Just Push It!!!

Saves Labor
Just Push Rod to Engage
(No Turn Threading)

No Installer Error
Patented Engagement Markings Ensures that Rods are Installed Correctly

Multiple Rod Sizes
Fits both 3/8” and 1/2” Threaded Rod

Wood Form Poured-in-Place Insert

Steel Deck Insert

THE ORIGINAL BLUE BANGER HANGER DECK INSERT JUST GOT EVEN BETTER
 Revolutionary patented insert design beyond the Blue Banger Hanger

The Push Rod Hanger Inserts were engineered from the original, patented Blue Banger Hanger. That’s right, the insert that changed the anchoring industry just got even better. The Push Rod Overhead Attachment System features a revolutionary patented auto-lock chamber that locks in threaded rod. Installers will quickly realize the labor savings benefits of simply pushing threaded rod into the Push Rod Auto-Lock Insert instead of turn threading. But wait, it gets even better, the threaded rods themselves include patented Engagement Markings that confirm full engagement. No second guessing, no installer error. Plus, just like the Blue Banger Hanger cousin, Push Rod Hanger’s reduce inventory because each insert accommodates multiple rod sizes that can be changed after installation.

How’s that for innovation?

Just Push It!!!

Push to engage, reverse thread to change rod sizes.

Factory pre-assembled rods with precisely placed Engagement Markings. CEAS Assemblies with Engagement Markings MUST be used with the PUSH ROD.

Load values achieved when Engagement Marking is flush up against protruding plastic sleeve.

Takes the guess work out of installation.

NO INSTALLER ERROR.
Revolutionary Push Rod Overhead Attachment System

How do you reduce field installation labor costs? Use the Push Rod Overhead Attachment System!!!

Hanger material arrives on the jobsite ready to be installed. No time wasted assembling components. Just grab it and Push It!

Trapezes and Assemblies can be labeled to correspond with specific locations on drawings.

US Pat. #9,181,691 B2
Patented Push-Lock Concrete Anchor Inserts

PRSDI - Steel Deck Insert
Push Rod For Pre-Poured Concrete Steel Deck Inserts

PRSDI's are installed prior to pouring, reducing installation and material costs and increasing strength values. (Ideal for gravity & seismic anchorage)

**Just Push It!!!**
- No threading - simply PUSH ROD (Installs fast and secure)
- Saves labor costs
- Fits both 3/8” and 1/2” threaded rod
- Eliminates the need and cost of couplings

**CEAS Engagement Markings**
- Patented Engagement Markings confirm full engagement (eliminates guessing)
- Fits both 3/8” and 1/2” Threaded Rod
- Eliminates the need and cost of couplings

**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 plastic flute is broken off prior to pour

**Three Inch Plastic Sleeve**
- Keeps internal threads clean
- Extended length makes insert easy to locate even with fireproofing below the deck
- Plastic sleeve provides guidance to align threaded rod with internal auto-lock chamber
- UL plenum rated for use in air handling spaces

**Optional Flute Span Bracket**
- Allows the PRSDI to be installed at the side of the flutes
- Enables the PRSDI 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 thread rod lengths and improve the accuracy of off site prefabrication

*It doesn’t get any easier than this...*

**Easy Installation (See Installation Tools on Page 11)**

- 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 resistance so the insert withstands pre-pour impact and remains upright.
- Push to Engage. Factory pre-assembled rods with precisely placed Engagement Markings confirm full engagement.
- Load values achieved when indicator strip is up against protruding plastic sleeve.
Innovative, Labor Saving Solutions

PRPIP - Poured-in-Place Insert

Push Rod 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

Just Push It!!!

- No threading - simply PUSH ROD (Installs fast and secure)
- Saves labor costs
- Fits both 3/8" and 1/2" threaded rod
- Eliminates the need and cost of couplings

CEAS Engagement Markings

- Patented Engagement Markings confirm full engagement (eliminates guessing)
- Fits both 3/8" and 1/2" Threaded Rod
- Eliminates the need and cost of couplings

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

Plastic Attachment Inserts with Nails

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

Hammer PRPIP to wood deck before the concrete pour. The nails hold the insert in place.

Once the wood deck is removed, the PRPIP nails can easily be removed with a hammer blow.

Push to Engage. Factory pre-assembled rods with precisely placed Engagement Markings confirm full engagement.

Load values achieved when indicator strip is up against protruding plastic sleeve.

No drilling concrete, No using rod couplers, No special inspection, No installer error!

