

# Extra Heavy Duty Roofing Fastener

## PRODUCT DATA SPECIFICATIONS

### PRODUCT DESCRIPTION

The Flex Extra Heavy Duty Roofing Fastener (#15) is a specialized, high performance fastener designed to secure roofing materials to certain light gauge steel (20 ga. and lighter), O.S.B., plywood or aluminium\* roof decks. It is available in lengths from 2- to 16-inches and is Factory Mutual and Miami-Dade approved.

### FEATURES & BENEFITS

- Oversized heavy shank and thread diameters for enhanced pullout resistance in light gauge steel and aluminum roof decks.
- Deep buttress threads further increase pullout resistance.
- Miniature drill point penetrates decks quickly and contributes to exceptional resistance to back-out as well as pullout.

### APPLICATION

The Flex Extra Heavy Duty Roofing Fastener should **always be tested** on site by a Flex representative to determine performance and proper installation procedure. Call Flex to schedule testing.

### COATING

CR-10 corrosion resistant coating passes the corrosion requirements of FM Approval Standard 4470 and ETAG 006.

### PLATES & ACCESSORIES

A variety of plates are available. Contact Flex to determine the appropriate plate for your application.

To speed installation, this fastener can be used with the AccuTrac® System and is also available pre-assembled. **See AccuTrac or ASAP®.**

### APPROVALS



\*FM does not recognize OSB, plywood or aluminum deck types.



USE WITH  
**S**  
**W**  
**AL**  
DECK TYPES

### PHYSICAL DATA†

The data below is constant for each Flex Extra Heavy Duty Roofing Fastener.

HEAD	THREAD
#3 Phillips Truss Head**	.265" Diameter
	SHANK
.435" Diameter	.202" Diameter
	COATING
	CR-10

\*\*#3 Phillips bit included in each bucket/carton.

### ORDERING INFORMATION

CAT. NO.	LENGTH	THREAD	PKG	WEIGHT
XHD002B	2"	Full	1000	20 lbs.
XHD003B	3"	Full	1000	29 lbs.
XHD004B	4"	3"	1000	38 lbs.
XHD005B	5"	4"	500	24 lbs.
XHD006B	6"	4"	500	28 lbs.
XHD007B	7"	4"	500	34 lbs.
XHD008B	8"	4"	500	38 lbs.
XHD009B	9"	4"	500	42 lbs.
XHD010B	10"	4"	500	47 lbs.
XHD011B	11"	4"	500	52 lbs.
XHD012B	12"	4"	500	56 lbs.
XHD014	14"	4"	250	32 lbs.
XHD016	16"	4"	250	38 lbs.

B = Bucket

Other sizes available up to 24-in. Call for details.

†All sizes are nominal.

#### KEY:

<b>S</b> Steel	<b>SC</b> Structural Concrete
<b>W</b> Wood	<b>LC</b> Lightweight Concrete
<b>G</b> Gypsum	<b>LWIC</b> Lightweight Insulating Concrete
<b>P</b> Purlins	<b>CWF</b> Cementitious Wood Fiber
<b>AL</b> Aluminum	

**Flex**<sup>TM</sup>  
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# Extra Heavy Duty Roofing Fastener

## PRODUCT DATA SPECIFICATIONS

### SPECIFICATION

The fastener will be a Flex Extra Heavy Duty Roofing Fastener (#15) with a thread diameter of .265-in. The fastener must have 13 threads per inch and a drill point. Also, the fastener must be heat treated per specification OMG-1. The Flex Extra Heavy Duty Roofing Fastener will be used with a Factory Mutual approved, Flex round pressure plate or pressure bar.

### COATING REQUIREMENT

The fastener will be coated with the CR-10 corrosion resistant coating which passes the corrosion requirements of FM Approval Standard 4470 and ETAG 006.

### APPLICATION

The Flex Extra Heavy Duty Roofing Fastener should always be tested on site by a Flex representative to determine performance and proper installation procedure. Call Flex to schedule testing.

**Note: Care must be taken not to overdrive the fastener.** Fastener must be tight enough so that the plate doesn't turn. For best results, use a variable speed 0–2500 RPM screw gun.

**To speed installation, this fastener can be used with the AccuTrac® System. See AccuTrac.**

### PHYSICAL DATA

The data below is constant for each Flex Extra Heavy Duty Roofing Fastener.

HEAD	THREAD
#3 Phillips Truss Head .435" Diameter	.265" Diameter SHANK .202" Diameter
PACKAGING	COATING
250, 500, 1000/container	CR-10

### FLEX EXTRA HEAVY DUTY ROOFING FASTENER LENGTH SELECTION PROCEDURE

1. If applicable, determine the thickness of the existing roofing material.
2. Add thickness of new insulation.
3. **For steel and aluminum:** Add ¾-inch minimum fastener penetration.
4. For OSB and plywood, add ¾-inch minimum fastener penetration.
5. For wood plank (beam, tongue and groove), add 1-inch embedment.
6. If odd size requirement, always size up in length, not down. See example:

	Example:
Existing Roofing	3"
Cover Board	½"
Min. Penetration	¾"
Total Fastening	4 ¼"
Correct Length	5"

The proper Flex #15 Extra Heavy Duty Roofing Fastener for this project is 5 inches.

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