

CONNECT AND PROTECT

nVent CADDY Rod Lock Spring Steel

Fixing and Fastening Solutions

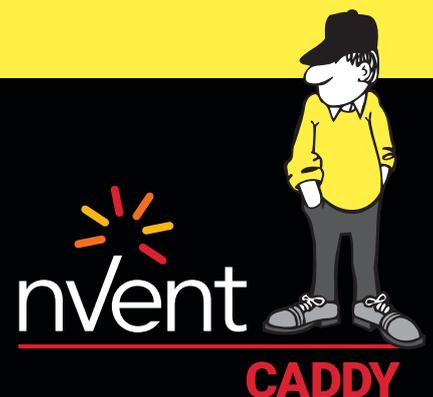


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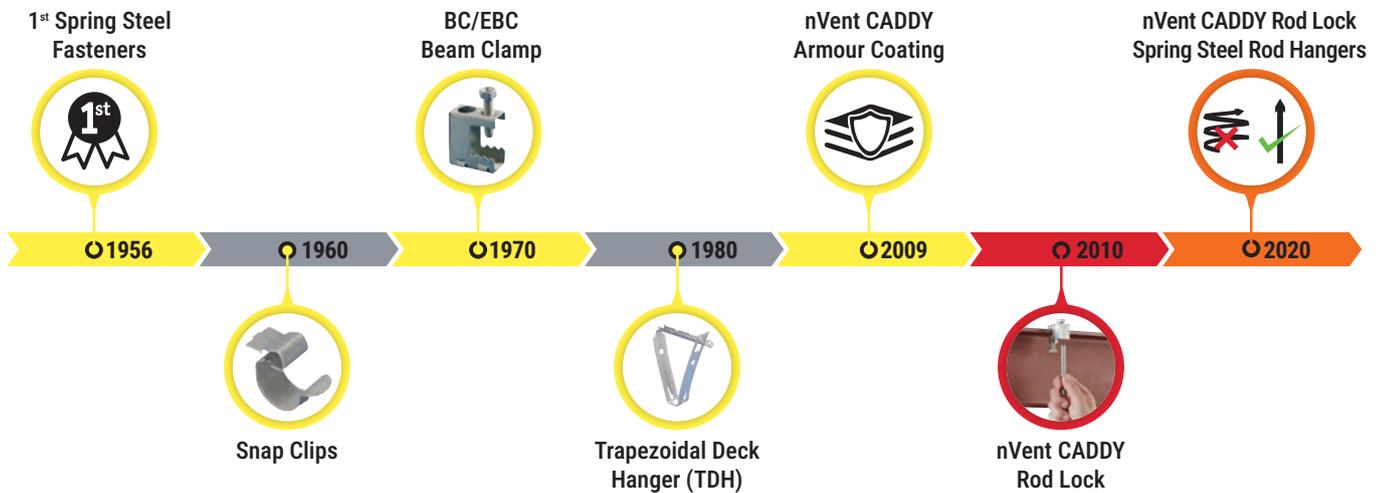
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Introduction

