

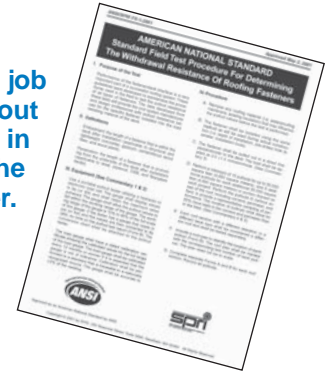


Product and Installation Support

- Fastener recommendations
- Job-site assistance
- Product training
- Delivery programs
- Technical assistance



We will go to the job and perform pullout tests to assist you in determining the proper fastener.



Need it now?

Ask about our NEED-IT-NOW! product program that helps you find those hard to find fasteners for difficult applications.

We also offer fasteners compatible with the following roof systems

- Carlisle • Firestone • GAF
Genflex • Johns-Manville
Sarnafil • Soprema • Tamko • Versico



#10-11 GIMLET POINT BUTTON HEAD

Uses: 20 ga. or thinner steel deck and wood deck.
Material: Carbon Steel

Corrosion Protection: Epoxy coating (black) meets or exceeds FM4470 corrosion standards and withstands 25 cycles of the Kesternich DIN 50018 SFW 2.0 test.



SIZES AND PERFORMANCE SPECIFICATIONS

Screw Length	Thread Length	Pieces/Box	Weight/Box
1-5/8" (41mm)	FULL	1000	12# (5kg)
2-1/4" (57mm)	FULL	1000	14# (6kg)
2-7/8" (73mm)	FULL	1000	18# (8kg)
3-3/4" (95mm)	2-7/8" (73mm)	1000	23# (10kg)
4-1/2" (114mm)	4" (102mm)	1000	26# (12kg)
5" (127mm)	4" (102mm)	1000	29# (13kg)
6" (152mm)	4" (102mm)	1000	34# (15kg)

Pull-out Values in Steel	
20 Ga.	560 lbs. (252kg)
22 Ga.	410 lbs. (184kg)
24 Ga.	364 lbs. (163kg)

Pull-out Values in Wood	
1/2" Plywood	348 lbs. (156kg)
3/4" Plywood	585 lbs. (263kg)
Wood Plank - 1" Embedment	353 lbs. (159kg)

ATTACHMENT TIPS

Metal Deck: Fastener must penetrate the deck by a minimum of 3/4".

Concrete and Wood: Fastener embedment of at least 1" or a minimum of 1" penetration through wood decking.

Sentry Plus Five fasteners are FM approved and fastener coatings meet FM specification #4470. Contact your TFC product professional for approval details.



**#12-15 DP1 DRILL POINT
TRUSS HEAD**

Uses: Wood or steel (16 ga. - 22 ga.).
Material: Carbon Steel

Back-out Resistance: Typical back-out steel deck
(18 ga. through 24 ga.) 10 - 14 in lbs.

Corrosion Protection: Epoxy coating (black)
meets or exceeds FM4470 corrosion standards
and withstands 25 cycles of the Kesternich DIN
50018 SFW 2.0 test.

Head Height: .095" - .105"
Head Diameter: .425" - .440"



SIZES AND PERFORMANCE SPECIFICATIONS

Screw Length	Thread Length	Pieces/ Box	Weight/Box
1-5/8" (41mm)	FULL	1000	12#
2-1/4" (57mm)	FULL	1000	16#
2-7/8" (73mm)	FULL	1000	19#
3-1/4" (83mm)	2-7/8" (22mm)	1000	22#
3-3/4" (95mm)	2-7/8" (22mm)	1000	25#
4-1/2" (114mm)	4" (101mm)	1000	30#
5" (127mm)	4" (101mm)	1000	32#
6" (152mm)	4" (101mm)	1000	38#
7" (177mm)	4" (101mm)	1000	42#
8" (203mm)	4" (101mm)	1000	48#



**#12-15 DP1 DRILL POINT
1/4" HEX WASHER HEAD**

Uses: Wood or steel (16 ga. - 22 ga.).
Material: Carbon Steel

Back-out Resistance: Typical back-out steel deck
(18 ga. through 24 ga.) 10 - 14 in lbs.

