

Application

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



Features and Benefits

- Extra stable #3 Phillips drive, recessed in truss head
- Low profile truss head can be used for clip attachment in applications where head height is important
- 10 threads per inch for ease of installation in concrete roof decks
- The proprietary asymmetric reduced drill point provides for ultimate pull-out values by producing a minimum opening. Thread engagement is superior as compared to standard drill points
- Cathodic epoxy e-coat

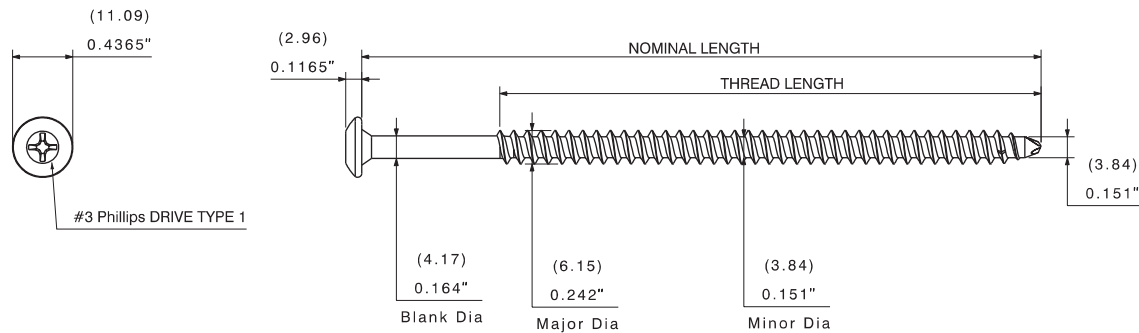
Product Selection

Material No.	Fastener Length	Thread* Length	Description	Carton Wt. (lbs.)	Carton Qty.
1202602	1-1/4"	Full	DF-#14x1-1/4-PH3-E0999-B	12	1,000
1203249	2"	Full	DF-#14x2-PH3-E0999-B	19	1,000
1203528	3"	Full	DF-#14x3-PH3-E0999-B	24	1,000
1203578	4"	Full	DF-#14x4-PH3-E0999-B	30	1,000
1203605	5"	4"	DF-#14x5-PH3-E0999-B	45	1,000
1203632	6"	4"	DF-#14x6-PH3-E0999-B	46	1,000
1203659	7"	4"	DF-#14x7-PH3-E0999-B	28	500
1203810	8"	4"	DF-#14x8-PH3-E0999-B	21	500
1204081	9"	4"	DF-#14x9-PH3-E0999-B	34	500
1202260	10"	4"	DF-#14x10-PH3-E0999-B	38	500
1202597	11"	4"	DF-#14x11-PH3-E0999-B	41	500
1202600	12"	4"	DF-#14x12-PH3-E0999-B	45	500

* 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-#14-PH3-RevJ



Performance Data^{1,2}

Material Strength

Tensile 3300 lbf / 14679 N

Shear 2100 lbf / 9341 N

Torsional 110 lbf-in / 12.43 N·m

¹ SFS-SC12250.10.17

² SFS 5509.18

Pull Out Strength

Steel

18 Ga (1.2mm): 900 lbf / 4003 N

20 Ga (0.9mm): 635 lbf / 2825 N

22 Ga (0.8mm): 457 lbf / 2033 N

Pull Out Strength

Wood

2x dimensional lumber (1" penetration) (25.4mm):
605 lbf / 2691 N

3/4" (19.1mm) FR Plywood (through penetration):
590 lbf / 2624 N

Concrete

4000 psi (1" penetration) (25.4mm): 850 lbf / 3781 N

Coating and Corrosion

15/15 Kesternich per FM 4470

800 hour salt spray per ASTM B117

Cathodic epoxy e-coat

Approvals



State of Florida: FL20311

16-0712.08

Installation and Application Considerations

Tools: 2000 – 2500 rpm screw guns with hardened #3 Phillips bit. For structural concrete, 3/16" carbide bit and 1500 rpm max screw guns, or hammerdrills in the hammer mode. Structural concrete to be predrilled with standard 3/16" carbide bit to minimum 1/2" deeper than fastener penetration. The standard carton package includes one #3 Phillips bit.

Material:

- Steel thickness from 22 ga (.030") through 18 ga (.048"): Min penetration: 3/4"
- Wood 2x (1-1/2" thick): Min penetration: 1"
- Plywood and OSB: Min through penetration: 1/4"
- Structural Concrete: Min penetration: 1"

Metric values are approximate conversions.

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