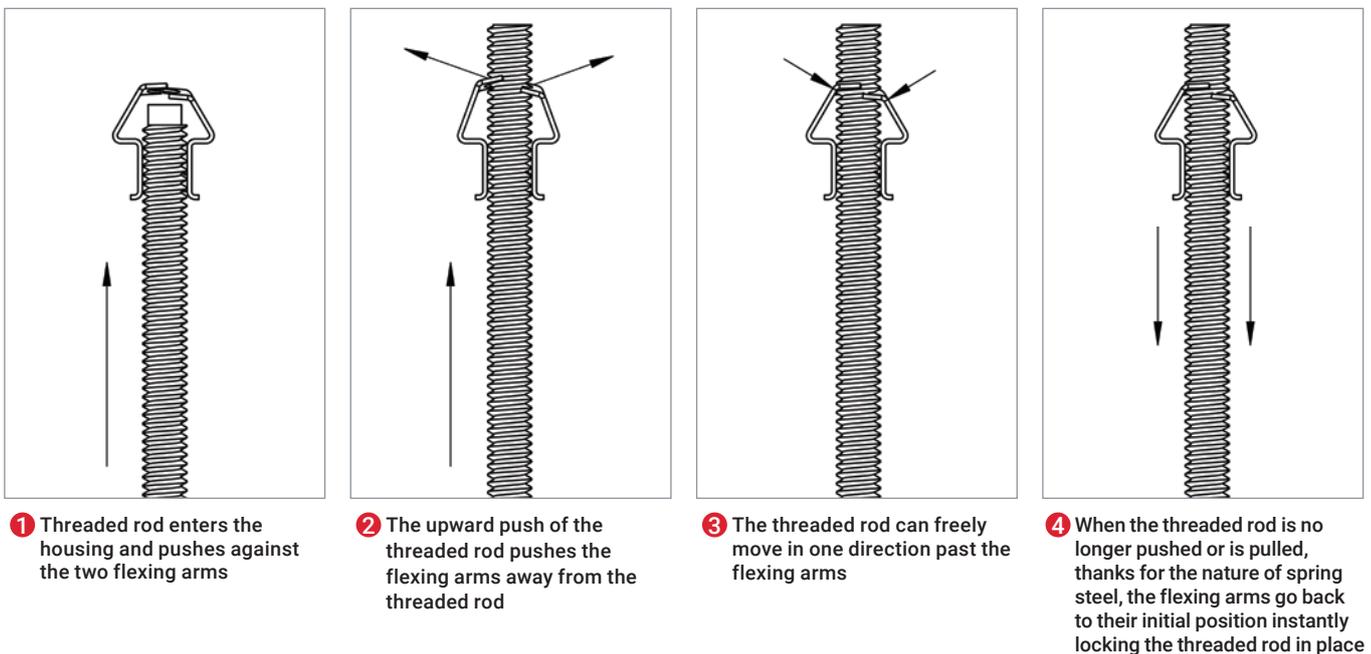
Since 1956, nVent CADDY is a trusted industry leader of premium fixing and fastening solutions that improve overall efficiency for electrical/datacom and HVAC contractors. With over 60 years of industry experience in designing and manufacturing spring steel fasteners, nVent CADDY is now introducing the patented “push-to-install” Rod Lock technology for threaded rods of single and multiple rods applications.



Fasteners Timeline



How Does it Work



nVent CADDY Armour Coating

Unlike most manufacturers of spring steel, nVent CADDY spring steel products are all stamped, heat treated and coated with **nVent CADDY Armour** in-house, where we can control all aspects of the process and focus on the quality output so customers get the best solution for the job.

The latest nVent CADDY innovation in coating technology; a three-layer coating system that is RoHS (Restriction of Hazardous Substances Directive) compliant.



- Steel substrate
- The first layer is a surface preparation of the steel fastener. It is a chemically bonded layer that improves coating adhesion.
- The second layer is a base coat. It is formulated to self-heal from scratches and sacrifice itself to protect the fastener.
- The third layer is a topcoat that provides added barrier protection.

Comparative Test Results

To demonstrate the superior corrosion protection, our engineers subjected Armour and our competition to the same rigorous testing. To best simulate actual application conditions, we conducted comparative product testing* at an outside certified laboratory. Cyclic corrosion testing, developed by the automotive industry to simulate conditions over a period of time, and salt-spray testing were conducted to assess coating performance. Fasteners were tested under installed condition to best simulate job site application conditions.

The photos below demonstrate product performance after 1,000 hours of salt-spray testing:



* Salt-spray testing test method: ASTM B117 / DIN 50021; Cyclic corrosion test method: GM 9540P. See <https://www.nvent.com/our-brands/CADDY> for the terms of the Armour 10-year limited warranty.

