The Insert that Changed the Anchoring Industry!

- Reduce labor costs
- Ideal for gravity & seismic anchorage
- Multiple internal threads reduces inventory
- Allows rod size changes after installation
- Internal threads eliminate costly couplings
- World class technical support
- Cracked concrete tested
- No special inspection
- Installs fast and secure
- No more drilling

Cutaway View
Showing Multiple Internal Threads

All reports listed below are owned by Tomarco/BIAT Construction Supplies

Patent Numbers
US 6,240,697 B1 and US 7,093,400 B1

*BUY AMERICAN COMPLIANT.
AVAILABLE BY SPECIAL REQUEST

Authorized Wholesale Distributor of the Blue Banger Hanger
Aerosmith Fastening Systems
AerosmithFastening.com
844-373-2666 Toll Free
SDI - Steel Deck Insert
Pre-Poured Concrete Steel Deck Inserts

Shown with Flute Span Bracket

PIP - Poured-in-Place Insert
For Wood Form Concrete Decks

RDI - Roof Deck Insert
For No-Concrete Steel Decks
SDI - Steel Deck Insert

Pre-Poured Concrete Steel Deck Inserts

SDI's are installed prior to pouring, reducing installation and material costs and increasing strength values.

Machined Steel Insert with Large Flanged Head
- Provides excellent shear values for overhead attachments
- Insert installed height of two inches can be used through or between ribs
- Patented grooved insert body prevents component separation even if the flute is broken off prior to pour

Multiple Internal Threads
- Reduces inventory so three inserts can accommodate five threaded rod sizes
- Allows for threaded rod size changes after inserts are installed
- Internal threads eliminate the need and cost of couplings

Three Inch Blue Plastic Sleeve
- Keeps internal threads clean
- Extended length makes insert easy to locate even with fireproofing on deck underside
- Plastic sleeve provides guidance to align threaded rod with matching internal female threads
- UL plenum rated for use in air handling spaces

Flute Span Bracket
- Allows the SDI to be installed at the side of the flutes
- Enables the SDI to realize the higher capacity that is achieved in the upper flute
- Positions all inserts on the project at the same elevation to eliminate multiple all thread rod lengths and improve the accuracy of off site prefabrication

PART# PART DESCRIPTION HOLE DIA BOX QTY
HEA-SDI143812 1/4", 3/8" and 1/2" Steel Deck Insert 13/16" - 7/8" 100
HEA-SDI381258 3/8", 1/2" and 5/8" Steel deck Insert 1-1/8" - 1-13/16" 50
HEA-SDI5834 5/8" and 3/4" Steel deck Insert 1-13/16" - 1-1/4" 50
HEA - FSBX Universal Bracket Bulk
SDI143812EBP 1/4", 3/8" and 1/2" SDI with Extended Base Plate 13/16" - 7/8" Bulk
SDI1381258EBP 3/8", 1/2" and 5/8" SDI with Extended Base Plate 1-1/8" - 1-13/16" Bulk
SDI5834EBP 5/8" and 3/4" SDI with Extended Base Plate 1-13/16" - 1-1/4" Bulk

Add "BAA" to the end of the part number for the Buy American Act compliant insert

The hammer blow must force the plastic sleeve thru the decking so it fully grips the bottom side to hold the insert vertical.

The spring pressure on the deck washer expands the plastic flange to create underside resistance so the insert withstands pre-pour impact and remains upright.
There's No Insert Like It Anywhere

Blue Banger Hangers are the insert of choice across the full spectrum of the construction industry and they're used extensively for the most complex and stringently enforced projects in the world including Hospitals, Biotech facilities, US Government projects, Educational facilities, and Airports just to name a few.

PIP - Pour-in-Place Insert*

For Wood Form Concrete Decks

Pour-in-Place inserts are used on wood form poured decks and installed prior to pouring concrete, reducing installation and material costs. Nails Easily Break off.

Machined Steel Insert with Large Flanged Head

- Provides excellent shear values for overhead attachments
- Insert installed height of two inches complies with typical design specifications

Multiple Internal Threads

- Reduces inventory so three inserts can accommodate five threaded rod sizes
- Allows for threaded rod size changes after inserts are installed
- Internal threads eliminate the need and cost of couplings

Plastic Attachment Inserts with Nails

- Blue plastic ring acts as insert locator when forms are removed
- Plastic ring creates countersunk recess to keep threads clean from pour residue
- UL plenum rated for use in air handling spaces

