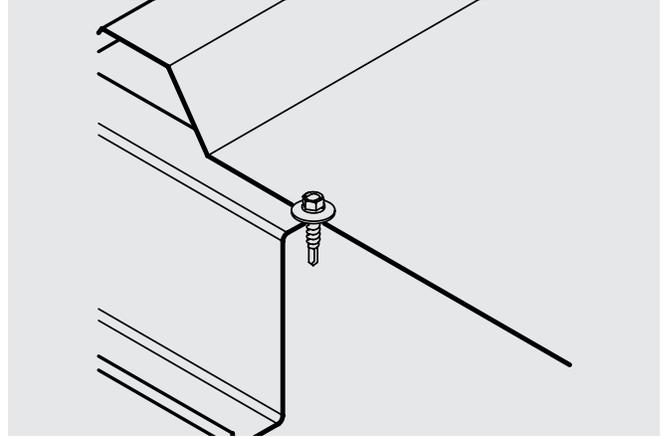




#10-16 Flex5 SD3

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)			
1429720	3/4"	19	0.380"	9.7	FS3-#10x3/4-HW5/16-BQ	40	5,000

Product bulk carton packed.

US
T 800 234 4533
us.sfs.com

Canada
T 866 847 5400
ca.sfs.com

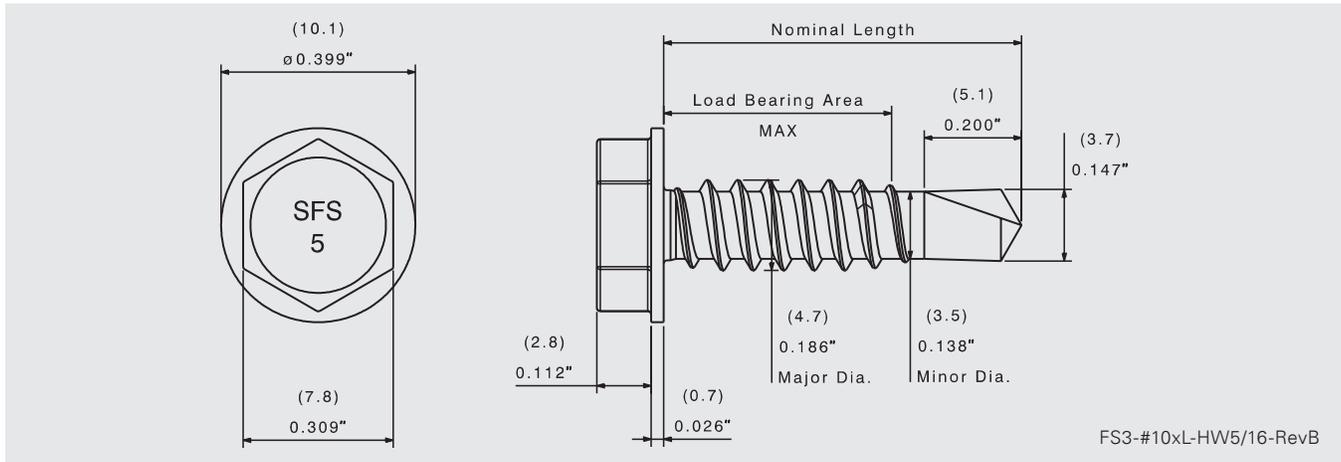
Metric values are approximate conversions.

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. (03/2021, V1.01)



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Product Specifications

Diameter: #10 (4.7 mm)
 Threads Per Inch: 16
 Head Style: 5/16" dia. HWH AF (7.8 mm)
 Material: Selectively hardened alloy steel with Grade 5 performance

Drill Point: SD3
 Drill Capacity: 0.036"–0.150" (0.91 mm–3.81 mm)
 Thread Major Dia: 0.186" (4.7 mm)
 Thread Minor Dia: 0.138" (3.5 mm)

Performance Data^{1,2,3}

Ultimate Material Strength

Tensile	1938 lbf / 8621 N
Shear	1358 lbf / 6041 N
Torsional	61 lbf-in / 6.89 N·m

Ultimate Pull Out Strength Steel

20 Ga (0.9 mm)	306 lbf / 1361 N
18 Ga (1.2 mm)	447 lbf / 1988 N
16 Ga (1.5 mm)	523 lbf / 2326 N
14 Ga (1.9 mm)	821 lbf / 3652 N
10 Ga (3.5 mm)	1724 lbf / 7669 N

¹ CCRR-0347

² See CCRR-0347 for allowable loads

³ PLK 19616

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.