



InnoviFastTM Heavy Duty (HD) Fasteners

Stock #: 6300058-6300070

Thread Lengths: Range from 1.75-in. (44.4 mm) to 4-in. (101.6 mm).

Fastener Length in. (mm):	Pail Weight lbs. (kg):	Pail Quantity:
2 (50.8)	24 (10.8)	1,000
3 (76.2)	30 (13.6)	1,000
4 (101.6)	42 (19)	1,000
5 (127)	51 (23.1)	1,000
6 (152.4)	30 (13.6)	500
7 (177.8)	35 (15.8)	500
8 (203.2)	40 (18.1)	500
9 (228.6)	45 (20.4)	500
10 (254)	49 (22.2)	500
12 (304.8)	29 (13.1)	250
14 (355.6)	34 (15.4)	250
16 (406.4)	38 (17.2)	250

All reported values are nominal.

- #15 fastener for attachment of membrane, insulation, cover board, and metal terminations.
- Ideal for steel, wood, and structural concrete roof decks.
- Drill point design is able to cut through gravel and BUR.

System Compatibility

InnoviFast Heavy Duty (HD) Fasteners are intended for use with IKO InnoviTPO Roofing Systems and are approved for use with an appropriate IKO Diamond Shield Limited Warranty. Building owners, specifiers, roof consultants and roofing contractors are invited to review the IKO InnoviTPO System Specifications at www.iko.com/innovi for further information on including this product as part of a complete IKO roofing system.

Features and Benefits

- The 13-threads-per-inch (26 mm) design provides higher pull-out values.
- The drill point design prevents fastener walking and cuts through gravel and BUR.
- The fastener has a cathodic epoxy E-coating for resistance to humidity and cyclic corrosion.

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Installation

- For steel or wood substrates, use a 2,000–2,500-rpm screw gun with a hardened #3 Phillips bit (included). Structural concrete decks must be predrilled using a 3/16-inch (4.8 mm) carbide bit and 1,500-rpm screw gun or hammer drill in hammer mode to a minimum 1/2-inch (12.7 mm) deeper than fastener penetration.
- InnoviFast Heavy Duty (HD) Fasteners should be installed using InnoviFast seam plates, insulation plates, batten bar and termination bars.
- Minimum fastener penetration: Select a fastener length that allows the following penetration depths:
 - Steel decks: 3/4 inch (19 mm) through deck.
 - Wood decks: 1 inch (26 mm) into or through deck.
 - Plywood and OSB: 1 inch (26 mm) through deck.
 - Structural concrete: 1 inch (26 mm) into deck.

Physical Properties and Characteristics

MATERIAL STRENGTH	
Tensile:	4,350 lbf / 19,350 N
Shear:	3,700 lbf / 16,458 N
Torsional:	130 lbf•in. / 14.69 N•m

CORROSION-RESISTANT PROPERTIES	
15/15 Kesternich per FM 4470	
800-hour salt spray per ASTM B117	
Cathodic epoxy E-coat	

PULL-OUT STRENGTH: STEEL DECK	
18 Ga. (1.2 mm):	1,140 lbf / 5,171 N
20 Ga. (0.9 mm):	898 lbf / 3,995 N
22 Ga. (0.8 mm):	683 lbf / 3,038 N
24 Ga. (0.6 mm):	453 lbf / 2,015 N
26 Ga. (0.5 mm):	301 lbf / 1,339 N

PULL-OUT STRENGTH: WOOD DECK	
2x dimensional lumber:	692 lbf / 3,078 N
3/4-in. (19 mm) FR Plywood:	703 lbf / 3,127 N

PULL-OUT STRENGTH: CONCRETE DECK	
4,000 psi:	728 lbf / 3,228 N

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