<table>
<thead>
<tr>
<th>PART#</th>
<th>PART DESCRIPTION</th>
<th>BOX QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEA-PIP143812</td>
<td>1/4&quot;, 3/8&quot; and 1/2&quot;</td>
<td>200</td>
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<tr>
<td>HEA-PIP381258</td>
<td>3/8&quot;, 1/2&quot; and 5/8&quot;</td>
<td>150</td>
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<tr>
<td>HEA-PIP5834</td>
<td>5/8&quot; and 3/4&quot;</td>
<td>150</td>
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<tr>
<td>CEA - PIPinstallwide</td>
<td>Poured-in-Place Tool</td>
<td>1</td>
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</tbody>
</table>

Add "BAA" to the end of the part number for the Buy American Act compliant insert
Blue Banger Hangers have been engineered to save you time and money and are backed by industry leading test approvals design and application engineering. Each insert handles multiple threaded rod diameters and installs in a fraction of the time of post installed anchors. Blue Banger Hangers are the insert of choice for Mechanical, Plumbing, Fire Sprinkler and Electrical contractors.

- No special inspection
- Installs fast and secure
- Fully cracked concrete tested for vertical and dynamic seismic loading
- Backed By: ICC Report ESR-3599 Granted Under AC446

All reports listed below are owned by Tomarco/ISAT Construction Supplies

RDI - Roof Deck Insert

For No-Concrete Steel Decks

Roof Deck Insert anchors have a low profile attachment plate that does not protrude into roofing membrane. Fully assembled for field installation including prestaked deck screws.

Benefits
- Low profile attachment plate does not protrude into roofing membrane
- Fully assembled for quick field installation - including pre-staked deck screws
- Vertical support loads of 300 lbs in 20 gauge deck
- Designed for install on top or bottom of deck flute
- Reduces inventory so one inserts can accommodate three threaded rod sizes
- Allows for threaded rod size changes after inserts are installed
- Internal inventory eliminates the need and cost of couplings
- UL plenum rated for use in air handling spaces

Easy Installation
Step 1 - Drill or Punch Access hole
Step 2 - Insert RDI Roof Deck Insert
Step 3 - Thread Pre-Staked Screws Into Deck

<table>
<thead>
<tr>
<th>PART #</th>
<th>PART #</th>
<th>HOLE DIA</th>
<th>BOX QTY</th>
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</thead>
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<tr>
<td>RDI143812</td>
<td>1/4&quot;, 3/8&quot; and 1/2&quot; Roof Deck Insert</td>
<td>13/16&quot; - 7/8&quot;</td>
<td>50</td>
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</tbody>
</table>

Add “BAA” to the end of the part number for the Buy American Act compliant insert
Installation Solutions

Pole Tools & Accessories

<table>
<thead>
<tr>
<th>PART#</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>A</td>
<td>POLMKEY36 3’-6” Telescoping Install Tool w/Keyless Chuck</td>
</tr>
<tr>
<td>B’</td>
<td>SDDHS1   30” Deck Driller with 13/16” Hole Saw</td>
</tr>
<tr>
<td>C’</td>
<td>SDDHS2   30” Deck Driller with 1-3/16” Hole Saw</td>
</tr>
<tr>
<td>D’</td>
<td>SDDSB4   30” Deck Driller with 3/16” - 7/8” Step Blt</td>
</tr>
<tr>
<td>E’</td>
<td>SDDSB5   30” Deck Driller with 1/4” - 1-3/8” Step Blt</td>
</tr>
<tr>
<td>P</td>
<td>CEA-PIPINSTALL1 Bazooka PIP Install Tool</td>
</tr>
<tr>
<td>P</td>
<td>CEA-PIPINSTALL2 Bazooka PIP Install Tool</td>
</tr>
<tr>
<td>G’</td>
<td>CEA-BBDP1 13/16” Deck Punch</td>
</tr>
<tr>
<td>H’</td>
<td>CEA-BBDP2 1-3/16” Deck Punch</td>
</tr>
</tbody>
</table>

**CEA-PIPINSTALLWIDE POUR IN PLACE TOOL 2 WIDE**

| I’    | SB4      3/16” - 7/8” Step Blt |
| J’    | SB5      1/4” - 1-3/8” Step Blt |
| K’    | HS1      13/16” Hole Saw Only |
| L’    | HS2      1-3/16” Hole Saw Only |
| K&L   | HSA      Arbor for Hole Saw Only |
| M’    | HSC1     13/16” Carbide Tip Hole Saw Only |
| N’    | HSC2     1-3/16” Carbide Tip Hole Saw Only |
| M&N   | HSCA     Arbor for Carbide Tip Hole Saw Only |

1. For use with HEA-SD143812 and RD143812
2. For use with HEA-SD1381258 and RD15834
3. For use with HEA-PIP143812 only
4. For use with HEA-PIP143812, HEA-PIP381258 & HEA-PIP5834

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