



**#12 DRILL POINT CARBON STEEL**

DEKFAST® roofing screws are use for a variety of connections providing superior performance and easy installation. They are compatible for most roof systems to attach rigid insulation to steel or wood deck.

Contact your TFC product professional for approval details.

**APPLICATIONS**

Attach to wood or steel  
Up to 16ga max (.060" | 1.52mm)

**SIZES**

Screw Length	Thread Length	Pieces/Box	Weight/Box	PRICE
1-5/8"	FULL	1000	13#	
2-1/4"	FULL	1000	17#	
3"	FULL	1000	20#	
4"	FULL	1000	30#	
5"	4"	1000	34#	
6"	4"	1000	41#	
7"	4"	500	24#	
8"	4"	500	48#	

**DIMENSIONAL AND PHYSICAL PROPERTIES**



**Thread Dimensions**  
Major Dia.: .222"  
Minor Dia.: .130"



**Truss Head**  
Drive: #3 Cross Recess  
Head Height: .112"  
Head Diameter: .437"



**Hex Washer Head (HWH)**  
Across Flats: 1/4"  
Head Height: .162"  
Washer Diameter:

**MATERIAL:** Carbon Steel **FINISH:** Epoxy coating (black)

**INSTALLATION TIPS**

Screwgun: Use 2,000 RPM max screw gun with torque control  
Metal Deck: Fastener must penetrate the deck by a minimum of 3/4".  
Concrete and Wood: Fastener embedment of at least 1" or a minimum of 1" penetration through wood decking.

**PERFORMANCE SPECIFICATIONS**

**Pullout for #12 Carbon Steel DEKFAST®**

WOOD	Plywood Fire Rated	2x Dimensional Lumber
Thickness	3/4"	1" Embedment
Pullout (lb.)	462	575

**WOOD:** Pullout values in wood are average ultimate in pounds. A minimum safety factor of four (4) should be used for design.

STRENGTHS	ULTIMATE LOAD
Tensile	3,100 lb min.
Shear	1,800 lb min.
Torsional	60 lb-in min.

**STEEL:** Pullout values in steel are calculated per S100 specification and are the minimum value. A minimum safety factor of three (3) should be used for design.

STEEL	ASTM A653 Grade 33				ASTM A563 Grade 40				ASTM A653/A1008 Grade 50				ASTM A653/A1008 Grade 80			
Grade	ASTM A653 Grade 33				ASTM A563 Grade 40				ASTM A653/A1008 Grade 50				ASTM A653/A1008 Grade 80			
Tensile Strength	45 ksi				55 ksi				65 ksi				82 ksi			
Thickness	22 ga.	20 ga.	18 ga.	16 ga.	22 ga.	20 ga.	18 ga.	16 ga.	22 ga.	20 ga.	18 ga.	16 ga.	22 ga.	20 ga.	18 ga.	16 ga.
Pull-out (lb.)	255	306	408	509	311	374	498	623	368	442	589	736	464	557	743	928

**CORROSION PROTECTION**

Meets or exceeds FM4470 corrosion standards per Kesternich DIN 50018 SFW 2.0 test. of 15 cycles.



**DISCLAIMER**

The performance specifications published in this literature are based on controlled laboratory tests and are intended as a guideline only. They are not guaranteed in any way by TFC (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.