nVent CADDY Rod Lock Spring Steel Rod Hangers

FAST

EASY

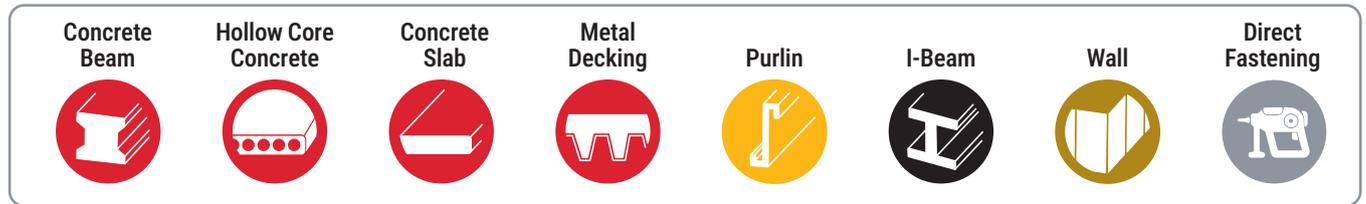
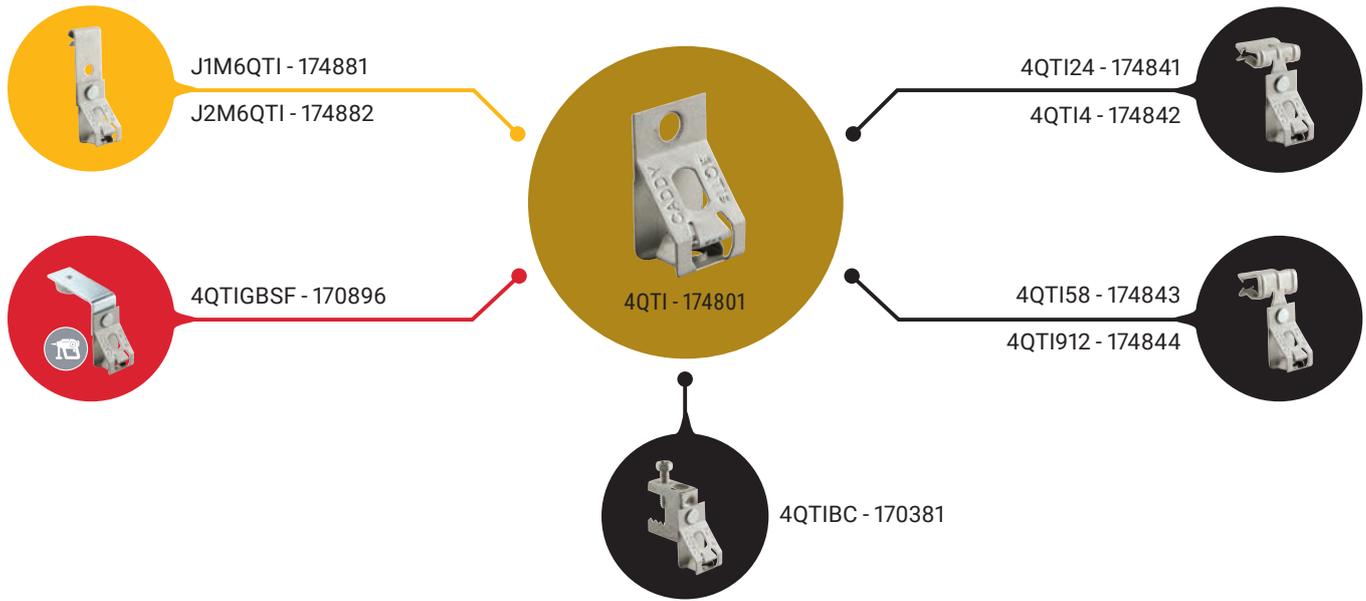
SAFE

nVent CADDY

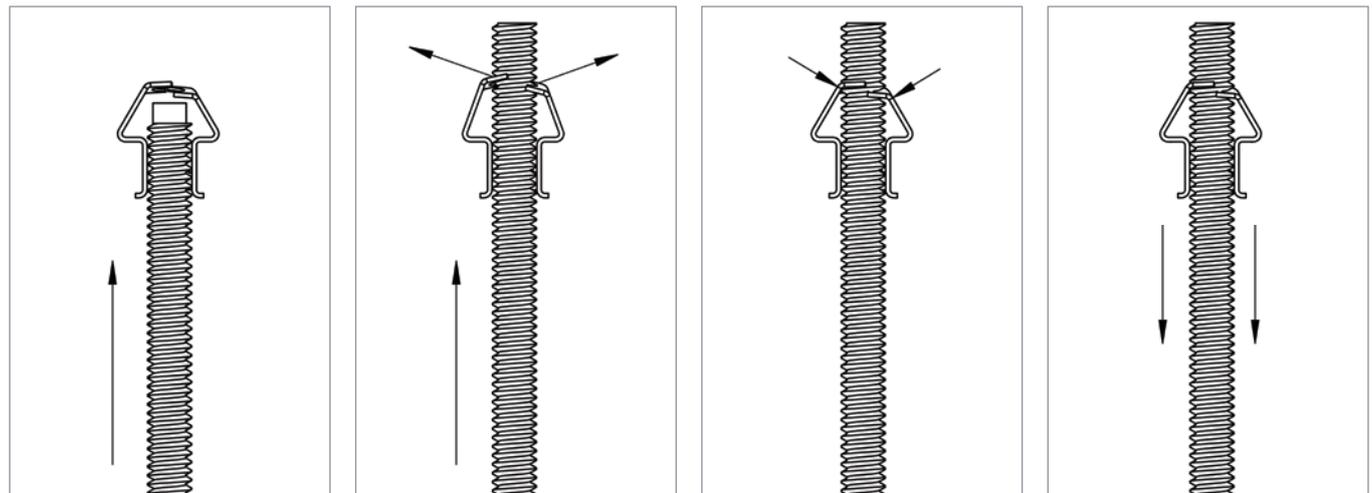
The image consists of three panels on a yellow background. The first panel, labeled 'FAST', shows a red clock icon with a slash, a silver hanger, and a red 'X' over a curved arrow indicating a slow process, with a green checkmark and an upward arrow indicating a fast process. The second panel, labeled 'EASY', shows a red icon of crossed wrench and screwdriver, a hanger being inserted into a rod, and upward and downward arrows. The third panel, labeled 'SAFE', shows a red icon of a hard hat and safety glasses, a hanger on a rod, and the nVent CADDY logo with a cartoon character.



