PRODUCT SUBMITTAL

TRUSS/RAFTER SCREW

JOB NAME:	
CONTRACTOR:	DATE:
NOTES:	

ALTENLOH, BRINCK & CO. US, INC. 2105 County Road 12C • Bryan, OH 43506 • 419-630-2490 • info@spax.us • www.spax.us

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TRUSS/RAFTER SCREW

TRUSS/RAFTER ATTACHMENT FASTENING SOLUTION

SPAX® T-STAR *plus* Cylindric Head fasteners with WIROX® coating are designed for interior framing applications typically found in residential dwelling truss/rafter attachments.

The ideal replacement for Hurricane Clips - Applications:

- Interior framing
- Stud / Double Top Plate / Truss-Rafter Connection
- Double Top Plate / Truss-Rafter Connection (in between studs)

FEATURES:

- T-STAR *plus* Drive - Provides superior bit engagement to eliminate camming out and to facilitate single hand, overhead driving.
- Cylindric Head - Has a low splitting effect and pulls flush into the wood substrate.
- Patented Thread Serrations - Dramatically increase installation speed by cutting through the wood fibers.
- Unique *4CUT*™ Point - Pierces and separates the wood for a quick and easy installtion with no pre-drilling.

SCREW HEAD OPTIONS:

- Cylindric head syle

COATING OPTIONS:

- WIROX® coating for interior applications.

CODE / TECHNICAL REPORTS:

- IRC/IBC Code Compliant DrJ TER No. 1912-07 Properties Report
- DrJ TER No. 1910-02 Truss/Rafter Application Report
- Truss / Rafter To Top Plate Connection Technical Bulletin

INSTALLATION NOTES:

- Install fastener upward through the wall top plates or wood structural framing member at the bottom corner of the top plate(s) and into the center of the wood truss or rafter. The fastener should be installed at an upward angle from the vertical of 20° to 30° and should penetrate the wood truss, rafter, or joist within 1/4" of the centerline. Fasteners located between studs may be installed at a 90° angle.

ORIGINS:

- Manufactured in Germany

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MATERIALS & COATINGS:

WIROX®:

"WIROX" is tested and recognized for use in untreated and above ground contact pressure treated lumber for interior dry/damp general construction applications (e.g. AWPA UC1-UC4A, UCFA).

USE CATEGORY	BRIEF DESCRIPTION
UC1	Interior Dry
UC2	Interior Damp
UC3A	Exterior Above Ground, Coated with Rapid Water Runoff
UC3B	Exterior Above Ground, Uncoated or Poor Water Runoff
UC4A	Ground Contact, General Use
UC4B	Ground Contact, Heavy Duty
UC4C	Ground Contact, Extreme Duty
UC5A	Marine Use, Northern Waters (Salt or Brackish Water)
UC5B	Marine Use, Central Waters (Salt or Brackish Water)
UC5C	Marine Use, Southern Waters (Salt or Brackish Water)
UCFA	Interior Above Ground Fire Protection
UCFB	Exterior Above Ground Fire Protection

Information referenced from the AWPA site: https://awpa.com/info/technical/codes

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CHECK ALL THAT APPLY FOR SUBMITTAL

HEAD TYPE:

- ○ Cylindric Head

SIZE:

- ○ #14

COATING TYPE:

- ○ WIROX®

LENGTH:

- ○ 6-1/4"

