threads into the metal substrate.

Use of impact guns or hammer drills is not recommended.