nVent CADDY Rod Lock Spring Steel Rod Hangers



Installation Steps



nVent CADDY Rod Lock Spring Steel Rod Hangers

Features Guide

SAFETY FEATURES

Spring steel material for higher strength and durability

Safety factor of 3:1 on static load

Compliant with UL 2239 – Hardware for the support of conduit, tubing and cable

nVent CADDY Armour Coating carries a 10-year warranty against corrosion

The nVent standard for nVent CADDY Armour includes at least 1,000 hours resistance against red rust when tested per the ASTM B117 / EN ISO 9227 salt spray tests

nVent CADDY Armour finish is RoHS & REACH Compliant

FASTER INSTALL FEATURES

Patented nVent CADDY Rod Lock “push-to-install” technology making the installation of prefabricated light-duty trapezes or even single-rod application even faster

Fine-tuning of the installation height can be done by spinning the threaded rod

EASE OF USE FEATURES

Can be fixed on a wall using an anchor screw or available pre-riveted to a variety of nVent CADDY Fasteners

Release mechanism allowing quick removal of the threaded rod using a pair of pliers

Works with M6 threaded rod

Works with slightly damaged threaded rod ends and minor burrs



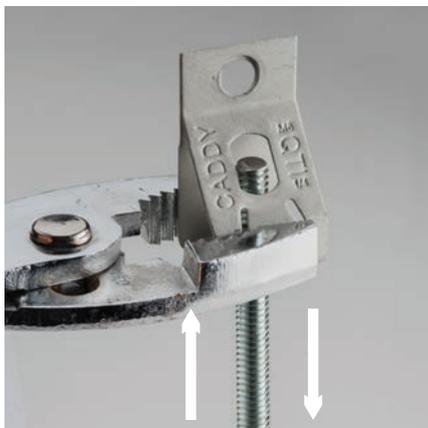
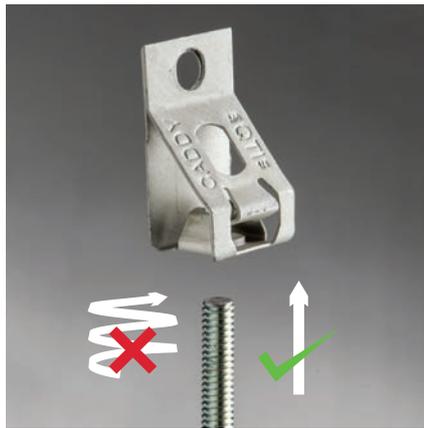
The color of the line corresponds to the larger goal of each feature:

SAFETY FEATURES

FASTER INSTALL FEATURES

EASE OF USE FEATURES

nVent CADDY Rod Lock Spring Steel Rod Hanger

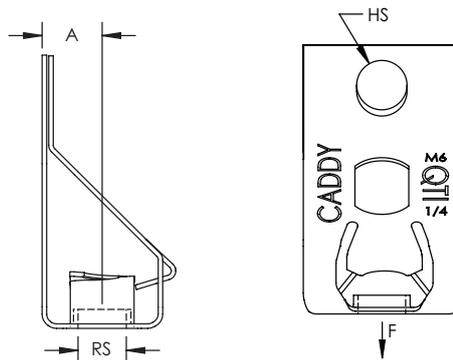


FEATURES

- Supports rod from block or concrete walls
- Easy “push-to-install” design allows installers to simply push the threaded rod through the mounting hole, instantly holding it in position
- Prefabricated assemblies easily lift and lock into place, helping to save time and money
- Works with slightly damaged threads and minor burrs on threaded rod ends
- Design includes a release mechanism that works with pliers

