

Application

- Insulation and cover board attachment to steel and wood 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

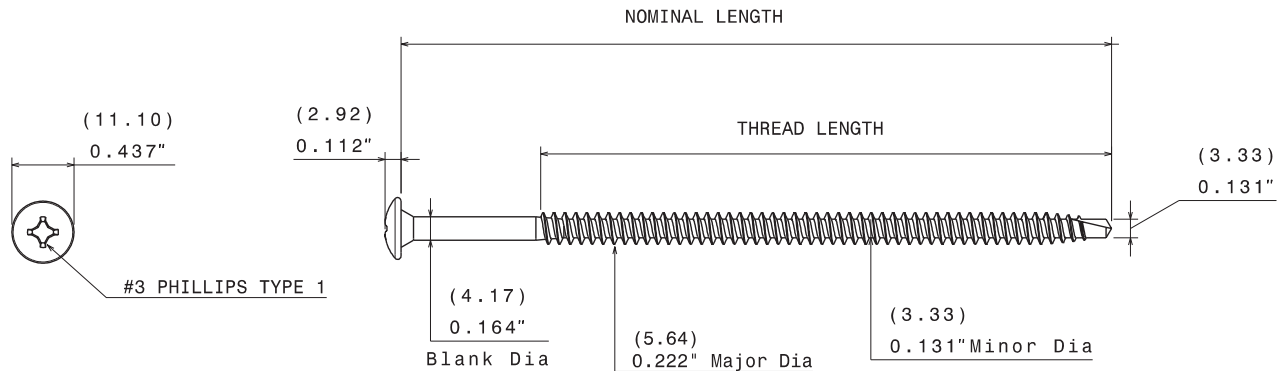
Product Selection

Material No.	Fastener Length	Thread* Length	Description	Carton Wt. (lbs.)	Carton Qty.
785683	1-5/8"	Full	DF-#12x1-5/8-PH3-E0999-B	13	1,000
785698	2-1/4"	Full	DF-#12x2-1/4-PH3-E0999-B	17	1,000
785717	2-7/8"	Full	DF-#12x2-7/8-PH3-E0999-B	21	1,000
785735	3-1/4"	3"	DF-#12x3-1/4-PH3-E0999-B	23	1,000
785761	3-3/4"	3"	DF-#12x3-3/4-PH3-E0999-B	26	1,000
785781	4-1/2"	4"	DF-#12x4-1/2-PH3-E0999-B	31	1,000
785797	5"	4"	DF-#12x5-PH3-E0999-B	34	1,000
785818	6"	4"	DF-#12x6-PH3-E0999-B	41	1,000
785835	7"	4"	DF-#12x7-PH3-E0999-B	24	500
785851	8"	4"	DF-#12x8-PH3-E0999-B	28	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-#12-PH3-RevH



Performance Data^{1,2}

Material Strength

Tensile	3100 lbf / 13789 N
Shear	1800 lbf / 8007 N
Torsional	60 lbf-in / 6.78 N-m

¹ SFS-SC12250.10.17

² SFS 5509.18

Pull Out Strength

Steel

18 Ga (1.2mm):	787 lbf / 3501 N
20 Ga (0.9mm):	695 lbf / 3092 N
22 Ga (0.8mm):	564 lbf / 2509 N

Pull Out Strength

Wood

2x dimensional lumber (1" penetration) (25.4mm):	462 lbf / 2055 N
3/4" (19.1mm) FR Plywood (through penetration):	575 lbf / 2558 N

Coating and Corrosion

15/15 Kesternich per FM 4470

800 hour salt spray per ASTM B117

Cathodic epoxy e-coat

Approvals



MIAMI-DADE COUNTY
APPROVED
16-0712.08

State of Florida: FL20311

Installation and Application Considerations

Tools: 2000 – 2500 rpm screw guns with hardened #3 Phillips bit. #12 Dekfast fasteners can be pre-assembled with metal or plastic insulation plates and installed using SFS Stealth tool.

The standard carton package includes one #3 Phillips bit.

Material:

- Steel thickness from 22 ga (.030 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: 1/4"

Metric values are approximate conversions.

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