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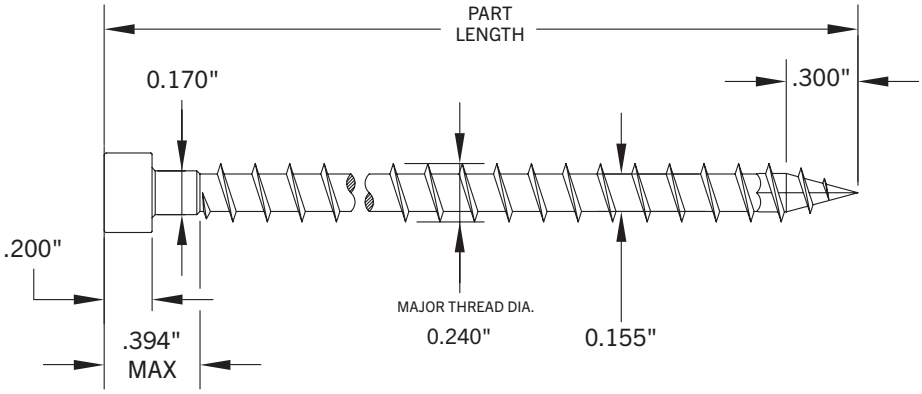
T-STAR *plus* CYLINDRIC HEAD WIROX®

SPAX® T-STAR *plus* Cylindric Head fasteners with WIROX® coating are designed for interior framing applications typically found in residential dwelling truss/rafter attachments. Cold-rolled "carbon steel" wire, heat treated to grade 5 durability and plated with a WIROX® finish to prevent red rust. "WIROX" is tested and recognized for use in untreated and above ground contact pressure treated lumber for interior dry/damp general construction applications (e.g. AWPA UC1-UC2, UCFA).



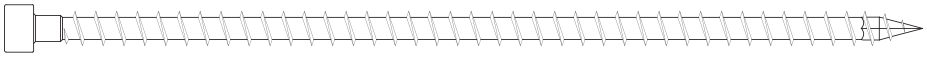
PRODUCT SELECTION

DrJ ◆ TER No. 1910-02 Trusses Properties & Applications (see pg. 100-102)

PART LENGTH	THREAD LENGTH	HEAD SIZE	DRIVE/BIT SIZE	QTY.	PKG. TYPE	MASTER QTY.	PART NO.
#14 x 6-1/4" ◆	Full	0.320"	T30+	50	Contractor Pax®	N/A	42110106016045
				500	Bulk Pail	N/A	32110106016040

FASTENER LENGTH

DrJ ◆ TER No. 1910-02 Trusses Properties & Applications (see pg. 100-102)

PART LENGTH	HEAD	FASTENER
#14 x 6-1/4" ◆		

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PERFORMANCE SPECIFICATIONS

TER No. 1912-07
Structural Wood Fastener Properties

ALLOWABLE STEEL STRENGTH[1]			ALLOWABLE WITHDRAWAL (W) AND HEAD PULL-THROUGH (P) DESIGN VALUES[2,3,4,5]					
			HEM FIR & SPRUCE-PINE-FIR (0.42)		DOUGLAS-FIR (0.50)		SOUTHERN PINE (0.55)	
DIAMETER	TENSILE STRENGTH (lbs.)	SHEAR STRENGTH (lbs.)	WITHDRAWAL W (lbs./in.)	HEAD PULL-THROUGH (lbs.) P (lbs.)	WITHDRAWAL W (lbs./in.)	HEAD PULL-THROUGH (lbs.) P (lbs.)	WITHDRAWAL W (lbs./in.)	HEAD PULL-THROUGH (lbs.) P (lbs.)
#14 x 6-1/4"	990	750	130	235	130	285	205	285

1. Shear strength is determined in accordance with *AISI S904* using minor thread diameter when fastener is tested in threaded section.
2. Tabulated pull-through values shall be adjusted by all applicable adjustment factors per *NDS* Table 11.3.1.
3. For wood species with an assigned specific gravity greater than 0.50, use the tabulated values for specific gravity of 0.50.
4. Tabulated withdrawal values shall be adjusted by all applicable adjustment factors per *NDS* Table 11.3.1.
5. For wood species with an assigned specific gravity between 0.42 and 0.50, use the tabulated values for specific gravity of 0.42. For wood species with an assigned specific gravity between 0.50 and 0.55, use the tabulated values for specific gravity of 0.50. For wood species,= with an assigned specific gravity greater than or equal to 0.55, use the tabulated values for specific gravity of 0.55.

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