Material: Spring Steel
Finish: nVent CADDY Armour

Part Number	Article Number	Rod Size RS	Hole Size HS	A	Static Load F
4QTI	174801	M6	7.1 mm	8.4 mm	300 N



nVent CADDY Rod Lock Spring Steel Rod Hanger to Flange Clip

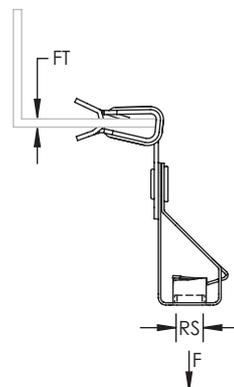


FEATURES

- Suspends threaded rod from beam flanges
- Threaded rod hanger can swivel to provide a vertical dropdown
- Requires only a hammer to install
- Easy "push-to-install" design allows installers to simply push the threaded rod through the mounting hole, instantly holding it in position
- Prefabricated assemblies easily lift and lock into place, helping to save time and money
- Works with slightly damaged threads and minor burrs on threaded rod ends
- Design includes a release mechanism that works with pliers

Material: Spring Steel
Finish: nVent CADDY Armour

Part Number	Article Number	Rod Size RS	Flange Thickness FT	Static Load F
4QT14	174842	M6	2 – 3 mm	300 N
4QT124	174841	M6	3 – 8 mm	300 N
4QT158	174843	M6	8 – 14 mm	300 N
4QT1912	174844	M6	14 – 20 mm	300 N



nVent CADDY Rod Lock Spring Steel Rod Hanger to Beam Clamp

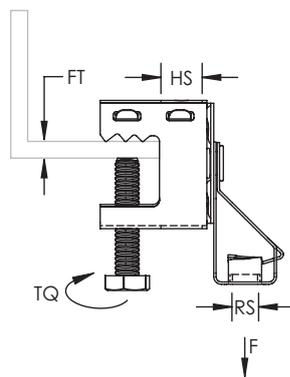


FEATURES

- Suspends threaded rod from beam flanges
- Threaded rod hanger can swivel to provide a vertical dropdown
- Easy "push-to-install" design allows installers to simply push the threaded rod through the mounting hole, instantly holding it in position
- Prefabricated assemblies easily lift and lock into place, helping to save time and money
- Works with slightly damaged threads and minor burrs on threaded rod ends
- Design includes a release mechanism that works with pliers

Material: Spring Steel
Finish: nVent CADDY Armour

Part Number	Article Number	Rod Size RS	Flange Thickness FT	Hole Size HS	Torque TQ	Static Load F
4QTIBC	170381	M6	16 mm Max	11 mm	3 N-m	300 N



nVent CADDY Rod Lock Spring Steel Rod Hanger with Nail Gun Bracket



FEATURES

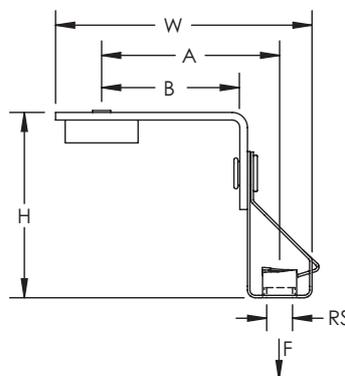
- Suspends threaded rod without the need for additional hardware
- Complete with concrete nail gun insert bracket
- Clips onto nozzle of gas or battery-actuated nail guns allowing for hands-off installation at structure or from the floor using a pole
- Longer leg angle bracket for tool clearance
- Quickly and easily attaches to concrete, steel or composite metal decking
- Easy "push-to-install" design allows installers to simply push the threaded rod through the mounting hole, instantly holding it in position
- Prefabricated assemblies easily lift and lock into place, helping to save time and money
- Works with slightly damaged threads and minor burrs on threaded rod ends
- Design includes a release mechanism that works with pliers

Material: Spring Steel; Steel; Nylon
Finish: nVent CADDY Armour; Electrogalvanized

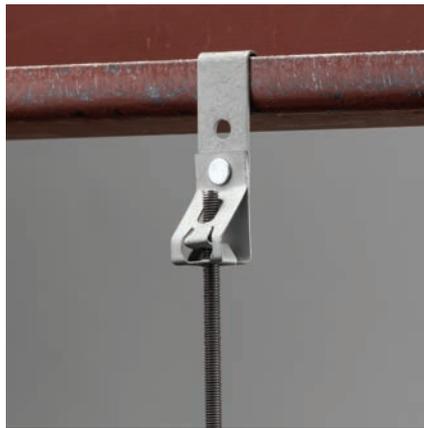
Part Number	Article Number	Rod Size RS	Height H	Width W	A	B	Static Load F
4QTIGBSF	170896	M6	48.7 mm	66.8 mm	46.4 mm	36 mm	300 N

Static Load represents the static load of the nail gun insert assembly. Please consult with the nail manufacturer to evaluate the static load of the nail and type of concrete used for the installation. Maximum load is the lesser of the static load from the nail manufacturer or the published load for the assembly.