Corrosion Protection: Epoxy coating (black) meets
or exceeds FM4470 corrosion standards and
withstands 25 cycles of the Kesternich DIN 50018
SFW 2.0 test.



Pull-out Values in Steel	
18 Ga.	558 lbs.
20 Ga.	456 lbs.
22 Ga.	452 lbs.
24 Ga.	335 lbs.

ATTACHMENT TIPS

Metal Deck: Fastener must penetrate the deck by
a minimum of 3/4".

Concrete and Wood: Fastener embedment of at
least 1" or a minimum of 1" penetration through
wood decking.



**#14-13 DP1 DRILL POINT
TRUSS HEAD
CARBON STEEL**

Uses: Wood, concrete or steel (16 ga. - 22 ga.).
Material: Carbon Steel

Corrosion Protection: Epoxy coating (black) meets or exceeds FM4470 corrosion standards and withstands 25 cycles of the Kesternich DIN 50018 SFW 2.0 test.

Head Height: .095" - .105"
Head Diameter: .425" - .440"



ATTACHMENT TIPS

Metal Deck: Fastener must penetrate the deck by a minimum of 3/4".

Concrete and Wood: Fastener embedment of 1" or a minimum of 1" penetration through wood decking.

SIZES AND PERFORMANCE SPECIFICATIONS

Screw Length	Thread Length	Pieces/Box	Weight/Box
1-1/2"	FULL	1000	14#
2"	FULL	1000	18#
3"	FULL	1000	26#
4"	3-7/8"	1000	31#
5"	3-7/8"	1000	42#
6"	3-7/8"	1000	47#
7"	3-7/8"	500	27#
8"	3-7/8"	500	30#
9"	3-7/8"	500	34#
10"	3-7/8"	500	38#
11"	3-7/8"	500	43#
12"	3-7/8"	500	45#

Pull-out Values in Steel	
18 Ga.	830 lbs.
20 Ga.	656 lbs.
22 Ga.	472 lbs.
24 Ga.	347 lbs.

Pull-out Values in Concrete 3000PSI	
1" Embedment	740 lbs.

Pull-out Values in Wood	
1/2" Plywood	442 lbs.
3/4" Plywood	495 lbs.
Wood Plank 1" Embedment	517 lbs.

Shear Strength in Concrete 3000PSI	
1" Embedment	586 lbs.

(Loads are average ultimate)



**#14-13 DP1 DRILL POINT
TRUSS HEAD
STAINLESS STEEL**

Uses: Wood or steel (16 ga. - 22 ga.).
Material: TRIM-RIITE martensitic stainless steel passivated. Magnetic

Factory Mutual Systems Approved: JI-1H2Ao.AM, JI-0J9A1.AM, JI-1G1A6.AM. 18 ga.- 20 ga. - 22 ga. metal decks, wood decks and reroof steel decks.

Corrosion Protection: Passivated meets or exceeds FM4470 corrosion standards and withstands 30 cycles of the Kesternich DIN 50018 SFW 2.0 test.

Head Height: .095" - .105"
Head Diameter: .425" - .440"



Properties	Annealed	Hardened*
02% Yield Strength		
KSi	57	184
MPa	394	1270
Tensile Strength		
KSi	94	260
MPa	650	1800
% Elongation (in 1")	35	14
% Reduction of Area	68	52
Hardness	B87	C50

*1900°F 15 minute aircool plus 400°F hr, AC

SIZES AND PERFORMANCE SPECIFICATIONS

Screw Length	Thread Length	Pieces/Box	Weight/Box
1-1/2"	FULL	1000	14#
2"	FULL	1000	18#
3"	FULL	1000	26#
4"	3-7/8"	1000	31#
5"	3-7/8"	1000	42#
6"	3-7/8"	1000	47#
7"	3-7/8"	500	27#
8"	3-7/8"	500	30#
9"	3-7/8"	500	34#
10"	3-7/8"	500	38#
11"	3-7/8"	500	43#
12"	3-7/8"	500	45#

Pull-out Values in Steel	
18 Ga.	830 lbs.
20 Ga.	656 lbs.
22 Ga.	472 lbs.
24 Ga.	347 lbs.

