



## FiberTite Magnum Fasteners and Magnum-Plus Stress Plates

### Product Data

FiberTite #15 Magnum Fasteners and Magnum-Plus Stress Plates are designed and engineered to provide enhanced load distribution and superior wind resistance for all mechanically attached FiberTite Roofing Systems.

#### DESCRIPTION

FiberTite Magnum Fasteners provide superior withdrawal and back-out resistance. FTR Magnum Fasteners incorporate a reduced diameter drill point for exceptional drilling, buttress threads for increased back-out torque and a high performance epoxy E-coat for superior corrosion resistance.

FiberTite Magnum-Plus Stress Plates are manufactured from 0.47 in. (1.19 mm thick) AZ50 Galvalume coated steel, are rectangular in shape; with three-quarter inch (1.9 cm) radial corners, a 0.25 in (0.635 cm) hole in the center of the plate, a raised reinforcement area to resist deflection and twelve (12) bars to enhance wind resistance.

All FiberTite Magnum Series Fasteners and Stress Plates exceed FM Global (FMG 4470) requirements for corrosion resistance and are FMG Approved for Class 1 Mechanically Attached FiberTite Roofing Systems.

#### APPLICATION

FiberTite Magnum Fasteners and Magnum-Plus Stress Plates are engineered for all Mechanically Attached FiberTite Roofing Systems: including 100-in wide membranes.

For fastener and stress plate placement, installation instructions, and frequency and their correlation to specific approvals for wind resistance, consult the most current versions Seaman Corporation's Guide Specifications for the Installation of Mechanically Attached FiberTite Roofing Systems.

#### PHYSICAL PROPERTIES

Material	Case hardened carbon steel
Drive	#3 Phillips
Thread Diameter	0.263 in (0.67 cm)
Shank Diameter	0.204 in (0.52 cm)
Head Diameter	0.438 in (1.10 cm)
Point Type	Drill
Coating	E-Coat
Withdrawal Load*	725 lb+ (329 kg+)

\*in 22 Ga. (0.91 thick) Grade 80 Steel

#### MINIMUM PENETRATION

Steel (thickness 26 ga (.019") through 18 ga (.045"))	0.75"
Plywood (min. thickness 0.75")	0.25"
Wood 2x (1 1/2" thick)	1.0"
Structural Concrete	1.0"

#### PULL OUT (LBS AVG.)

22 ga	706
20 ga	898
18 ga	1140
4000 psi concrete	728
3/4" plywood	703
2x dimensional lumber (1" penetration)	692
<b>Non FM Approved Decks:</b>	
26 ga	301
24 ga	453



For more information on FiberTite Systems and accessories please call:  
Seaman Corporation (800) 927-8578  
International (330) 262-1111  
[www.fibertite.com](http://www.fibertite.com)

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ROOFING SOLUTIONS

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Subject to the conditions of Approval for a roof covering when installed as described in the current edition of the Approval Guide.

These specifications are current as of the date of printing. Revisions or additions may be issued periodically. For a listing, presentation, and download of the most recent data, visit:

[www.fibertite.com/document-library/product-data-sheets](http://www.fibertite.com/document-library/product-data-sheets)