Nail gun insert is compatible with BeA® CN60-688ES, Hilti® BX 3, GX 3, DEWALT® Trak-It C3, SPIT® PULSA 800E, 700, 1000 or equivalent nailers.



nVent CADDY Rod Lock Spring Steel Rod Hanger to C Purlin Clip

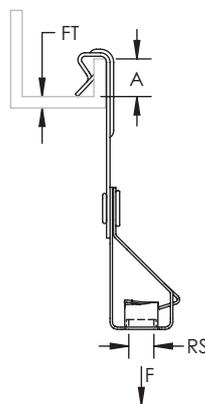


FEATURES

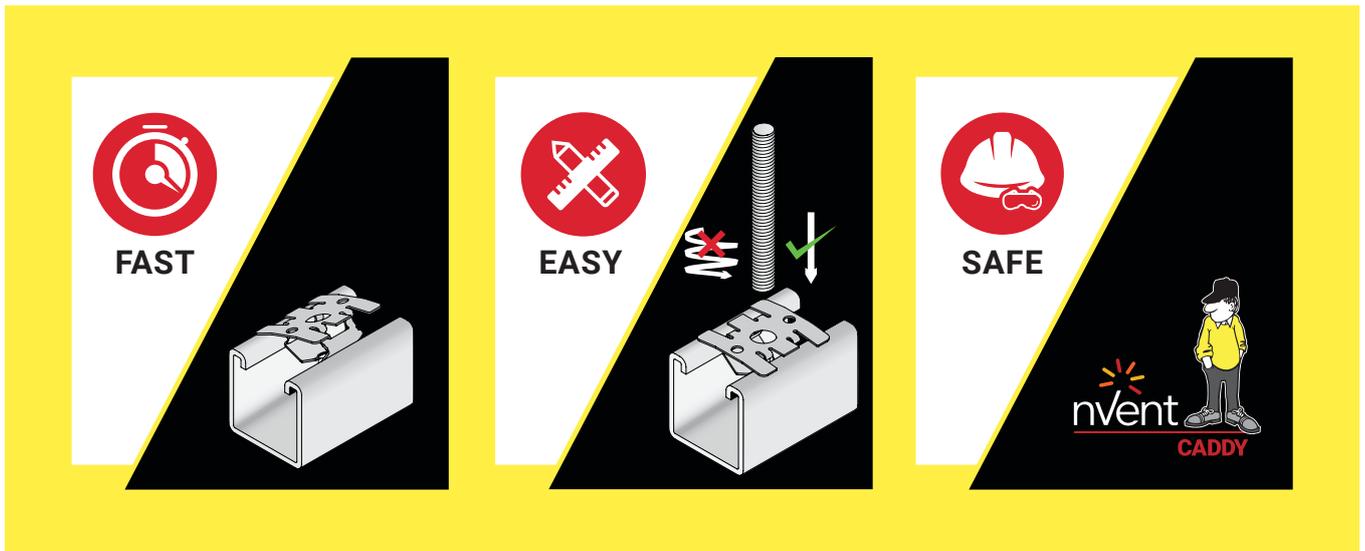
- Attaches to joists and C purlin
- Supports threaded rod
- Threaded rod hanger can swivel to provide a vertical dropdown
- Easy "push-to-install" design allows installers to simply push the threaded rod through the mounting hole, instantly holding it in position
- Prefabricated assemblies easily lift and lock into place, helping to save time and money
- Works with slightly damaged threads and minor burrs on threaded rod ends
- Design includes a release mechanism that works with pliers

