

Application

- Insulation and membrane attachment to steel, wood and structural concrete roof decks



Features and Benefits

- Extra stable #3 Phillips drive
- Drill point design prevents fastener walking
- 13 threads per inch provides higher pull-out values
- Drill point cuts through gravel and BUR
- Cathodic epoxy e-coat

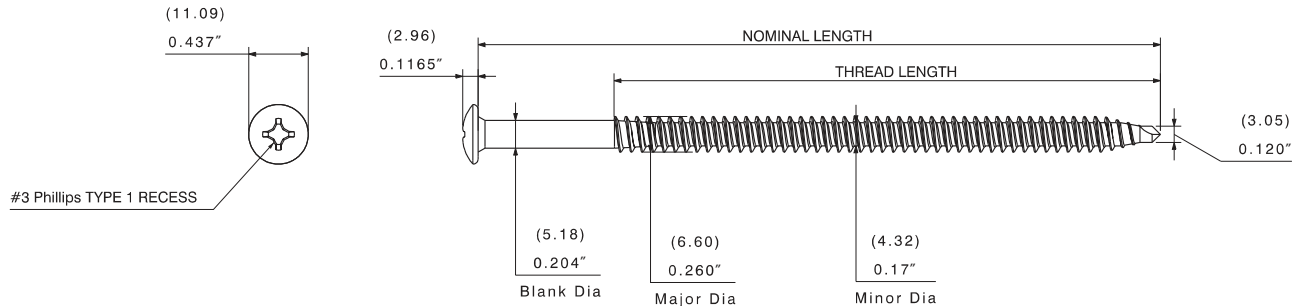
Product Selection

Material No.	Fastener Length	Thread* Length	Description	Carton Wt. (lbs.)	Carton Qty.
1204935	2"	1.75"	DF-#15x2-PH3-E0999-B	24	1000
789609	3"	2.75"	DF-#15x3-PH3-E0999-B	30	1000
789635	4"	3.75"	DF-#15x4-PH3-E0999-B	42	1000
789664	5"	4"	DF-#15x5-PH3-E0999-B	51	1000
789692	6"	4"	DF-#15x6-PH3-E0999-B	30	500
1230686	7"	4"	DF-#15x7-PH3-E0999-B	35	500
789740	8"	4"	DF-#15x8-PH3-E0999-B	40	500
1297437	9"	4"	DF-#15x9-PH3-E0999-B	45	500
789767	10"	4"	DF-#15x10-PH3-E0999-B	49	500
789791	12"	4"	DF-#15x12-PH3-E0999-B	29	250
789807	14"	4"	DF-#15x14-PH3-E0999-B	34	250
789822	16"	4"	DF-#15x16-PH3-E0999-B	38	250

* Note - Thread length measured from tip of the drill point to end of threads.

The details stated are results of tests and/or calculations and therefore are non-binding and do not represent guaranties or warranted characteristics for not specified applications. All calculations therefore have to be checked and approved by the responsible planner ahead of execution. The user is responsible to assure compliance with all applicable laws and regulations.

CAD Drawing: DF-#15-PH3-RevZ



Performance Data^{1,2}

Material Strength

Tensile	4350 lbf / 19350 N
Shear	3700 lbf / 16458
Torsional	130 lbf-in / 14.69 N-m

¹ SFS-SC12250.10.17

² SFS 5509.18

Pull Out Strength

Steel

18 Ga (1.2mm):	1140 lbf / 50171 N
20 Ga (0.9mm):	898 lbf / 3995 N
22 Ga (0.8mm):	683 lbf / 3038 N
24 Ga³ (0.6mm):	453 lbf / 2015 N
26 Ga³ (0.5mm):	301 lbf / 1339 N

Pull Out Strength

Wood

2x dimensional lumber (1" penetration) (25.4mm):	692 lbf / 3078 N
3/4" (19.1mm) FR Plywood (through penetration):	703 lbf / 3127 N

Concrete

4000 psi (1" penetration) (25.4mm):	728 lbf / 3238 N
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Coating and Corrosion

15/15 Kesternich per FM 4470

800 hour salt spray per ASTM B117

Cathodic epoxy e-coat

Approvals



16-0712.08

State of Florida: FL20311

Installation and Application Considerations

Tools: 2000 – 2500 rpm screw guns and hardened #3 Phillips bit. For structural concrete, 7/32" carbide bit and 1500 rpm screw gun or hammer drill in hammer mode. Structural concrete to be predrilled with standard 7/32" carbide bit to minimum 1/2" deeper than fastener penetration.

The standard carton package includes one #3 Phillips bit.

Material:

- Steel thickness from 26 ga (.019 in.) through 18 ga (.048 in.): Min penetration: 3/4"
- Wood 2x (1-1/2" thick): Min penetration: 1"
- Plywood and OSB: Min through penetration: 3/4"
- Structural Concrete: Min penetration: 1"

Metric values are approximate conversions.

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