

Application

- For retro fit roofing where heavy gauge purlin material must be penetrated



Features and Benefits

- Extra stable #3 square drive provides superior bit engagement
- Drill point design prevents fastener walking
- 24 threads per inch allow for easier driving of the fastener and greater pull-out values
- Shank diameter is smaller than that of the drill point and the outside thread diameter, allowing thick metal to be drilled and cleared of chips before threads tap into metal
- Cathodic epoxy e-coat

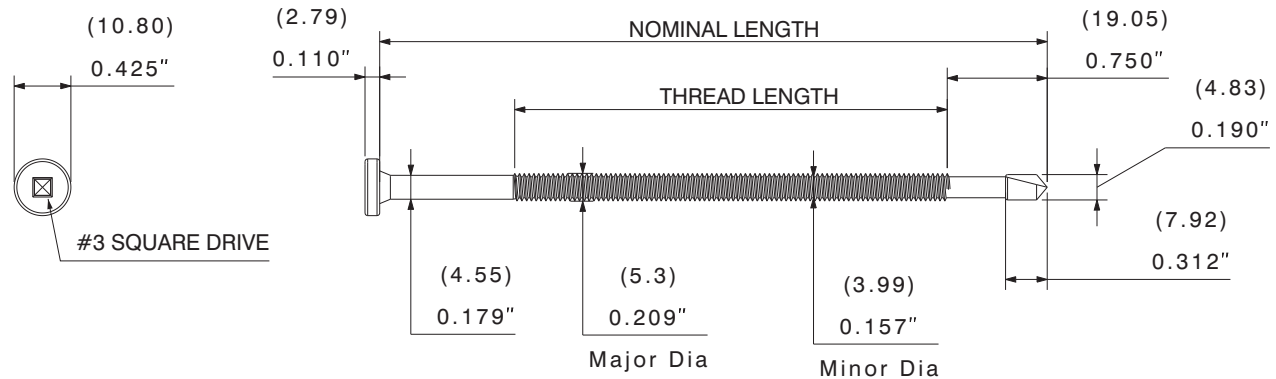
Product Selection

Material No.	Fastener Length	Thread* Length	Pilot Length	Description	Carton Wt. (lbs.)	Carton Qty.
1202224	3-3/4"	2-5/8"	3/4"	PUR-#12x3-3/4-PC-SQ3-E0999-B	33	1,000
1202226	4-3/4"	2-5/8"	3/4"	PUR-#12x4-3/4-PC-SQ3-E0999-B	41	1,000
1202228	5-3/4"	2-5/8"	3/4"	PUR-#12x5-3/4-PC-SQ3-E0999-B	48	1,000
1202230	6-3/4"	2-5/8"	3/4"	PUR-#12x6-3/4-PC-SQ3-E0999-B	28	500

* Note - Thread length measured from end of pilot length 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: PUR-#12-PC-SQ3-RevA



Performance Data^{1,2}

Material Strength

Tensile 2300 lbf / 10231 N

Torsional 100 lbf·in / 11.30 N·m

¹ SFS-SC12250.10.17

² SFS 5509.18

Pull Out Strength (lbs.)

Steel

12 Ga (2.6mm): 1477 lbf / 6570 N

14 Ga (1.9mm): 869 lbf / 3866 N

16 Ga (1.5mm): 599 lbf / 2664 N

18 Ga (1.2mm): 424 lbf / 1886 N

3/16" (4.8mm): 2300* lbf / 10231 N

1/4" (6.4mm): 2300* lbf / 10231 N

* Denotes tensile failure of fastener (fastener failed in tension before pulling out of tabulated substrate). Fasteners are designed for the attachment of roofing materials to purlins. Designated pull-out values depend on the quality of materials to which the fastener is being attached. Pull-out tests need to be conducted to verify that the substrate provides adequate pull-out values.

Coating and Corrosion

15/15 Kesternich per FM 4470

800 hour salt spray per ASTM B117

Cathodic epoxy e-coat

Installation and Application Considerations

Tools: 1800 – 2500 rpm screw gun equipped with depth sensing nosepiece.

The standard carton package includes one Square Drive Bit #3.

Up to 1/4" purlin steel

- Steel thickness from 18 ga (.048") through 1/4" (.250")

Metric values are approximate conversions.

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