

HEAVY STEEL AND WOOD



Thermoplastic Single Ply and Multi-Ply Roofing Systems

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PRODUCT DESCRIPTION

The Flex Heavy Duty Roofing Fastener is designed to secure insulation to heavy steel (18 ga. – 22 ga.). It is available in lengths from 1 1/4" – 24".

APPLICATION

The Flex Heavy Duty Roofing Fastener must penetrate the deck a minimum of 3/4". Using a screwshooter, drive the fastener until a slight depression is seen around the plate, or with very rigid insulation boards, watch for the plate to dimple.

Note: Care must be taken not to overdrive the fastener and fracture the skin of the insulation. Fastener must be tight enough so that the plate doesn't turn.

HEAVY DUTY ROOFING FASTENER



Fast Facts

The Flex Heavy Duty Roofing Fastener is designed to secure insulation to heavy steel and wood decks.

FEATURES & BENEFITS

- Heavier shank & thread diameters than most "heavy duty" roofing fasteners.
- Deep thread for high pullout resistance.
- Extra sharp spade point for quick installation in new or reroof applications.

COATING

Flex CR-10 corrosion resistant coating exhibits less than 15% red rust after 30 Kesternich cycles. CR-10 coating exceeds F.M. Approval Standard 4470.

PLATES & ACCESSORIES

Use appropriate steel or plastic plates, depending upon the application. See Plates section.

For best installation results use a variable speed 0-2500 rpm screw gun. See Accessories section.

PHYSICAL DATA

	Cat. No.	Length*	Thread Length	Packaging	Weight
The data below is constant for each Flex Heavy Duty Roofing Fastener.	CR114	1 1/4"	Full	1000	12 lb
	CR134	1 3/4"	Full	1000	16 lb
	CRHD2	2"	Full	1000	18 lb
	CRHD3	3"	Full	1000	26 lb
	CRHD4	4"	3"	1000	34 lb
	CRHD5	5"	4"	500	22 lb
	CRHD6	6"	4"	500	26 lb
	CRHD7	7"	4"	500	30 lb
	CRHD8	8"	4"	500	34 lb
	CRHD9	9"	4"	500	37 lb
	CRH10	10"	4"	500	40 lb
	CRH11	11"	4"	500	44 lb
	CRH12	12"	4"	250	25 lb
	CRH14	14"	4"	250	29 lb
	CRH16	16"	4"	250	37 lb
	LONGER LENGTHS AVAILABLE UPON REQUEST. CALL FLEX FOR INFORMATION.				

Thread Diameter: .245

Shank Diameter: .190

Head Diameter: .435

Head Style: #3 Phillips Truss Head*

Coating: CR-10

*#3 Phillips bit included in each carton.

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HEAVY DUTY ROOFING FASTENER

SPECIFICATION

The fastener will be a Flex Heavy Duty Roofing Fastener with a shank diameter of .190 and a thread diameter of .245. The fastener must have 10 threads per inch and have a 30° spade point. Also, the fastener must be heat treated per specification OMG-1. The Flex Heavy Duty Roofing Fastener will be used with a Factory Mutual approved, Flex round pressure plate. The fastener must be Factory Mutual approved and made in America.

COATING REQUIREMENT

The fastener will be coated with the Flex CR-10 corrosion resistant coating. When subjected to 30 Kesternich cycles (DIN 50018), the fastener must show less than 15% red rust and surpass Factory Mutual Approval Standard 4470.

APPLICATION

The Flex Heavy Duty Roofing Fastener must penetrate the steel decks a minimum of 3/4". Using a screwshooter, drive the fastener until a slight depression is seen around the plate, or with very rigid insulation boards, watch for the plate to dimple.

Note: Care must be taken not to overdrive the fastener and fracture the skin of the insulation. Fastener must be tight enough so that the plate doesn't turn. Factory Mutual requires that the fastener penetrates the steel deck at the top flute.

PHYSICAL DATA

Head Diameter: .435 Head Style: #3 Phillips Truss Thread Diameter: .245 Shank Diameter: .190
Packaging: 250, 500, 1000/carton

HEAVY DUTY ROOFING FASTENER LENGTH SELECTION PROCEDURE

1. If applicable, determine thickness of existing roofing material.
2. Add thickness of new insulation.
3. Add 3/4" minimum fastener penetration.
4. If odd size requirement, always size up in length, not down. See example.

Example

Existing Roofing:	<u>1 3/4"</u>
New Insulation:	<u>1/2"</u>
Min. Embedment:	<u>3/4"</u>
Total Fastening	<u>3"</u>

Range:

The proper Heavy Duty Roofing Fastener for this example is 3".

Existing Roofing:	_____
New Insulation:	_____
Min. Embedment:	<u>3/4"</u>
Total Fastening	_____

Range:

Use this format to calculate your correct fastener size.



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