

isofast® Product Data Sheet for Carlisle SynTec Roof Systems



#12 Belted Fasteners:

Collated fastener for Insulation Securement

isofast belted fasteners are designed for use with the IF-160 or IF-240 automatic installation system.



For insulation attachment:

IF-L-70x70 Galvalume plate

Phillips Head Fastener

Material: Case hardened carbon steel
 Thread Diameter: 0.222"
 Shank Diameter: 0.167"
 Head Diameter: 0.448"
 Head Style: #3 Phillips
 Point Type: Drill point
 Coating: SFS intec e-coat
 Meets FM 4770 corrosion protection

Pull-out Values

Steel Deck:	18 ga.	787 lbs.
	22 ga.	513 lbs.
	20 ga.	695 lbs.
Plywood:	3/4"	575 lbs.
2X Dim Lumbs:	1" pen.	462 lbs.

Pull-out values obtained from laboratory testing. Field testing should be conducted to obtain exact results for each specific application.

Size	Carlisle Part #	Thread Length	Pieces/Ctn	Weight/Ctn
#12 x 2-1/4"	308612	Full	750	13
#12 x 2-7/8"	308613	Full	750	15
#12 x 3-1/4"	308614	Full	750	17
#12 x 3-3/4"	308615	Full	750	20
#12 x 4-1/2"	308616	4"	750	23
#12 x 5"	308617	4"	750	25
#12 x 6"	308618	4"	750	30
#12 x 7"	316249	4"	750	36
#12 x 8"	317306	4"	500	40
IF-L-70x70 insul. plate	*	N/A	750	61

* The Carlisle belted system is available in "kit" format. When ordering the fasteners, an equal amount of the corresponding plates will be included in the shipment

Application

Fasteners are designed for the attachment of insulation to steel (18-24 ga.) and wood. To meet FM requirements, the fastener must penetrate the high rib of the steel deck 3/4". Minimum penetration in wood is 1". Carlisle belted fasteners and plates **must** be installed using the IF-160 or IF-240 automatic installation tool available from SFS intec. Use of the IF-160 and IF-240 installation tool ensures reliable and consistent fastener and plate setting. Use the IF-160 to install belted fasteners up to 6" in length, and use the IF-240 for belted fasteners 7" or greater in length.

SFS intec, Inc.
 Wyomissing, PA 19610
 Phone: 800-DEKFAST
 fax: 610-376-8551
 www.sfsintecusa.com



isofast® Product Data Sheet for Carlisle SynTec Roof Systems



#15 Belted Fasteners:

Collated fastener for membrane attachment

The Carlisle belted fastener is designed for automatic installation and is engineered to provide exceptional membrane system performance. The Carlisle belted fastener offers these technical advantages:

- Superior pull-out performance.
- Specially designed buttress thread for increased back-out resistance.
- Expanded Factory Mutual Ratings
- Approved for steel and wood decks



#15-13 Phillips Head Fastener

Material: Case hardened carbon steel
 Thread Diameter: 0.260"
 Shank Diameter: 0.205"
 Head Diameter: 0.435"
 Head Style: #3 Phillips recess
 Point Type: Reduced drill point
 Coating: SFS intec e-coat
 Meets FM 4770 corrosion protection

Pull-out Values

Steel Deck:	18 ga.	1140 lbs.
	20 ga.	898 lbs.
	22 ga.	706 lbs.
Plywood:	3/4"	703 lbs.

Seam Barbed Plate

Diameter: 2-3/8"
 Material: AZ 50
 Thickness: 0.040"

Size	Carlisle Part #	Thread Length	Pieces/Ctn	Weight/Ctn
#15 x 2"	308619	Full	1000	20
#15 x 3"	308620	Full	1000	31
#15 x 4"	308621	Full	500	20
#15 x 5"	308622	4"	500	30
#15 x 6"	308623	4"	500	32
#15 x 7"	316250	4"	500	35
#15 x 8"	317308	4"	500	38
#15 X 9"	317309	4"	500	44
2-3/8" Barbed Plates	*	N/A	500	24

* The Carlisle belted system is available in "kit" format. When ordering the fasteners, an equal amount of the corresponding plates will be included in the shipment

Application

Fasteners are designed for the attachment of membrane to steel (18-24 ga.) and wood. To meet FM requirements, the fastener must penetrate the high rib of the steel deck 3/4". Minimum penetration in wood is 1". Carlisle belted fasteners and plates **must** be installed using the IF-160 or IF-240 automatic installation tool available from SFS intec. Use of the IF-160 and IF-240 installation tool ensures reliable and consistent fastener and plate setting. Use the IF-160 to install belted fasteners up to 6" in length, and use the IF-240 for belted fasteners 7" or greater in length.

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