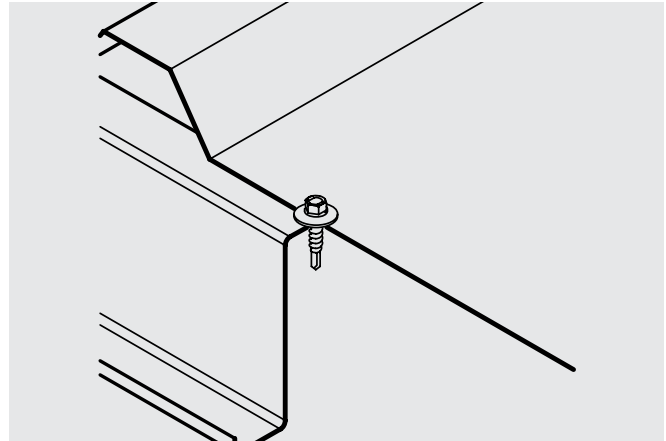


#12-14 Flex5 SD3

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

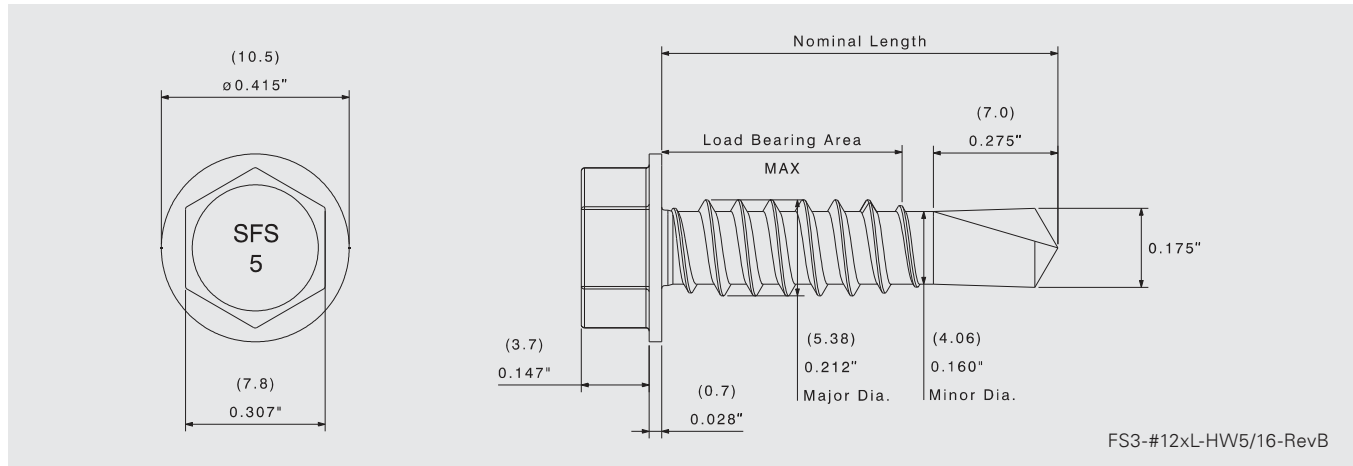
Material No.	Fastener Length		Load Bearing Area		Description	Carton Wt. (lbs.)	Carton Qty.
	(in)	(mm)	(in)	(mm)			
1429731	7/8"	22	0.380"	9.7	FS3-#12x7/8-HW5/16-BQ	44	4,000
1429732	1"	25	0.500"	12.7	FS3-#12x1-HW5/16-BQ	44	4,000
1429734	1-1/2"	38	1.000"	25.4	FS3-#12x1-1/2-HW5/16-BQ	38	2,500
1429736	2"	51	1.500"	38.1	FS3-#12x2-HW5/16-BQ	16	2,000

Product bulk carton packed.



#12-14 Flex5 SD3

Selectively hardened with Grade 5 performance



Product Specifications

Diameter: #12 (5.38 mm)
Threads Per Inch: 14
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"–0.188" (0.91 mm–4.77 mm)
Thread Major Dia: 0.212" (5.38 mm)
Thread Minor Dia: 0.160" (4.06 mm)

Performance Data^{1,2,3}

Ultimate Material Strength

Tensile	3310 lbf / 14724 N
Shear	2041 lbf / 9079 N
Torsional	92 lbf·in / 10.4 N·m

Ultimate Pull Out Strength Steel

20 Ga (0.9 mm)	301 lbf / 1339 N
18 Ga (1.2 mm)	439 lbf / 1953 N
16 Ga (1.5 mm)	532 lbf / 2366 N
12 Ga (2.7 mm)	1340 lbf / 5961 N
3/16" (4.8 mm)	Exceeds tensile

¹ CCRR-0347

² See CCRR-0347 for allowable loads

³ PLK 17815

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.