

## #12 Purlin Fastener

### #3 square drive, drill point

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

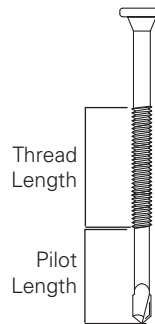
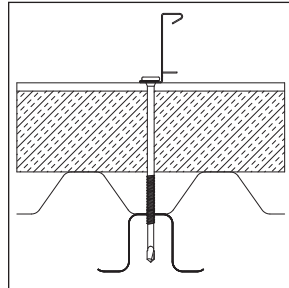
- Shank diameter is smaller than that of the drill point and the outside thread diameter, allowing thick metal to be drilled and cleared of chips before threads tap into metal.
- 24 threads per inch allow for easier driving of the fastener and greater pull-out values.
- e-coat

## Application

### Dekfast #12 Purlin Fasteners Up to 1/4" purlin steel

Materials:

- Steel thickness: 18 ga (.045" nominal) through 1/4" (.250")



Head: #3 square, pancake head  
Head Height: .110"  
Head Dia: .445"  
Thread Major Dia: .207"  
Shank Dia: .179" nom

**Strength (lbs ult.):**

Tensile: 2300  
Torsional: 100 in-lbs min

**Pull-out: (lbs avg.):**

18 ga (.045): 375  
16 ga (.060): 599  
14 ga (.075): 869  
12 ga (.104): 1477  
3/16" (.188): 2300\*  
1/4" (.250): 2300\*

## Notes

Dimensions are nominal inches unless noted.

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

## Selection

Fastener Length	*Thread Length	Pilot Length	Material No.	North American Code	Composite Thickness	Carton Wt. (lbs)	Carton Qty.	Skid Qty.
12 x 3-3/4"	3.375"	0.750"	1202224	PUR-#12x3-3/4-PC-SQ3-E0999-B	Up to 2-3/4"	33	1000	60,000
12 x 4-3/4"	3.375"	0.750"	1202226	PUR-#12x4-3/4-PC-SQ3-E0999-B	1-1/4" to 3-3/4"	41	1000	40,000
12 x 5-3/4"	3.375"	0.750"	1202228	PUR-#12x5-3/4-PC-SQ3-E0999-B	2-1/4" to 4-3/4"	48	1000	40,000
12 x 6-3/4"	3.375"	0.750"	1202230	PUR-#12x6-3/4-PC-SQ3-E0999-B	3-1/4" to 5 3/4"	28	500	30,000

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

## Installation

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

The standard carton package includes one #3 square bit.

## Options

isoweld®

