



Not to scale.

PRODUCT DESCRIPTION

The TRUFAST® #12 Purlin Fastener is a self-drilling fastener engineered to secure single-ply roofing membrane to structural steel purlins (16 ga. to 3/16") in standing seam metal roof recover applications. The specially designed 3/4" long pilot points prevents the existing metal roof panel from "jacking" up the threads during the drilling operation, thereby reducing point burnout and breakage.

APPROPRIATE ACCESSORIES

Use with TRUFAST MP-2000, MPB-2000, MPB-2400 Seam Plates; and BB-18F and BB-18R Batten Bar.

CODE APPROVALS & LISTINGS

FM Global



Miami-Dade County



Florida Building Code

FL#: 4500

CE 2809-CPR-M0028
European Technical Assessment
ETA 19/0616
DOP No. DoPTru02-2022-01-03

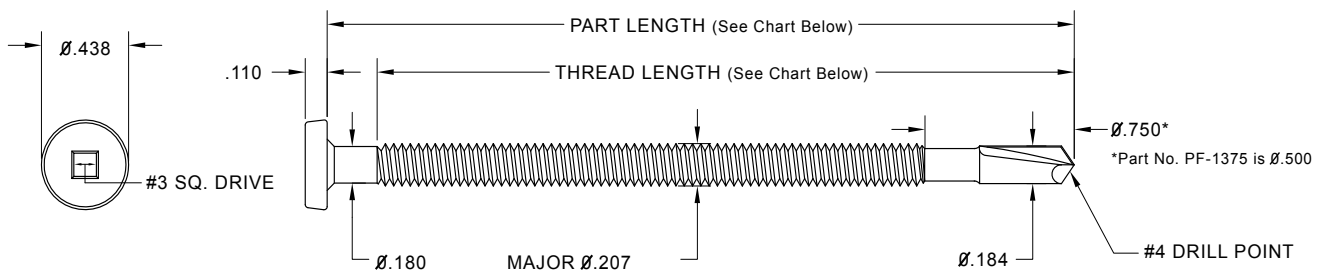


MATERIAL SPECIFICATIONS

Material: SAE C1022, heat treated

Coating: Tru-Kote™ Epoxy E-Coat

PRODUCT SPECIFICATIONS



PRODUCT SELECTION

Part No.	Part Length	Thread Length	Pkg. Qty.	Pkg. Wt.	Pallet Qty.
PF-1375	1-3/8" 34.9 mm	3/4" (Full) 19.1 mm	2500/Bucket	33.8 lbs.	200,000
PF-2750	2-3/4" 69.9 mm	2.0" (Full) 50.8 mm	1000/Bucket	23.7 lbs.	80,000
PF-3750	3-3/4" 95.3 mm	3-3/8" 85.7 mm	1000/Bucket	30.7 lbs.	80,000
PF-4750	4-3/4" 120.7 mm	3-3/8" 85.7 mm	1000/Bucket	38.1 lbs.	60,000
PF-5750	5-3/4" 146.1 mm	3-3/8" 85.7 mm	1000/Bucket	45.1 lbs.	60,000
PF-6750	6-3/4" 171.5 mm	3-3/8" 85.7 mm	1000/Bucket	52.1 lbs.	60,000
PF-7750	7-3/4" 196.9 mm	3-3/8" 85.7 mm	500/Bucket	30.1 lbs.	40,000
PF-8750	8-3/4" 222.3 mm	3-3/8" 85.7 mm	500/Bucket	32.9 lbs.	30,000
PF-9750	9-3/4" 247.7 mm	3-3/8" 85.7 mm	500/Bucket	35.3 lbs.	30,000

PERFORMANCE DATA

Property	Standard	Average Ultimate Value
Tensile Strength	ASTM F606-10	3500 lbs.
Shear Strength	NASM 1312-20	2300 lbs. (thread zone)
Corrosion Resistance	FM 4470, DIN 50018	< 15% Red Rust after 30 cycles

Average Ultimate Pullout Values in Corrugated Steel Deck Substrates

Thickness	16 ga.		
Yield Strength	33.0 ksi	80.0 ksi	102.0 ksi
Pullout (lbf.)	550	870	1020

Average Ultimate Pullout Values in Structural Steel

Thickness	16 ga.	12 ga.	1/8"
Pullout (lbf.)	860	1750	1970

INSTALLATION GUIDELINES

Using the #3 square drive bit provided and a 0-1800 rpm screw gun, install the fastener into the steel purlin. The fastener must penetrate the purlin a minimum of 1", as measured from the underside of the

purlin to the fastener tip. Care should be taken to orient the fastener perpendicular to the deck and not to over drive the fastener to prevent damage to the insulation or membrane.

Bulletin No. TF-22075

DISCLAIMER

The information provided here is subject to change without notice. The performance specifications published in this TRUFAST® product literature are based on controlled laboratory tests and are intended as a guideline only. They are not guaranteed in any way by the ALTENLOH, BRINCK & CO. US, INC., since building design, engineering, and construction,

including workmanship and materials, are beyond the control of the manufacturer. The manufacturer recommends that pull-out tests be conducted to verify the substrate provides adequate pull-out values.