

CODE APPROVALS & LISTINGS

FM Global



PRODUCT DESCRIPTION

The TRUFAST® #14 Bi-Metal Stainless Steel HD Fastener is made of 316 austenitic stainless steel alloy with a hardened carbon steel drill point. This all purpose roofing fastener is engineered to secure insulation, coverboards, base sheets and single-ply roof membrane systems to corrugated steel (18 – 24 ga.) and wood substrates. Featuring a #2 double flute self-drilling point and exclusive tapered entry thread design, it penetrates steel quickly and offer exceptional back-out resistance.

MATERIAL SPECIFICATIONS

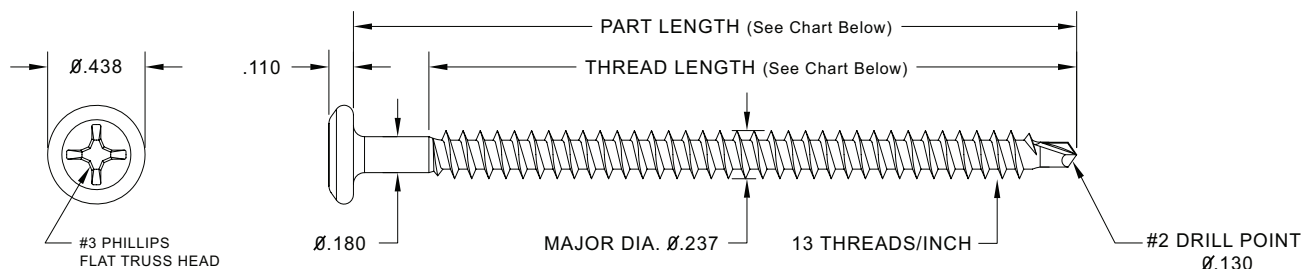
Material: 316 Stainless Steel with a hardened carbon steel drill point

Coating: Electro-Zinc

APPROPRIATE ACCESSORIES

Use with TRUFAST MP-2000, MPB-2000, MPB-2400, MP125-2400, MP14B-2400 Seam Plates; MP-3000 and MPR-3000 Insulation Plates; and BB-18F and BB-18R Batten Bar.

PRODUCT SPECIFICATIONS



PRODUCT SELECTION

Part No.	Part Length		Thread Length		Pkg. Qty.	Pkg. Wt.	Pallet Qty.
HDB-1500-SS	1-1/2"	38.1 mm	1-1/2" (Full)	38.1 mm	1000/Bucket	15.7 lbs.	80,000
HDB-2000-SS	2"	50.8 mm	2" (Full)	50.8 mm	1000/Bucket	19.2 lbs.	80,000
HDB-3000-SS	3"	76.2 mm	2-7/8"	73.0 mm	1000/Bucket	26.3 lbs.	80,000
HDB-4000-SS	4"	101.6 mm	3-7/8"	98.4 mm	1000/Bucket	33.4 lbs.	80,000
HDB-5000-SS	5"	127.0 mm	3-7/8"	98.4 mm	1000/Bucket	40.8 lbs.	60,000
HDB-6000-SS	6"	152.4 mm	3-7/8"	98.4 mm	1000/Bucket	47.7 lbs.	60,000
HDB-7000-SS	7"	177.8 mm	3-7/8"	98.4 mm	500/Bucket	28.0 lbs.	40,000
HDB-8000-SS	8"	203.2 mm	3-7/8"	98.4 mm	500/Bucket	31.5 lbs.	40,000
HDB-10000-SS	10"	254.0 mm	3-7/8"	98.4 mm	250/Bucket	19.9 lbs.	15,000
HDB-12000-SS	12"	304.8 mm	3-7/8"	98.4 mm	250/Bucket	23.4 lbs.	15,000

PERFORMANCE DATA

Property	Standard	Average Ultimate Value
Tensile Strength	ASTM F606-10	4900 lbf.
Shear Strength	NASM 1312-20	3800 lbf. (thread zone)
Corrosion Resistance	FM 4470, 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.		
Yield Strength	36.5 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.)	255	315	480	560	420	615	710	675	885	985

Average Ultimate Pullout Values in Wood Substrates

	APA Rated OSB			APA Rated Plywood				
Thickness	7/16"	15/32"	19/32"	23/32"	15/32"	19/32"	23/32"	SPF #2
Pullout (lbf.)	270	290	310	410	360	410	730	795*

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

INSTALLATION GUIDELINES

For Steel and Wood Decks: Using the #3 Phillips drive bit provided and a 0-2500 rpm screw gun, install the fastener into the deck. The fastener must penetrate the deck a minimum of 3/4", has 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.

Bulletin No. TF-22073

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.