Pull-out Values in Concrete 3000PSI	
1" Embedment	740 lbs.

Pull-out Values in Wood	
1/2" Plywood	442 lbs.
3/4" Plywood	495 lbs.
Wood Plank 1" Embedment	517 lbs.

Shear Strength in Concrete 3000PSI	
1" Embedment	586 lbs.

(Loads are average ultimate)



**#15-13 DP1 DRILL POINT
TRUSS HEAD
CARBON STEEL**

Uses: Wood, concrete or steel (16 ga. - 22 ga.).
Material: Carbon Steel

Corrosion Protection: Epoxy coating (black)
meets or exceeds FM4470 corrosion standards
and withstands 25 cycles of the Kesternich DIN
50018 SFW 2.0 test.

Head Height: .095" - .105"
Head Diameter: .425" - .440"



*Great for retrofit base attachment.
Tap up to 1/2" thick steel. Use
1/4" drill bit.*

SIZES AND PERFORMANCE SPECIFICATIONS

Screw Length	Thread Length	Pieces/Pail	Weight/Pail
1 1/4	FULL	1000	14#
2	FULL	1000	21#
3	2 7/8	1000	31#
4	3 7/8	1000	40#
5	3 7/8	1000	49#
6	3 7/8	500	29#
7	3 7/8	500	34#
8	3 7/8	500	38#
9	3 7/8	500	43#
10	3 7/8	500	48#
11	3 7/8	500	52#
12	3 7/8	500	57#
14	3 7/8	250/Bx	33#/Bx
16	3 7/8	250/Bx	38#/Bx
18	3 7/8	250/Bx	43#/Bx
20	3 7/8	250/Bx	47#/Bx
22	3 7/8	250/Bx	52#/Bx
24	3 7/8	250/Bx	56#/Bx

ATTACHMENT TIPS

Metal Deck: Fastener must penetrate the deck by a minimum of 3/4".

Concrete and Wood: Fastener embedment of 1" or a minimum of 1" penetration through wood decking.

Pull-out Values in Steel	
18 Ga.	916 lbs.
20 Ga.	916 lbs.
22 Ga.	538 lbs.

Pull-out Values in Wood	
19/32" Plywood	485 lbs.
1" Wood Plank Full penetration	995 lbs.
1/2" embedment	543 lbs.

Pull-out Values in Concrete 3000PSI	
1" Embedment	1002 lbs.

(Loads are average ultimate)

3" METAL STRESS PLATE

Testing: Meets or exceeds Factory Mutual I-60 or I-90 wind up lift specifications when properly installed on most insulation boards.

Feature: Plate is formed from 26 gauge Galvalume™ steel.

Use with Phillips Truss Head fastener.

Uses: They are used with virtually all types of insulation board used for roofing systems.

Galvalume is a trademark of BIEC International, Inc.



*Square, Hex, Round...Steel or Plastic...
We have what you need!*

- 3" x 3" Square Recessed Galvalume Metal
- 3" x 3" Square Flat Bottom Galvalume Metal
- 3" Across Flats Hex Galvalume Metal
- 3" Across Flats Hex Plastic
- 2" Round Galvalume Metal (Standard)
- 2" Round Galvalume Metal (Recessed)
- 2" Round Galvalume Metal with Plastic Locking Feature
- 2" Round Galvalume Metal with Plastic Locking Feature and Protective Outer Ring
- 3" Round Galvalume Metal (Standard)
- 3" Round Galvalume Metal (Recessed)
- 3" Round Plastic
- 3" Round Plastic with Locking Feature