Easy Installation
How to Order

Step 1 - Determine the type and quantity of inserts required for the project.
Step 2 - Complete and sign this form.
Step 3 - Review project information and determine the prefabricated support or threaded rod requirements.
  • This information may not be available when the inserts are ordered due to the project coordination schedules.
  • Once the dimensions are known, complete the applicable order forms on pages 7-10.
Step 4 - Issue a PO# for the material with applicable CEAS product order forms.
Step 5 - Material is delivered to the project assembled and ready to be pushed into place.

PRPIP3812

- **Poured-in-Place Insert (for wood form decks)**
  - Add “BAA” to the end of the part number for Buy American Act compliant

<table>
<thead>
<tr>
<th>Qty</th>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td></td>
<td>CEA-PRPIP3812</td>
<td>Push Rod SDI 3/8” &amp; 1/2” (150/box)</td>
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</tbody>
</table>

PRSDI3812

- **Steel Deck Insert (for pre-poured concrete)**
  - Add “BAA” to the end of the part number for Buy American Act compliant

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<th>Description</th>
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<tr>
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<tr>
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<td>F583</td>
<td>Flute Span Bracket for PRSDI3812</td>
</tr>
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Contractor: 

Project Name and Address: 

PO# 

Order Date: 

**All Orders are Custom and Therefore Non-cancellable and Non-returnable**

Intent to Purchase: The Push Rod Overhead Attachment System is only sold with Rods and/or assemblies with engagement markings manufactured by CEAS or ISAT, divisions of Tomarco Contractor Specialties. As such, this order form serves as a Letter of Intent to purchase the remaining components of the assemblies from Tomarco Contractor Specialties or its subsidiaries.

FAILURE TO PURCHASE THE NECESSARY COMPONENTS TO COMPLETE THE PUSH ROD OVERHEAD ATTACHMENT SYSTEM VOIDS ALL WARRANTIES AND CEAS TECHNICAL DATA AND COULD CREATE AN UNSAFE ATTACHMENT.

The signee acknowledges the requirement to purchase Push Rod components with Engagement Markings for the project referenced above. MATERIAL WILL NOT BE SHIPPED WITHOUT A SIGNED COPY OF THIS DOCUMENT.
Fig. 190  Pre-Fabricated Trapeze

- Grab the trapeze and Just Push It!!!
- Supports Pipe, Conduit and HVAC Duct
- Prefabricated trapezes save time and money
- No time wasted in the field with unnecessary assembly
- Refer to project building code to determine when seismic bracing is required
- Trapeze assembly capacities are all reviewed and confirmed by a Structural Engineer
- The Push Rod insert is Seismically Qualified for use in cracked concrete
- Trapeze assemblies can be manufactured in any configuration. Just send us the drawings.

Contractor:  
Project Name and Address:  

PO#  
Order Date:  

**All Orders are Custom and Therefore Non-cancellable and Non-returnable

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<td>Fig 190</td>
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A | B | C | D | E | Strut Profile
---|---|---|---|---|---
*00 | No Engagement Mark | Width (Inches) | Drop Length (Inches) | *01 | 3/8” ATR  
*01 | PRRP3812 Engagement Mark | | | *02 | 1/2” ATR  
*02 | PRSDI3812 Engagement Mark | | | *25 | Other  
*25 | Other Anchor-Please Specify | | | | |

Footnotes:
1) Solid strut without holes is used for trapezes.
2) “C” Dimension is measured from the bottom of structure to the top of the trapeze. The engagement length into the Push Rod does not need to be accounted for.
3) Trapezes ordered with 3/8” and 1/2” ATR are built with 9/16” holes. Trapezes with 5/8” ATR are drilled out to accept rod.
Fig. 191 2-Tiered Pre-Fabricated Trapeze

- Grab the trapeze and Just Push It!!!
- Supports Pipe, Conduit and HVAC Duct
- Prefabricated trapezes save time and money
- No time wasted in the field with unnecessary assembly
- Refer to project building code to determine when seismic bracing is required
- Trapeze assembly capacities are all reviewed and confirmed by a Structural Engineer
- The Push Rod insert is Seismically Qualified for use in cracked concrete
- Trapeze assemblies can be manufactured in any configuration. Just send us the drawings.

Contractor:  
Project Name and Address:  
PO#  
Order Date:  
**All Orders are Custom and Therefore Non-cancellable and Non-returnable

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Footnotes:
1) Solid strut without holes is used for trapezes.
2) "C" Dimension is measured from the bottom of structure to the top of the trapeze. The engagement length into the Push Rod does not need to be accounted for.
3) Trapezas ordered with 3/8" and 1/2" ATR are built with 9/16" holes. Trapezas with 5/8" ATR are drilled out to accept rod.
Pre-Fabricated Single Clevis or J Hanger