Material: Spring Steel
Finish: nVent CADDY Armour

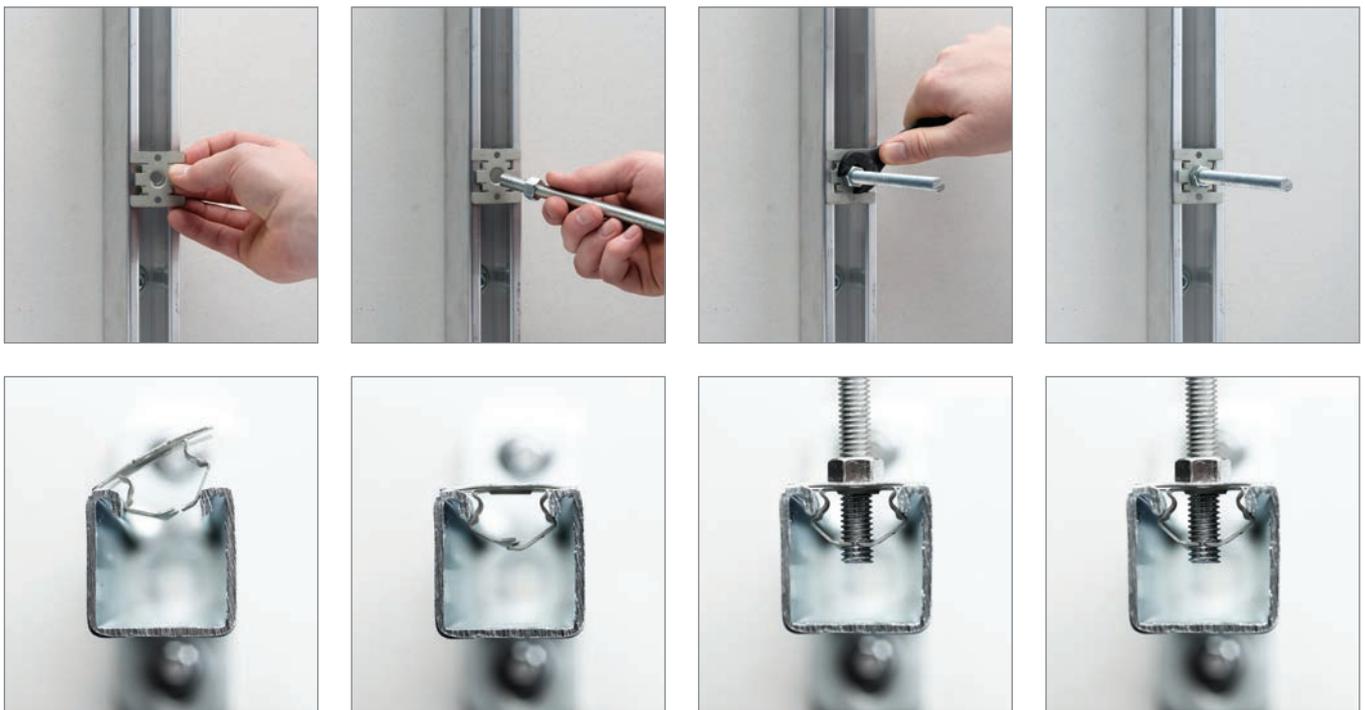
Part Number	Article Number	Rod Size RS	Flange Thickness FT	A	Static Load F
J1M6QTI	174881	M6	1.5 – 4.0 mm	10 mm Max	300 N
J2M6QTI	174882	M6	4.0 – 6.5 mm	10 mm Max	300 N



nVent CADDY Quick Channel Nut



Installation Steps



nVent CADDY Quick Channel Nut

Features Guide

SAFETY FEATURES

Spring steel material for higher strength and durability

Safety factor of 3:1 on static load

Compliant with UL 2239 – Hardware for the support of conduit, tubing and cable

nVent CADDY Armour Coating carries a 10-year warranty against corrosion

The nVent standard for nVent CADDY Armour includes at least 1,000 hours resistance against red rust when tested per the ASTM B117 / EN ISO 9227 salt spray tests

nVent CADDY Armour finish is RoHS & REACH Compliant

No need to put fingers into strut

Flared edges grip strut return-lip after tightening fastener

Nut clamps tight on thread when load is applied and wedge outward to securely engage strut

Unique thread engages deeper than a typical thread or thread impression

FASTER INSTALL FEATURES

Based on the patented nVent CADDY Rod Lock “push-to-install” technology, this unique Channel Nut makes the installation of prefabricated light-duty trapezes or even single-rod application even faster

Fine-tuning of the installation height / final tightening of the installation can be done by spinning the threaded rod / bolt

Snap-to-Strut Channel

- No coil spring to fight with
- No need to put fingers into strut

EASE OF USE FEATURES

Works with slightly damaged threaded rod ends and minor burrs

Integrated washer with spring tabs holding QCN in position during installation and eliminating loose hardware / square washer

Spring Steel design allows nut to adjust to imperfect strut

Works with both imperial and metric threads of similar sizes:

- ¼" & M6
- 5/16" & M8
- 3/8" & M10
- ½" & M12

Extrusion guides threaded fastener into nut and thread arms without binding

Stampings on the part for simplicity:

- Threaded rod sizes
- Arrow indicates the side to hook first

Can be used in different configurations:

