

## #12 DPH Roofing Fasteners

### PRODUCT DESCRIPTION

TRUFAST® #12 DPH Fasteners are specifically engineered to secure insulation, coverboards, and base sheets to corrugated steel (16 – 22 ga.) and wood substrates. Featuring a #2 double flute self-drilling point and exclusive tapered entry thread design, they penetrate steel quickly and offer exceptional back-out resistance.

### APPROPRIATE ACCESSORIES

Use with TRUFAST® Recessed Metal Insulation Plate MPR-3000.

### CODE APPROVALS & LISTINGS



State of Florida - FL#: 4500

Miami-Dade County



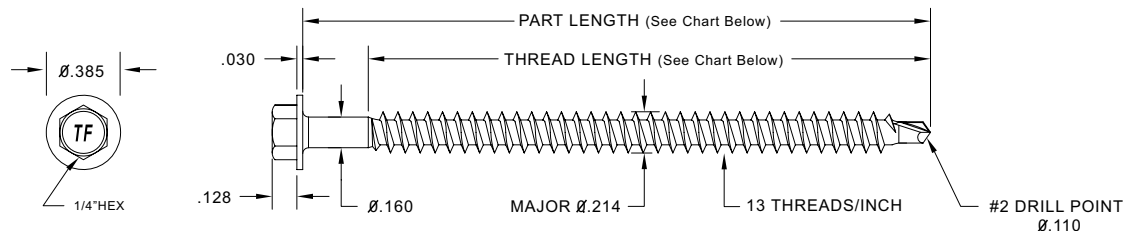
CE European Technical Approval ETA 09/0375

### MATERIAL SPECIFICATIONS

Material: SAE C1022, heat treated  
Coating: Tru-Kote™ Epoxy E-Coat

Manufacturing Location: Bryan, OH USA  
LEED® Eligible Recycled Content: 20%

### PRODUCT SPECIFICATIONS



### PRODUCT SELECTION

Part No.	Part Length		Thread Length		Pkg. Qty.	Pkg. Wt.	Pallet Qty.
DPH-1625	1-5/8"	41.3 mm	1-5/8" (Full)	41.3 mm	1000/Bucket	11.8 lbs.	80,000
DPH-2250	2-1/4"	57.2 mm	2-1/4" (Full)	57.2 mm	1000/Bucket	16.2 lbs.	80,000
DPH-2875	2-7/8"	73.0 mm	2-7/8" (Full)	73.0 mm	1000/Bucket	19.7 lbs.	80,000
DPH-3250	3-1/4"	82.6 mm	2-7/8"	73.0 mm	1000/Bucket	21.5 lbs.	80,000
DPH-3750	3-3/4"	95.3 mm	2-7/8"	73.0 mm	1000/Bucket	24.6 lbs.	80,000
DPH-4500	4-1/2"	114.3 mm	3-7/8"	98.4 mm	1000/Bucket	28.8 lbs.	60,000
DPH-5000	5"	127.0 mm	3-7/8"	98.4 mm	1000/Bucket	31.5 lbs.	60,000
DPH-6000	6"	152.4 mm	3-7/8"	98.4 mm	1000/Bucket	37.1 lbs.	60,000
DPH-7000	7"	177.8 mm	3-7/8"	98.4 mm	500/Bucket	20.9 lbs.	40,000
DPH-8000	8"	203.2 mm	3-7/8"	98.4 mm	500/Bucket	23.9 lbs.	40,000



Enlarged to show detail.

### PERFORMANCE DATA

Property	Standard	Average Ultimate Value
Tensile Strength:	ASTM F606-10	2500 lb.
Shear Strength:	NASM 1312-20	1900 lb. (thread zone)
Corrosion Resistance:	FM 4470, ASTM D6294, DIN 50018	< 15% Red Rust after 30 cycles

### Average Ultimate Pullout Values in Corrugated Steel Deck Substrates

Thickness	24 ga.			22 ga.			20 ga.			18 ga.			16 ga.		
Yield Strength	36.5 ksi	33.0 ksi	30.0 ksi	80.0 ksi	102.0 ksi	33.0 ksi	80.0 ksi	102.0 ksi	33.0 ksi	80.0 ksi	102.0 ksi	33.0 ksi	80.0 ksi	102.0 ksi	
Pullout (lbf.)	230	285	410	465	355	505	580	540	715	800	710	1000	1145		

### Average Ultimate Pullout Values in Wood Substrates

Thickness	APA Rated OSB				APA Rated Plywood			SPF #2
	7/16"	15/32"	19/32"	23/32"	15/32"	19/32"	23/32"	
Pullout (lbf.)	265	300	325	440	365	475	720	700*

\* lbf./in. of thread penetration, including tip.

### INSTALLATION GUIDELINES

**For Steel and Wood Decks:** Using the ¼" hex socket driver provided and a 0-2500 rpm screw gun, install the fastener into the deck. The fastener must penetrate the deck a minimum of ¾", as measured from the underside of the deck to the fastener tip. Care should be taken to orient the fastener perpendicular to the deck and not to overdrive the fastener to prevent damage to the insulation or membrane.

### DISCLAIMER

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. U.S., INC. (the manufacturer), 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.



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TRUFAST® #12 DPH Roofing Fasteners are manufactured by the ALTENLOH, BRINCK & CO. U.S., INC. and are sold through leading roofing and building materials distributors across the U.S. and Canada.