- Grab the hanger and Just Push It!!
- Supports Pipe and Conduit
- Prefabricated hangers save time and money
- No time wasted in the field with unnecessary assembly
- Refer to project building code to determine when seismic bracing is required
- Assembly capacities are all reviewed and confirmed by a Structural Engineer
- The Push Rod insert is Seismically Qualified for use in cracked concrete

---

**Contractor:**

**Project Name and Address:**

**PO#**

**Order Date:**

**All Orders are Custom and Therefore Non-cancellable and Non-returnable**

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</table>

### Footnotes:

1) Reducing rod couplers are used where rod size does not equal anchor diameter
2) All J-Hangers are zinc coated
3) When ordering felt lined hangers for pipe sizes 3-1/2" or under, order the next largest size to allow for the thickness of the felt lining

Per the Uniform Plumbing Code and California Plumbing Code
- 1/2" thru 4" diameter pipe requires 3/8" all thread rod
- 5" thru 8" diameter pipe requires 1/2" all thread rod
- 10" thru 12" diameter pipe requires 5/8" all thread rod

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<td>*01</td>
<td>3/8&quot; ATR</td>
<td>*02</td>
<td>1/2&quot; ATR</td>
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<td>01</td>
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<tr>
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<td>*07</td>
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<tr>
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<td>J-Hanger</td>
<td>*09</td>
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<td>*13</td>
<td>8&quot;</td>
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</tbody>
</table>

Hanger Size | Min Rod Dia
----------|--------
*01 1/2" | 3/8"
*02 3/4" | 3/8"
*03 1" | 3/8"
*04 1-1/4" | 3/8"
*05 1-1/2" | 3/8"
*06 2" | 3/8"
*07 2-1/2" | 3/8"
*08 3" | 3/8"
*09 3-1/2" | 3/8"
*10 4" | 3/8"
*11 5" | 1/2"
*12 6" | 1/2"
*13 8" | 1/2"
*25 Other - Please Specify

For felted hangers add an "F" to the order option.
For Zinc coated clevis hangers add "Z" to the order option.
Example:
- 02 = 3/4" Hanger
- 02F = 3/4" Felted Hanger
- 02Z = 3/4" Zinc Coated Hanger
# Push Rod - PRPIP3812

## 3/8” and 1/2” Threaded Rod

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<th>Part Number</th>
<th>Description</th>
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<td>PRPIP Threaded Rod - 3/8” x 24”</td>
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<td>CEA-PRPIP3836</td>
<td>PRPIP Threaded Rod - 3/8” x 36”</td>
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<td></td>
<td>CEA-PRPIP3848</td>
<td>PRPIP Threaded Rod - 3/8” x 48”</td>
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<td></td>
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<td>PRPIP Threaded Rod - 3/8” x 60”</td>
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<td></td>
<td>CEA-PRPIP3872</td>
<td>PRPIP Threaded Rod - 3/8” x 72”</td>
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<td></td>
<td>CEA-PRPIP3884</td>
<td>PRPIP Threaded Rod - 3/8” x 84”</td>
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<td></td>
<td>CEA-PRPIP3896</td>
<td>PRPIP Threaded Rod - 3/8” x 96”</td>
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<td></td>
<td>CEA-PRPIP38108</td>
<td>PRPIP Threaded Rod - 3/8” x 108”</td>
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<td></td>
<td>CEA-PRPIP38118</td>
<td>PRPIP Threaded Rod - 3/8” x 118”</td>
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## 1/2” Threaded Rod with Engagement Markings for PRPIP3812

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# Push Rod - PRSDI3812

## 3/8” and 1/2” Threaded Rod

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## 1/2” Threaded Rod with Engagement Markings for PRSDI3812

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**Custom Threaded Rod Lengths**

- CEA-PRPIP
- CEA-PRSDIR

**Contractor:**


**Project Name and Address:**


**PO#**


**Order Date:**


**All Orders are Custom and Therefore Non-cancellable and Non-returnable**
Installation tools and accessories for Push Rods and Blue Banger Hangers.

- Save labor and Reduces Back Strain

ID Tabs for Push Rods and Blue Banger Hangers - Easily ID different trades or systems

- Saves time
- Quick installation
- Multiple colors available
- Eliminates confusion between multiple systems and trades
- Labels can be adhered or notes with a marker
- Provides easy identification from the ground
Just Push It!!!

**PUSH ROD HANGER**

The Original Blue Banger Hanger Deck Insert Just Got Even Better

**Saves Labor**
Just Push Rod to Engage
(No Turn Threading)

**No Installer Error**
Patented Engagement Markings
Ensures that Rods are Installed Correctly

**Multiple Rod Sizes**
Fits both 3/8” and
1/2” Threaded Rod

www.ISATsb.com  (877) 523-ISAT  (877) 523-6060

A Division of Tomarco Contractor Specialties