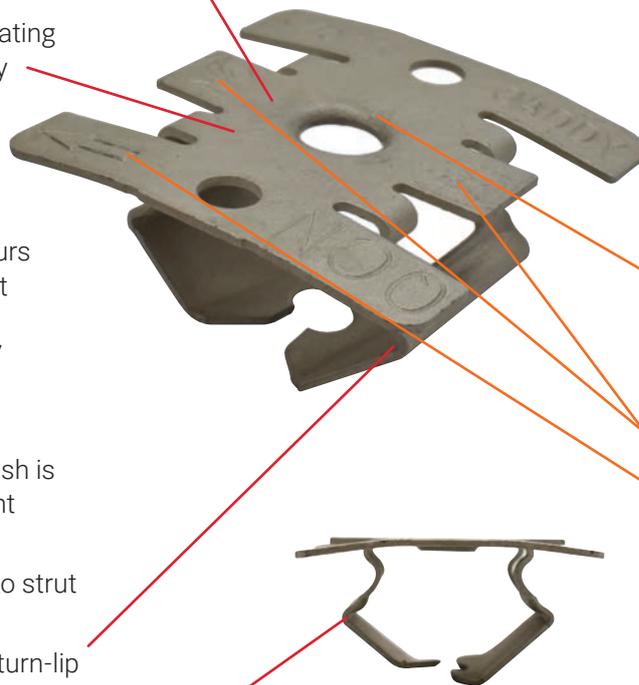
- Wall-mount applications
- Ceiling-mount applications
- Trapeze applications

The color of the line corresponds to the larger goal of each feature:

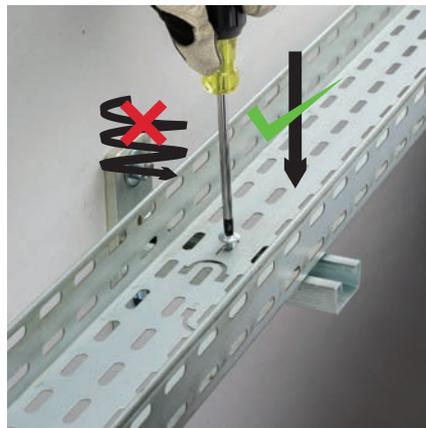
SAFETY FEATURES

FASTER INSTALL FEATURES

EASE OF USE FEATURES



nVent CADDY Rod Lock Spring Steel Strut Nut

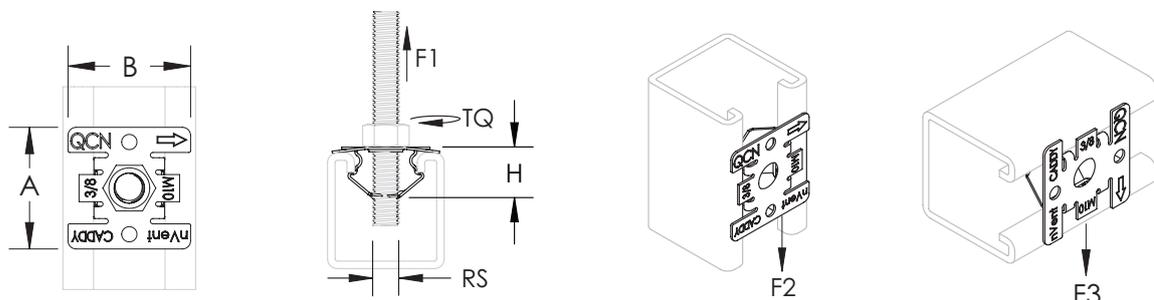


FEATURES

- Easy "push-to-install" design allows installers to simply push the threaded rod through the mounting hole, instantly holding it in position
- Works with slightly damaged threads and minor burrs on the threaded rod
- Perfect for quickly installing branch runs either at the load with standard strut or at the structure in combination with embedded strut
- Integrated design eliminates the need for finicky spring nuts and loose hardware, simplifying install
- Quickly wall mount enclosures using common threaded bolts
- Designed for use with standard strut widths (1 5/8" or 41 mm) both shallow and deep profiles

Material: Spring Steel
Finish: nVent CADDY Armour

Part Number	Article Number	Rod Size RS	Height H	A	B	Static Load 1 F1	Static Load 2 F2	Static Load 3 F3	Torque TQ
4QCN	593000	M6	19 mm	38 mm	38 mm	325 N	90 N	130 N	1.13 N-m
5QCN	593001	M8	19 mm	38 mm	38 mm	450 N	110 N	225 N	1.50 N-m
6QCN	593002	M10	19 mm	38 mm	38 mm	475 N	130 N	225 N	2.50 N-m
8QCN	593003	M12	18 mm	38 mm	38 mm	550 N	130 N	225 N	2.75 N-m



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