

CableArt.com
877.664.4224

CAI
Cable Art Incorporated

Barrier
Cable
System



- Bare and Encapsulated Barrel Anchors
- In-Line Fixed-End Anchorage
- In-Line Stressing-End Anchorage
- Tensioning Couplers
- Grabb-It® Rail Assembly
- Grabb-It® Double Ferrule Loop Insert
- Grabb-It® Splice
- Grabb-It® Tensioners
- Grabb-It® Non-Tensioners
- Grabb-It® Anchor Caps
- Vehicle Barrier Cable
- CAI Barrier Swage Stud

0.5" Barrier Cable System

CAI offers the most advanced **Barrier Cable System** available. It is the first and only system that enables the use of encapsulations and shop prefabrication, giving our customers the freedom to work in the most effective manner possible.

The **Barrier Cable System** provides standard or encapsulated coated barrel anchors, a barrier cable system that can be contained within a column or exposed on the column's exterior, and a fully enclosed intermediate tension coupler when barrier strand ends are inaccessible.

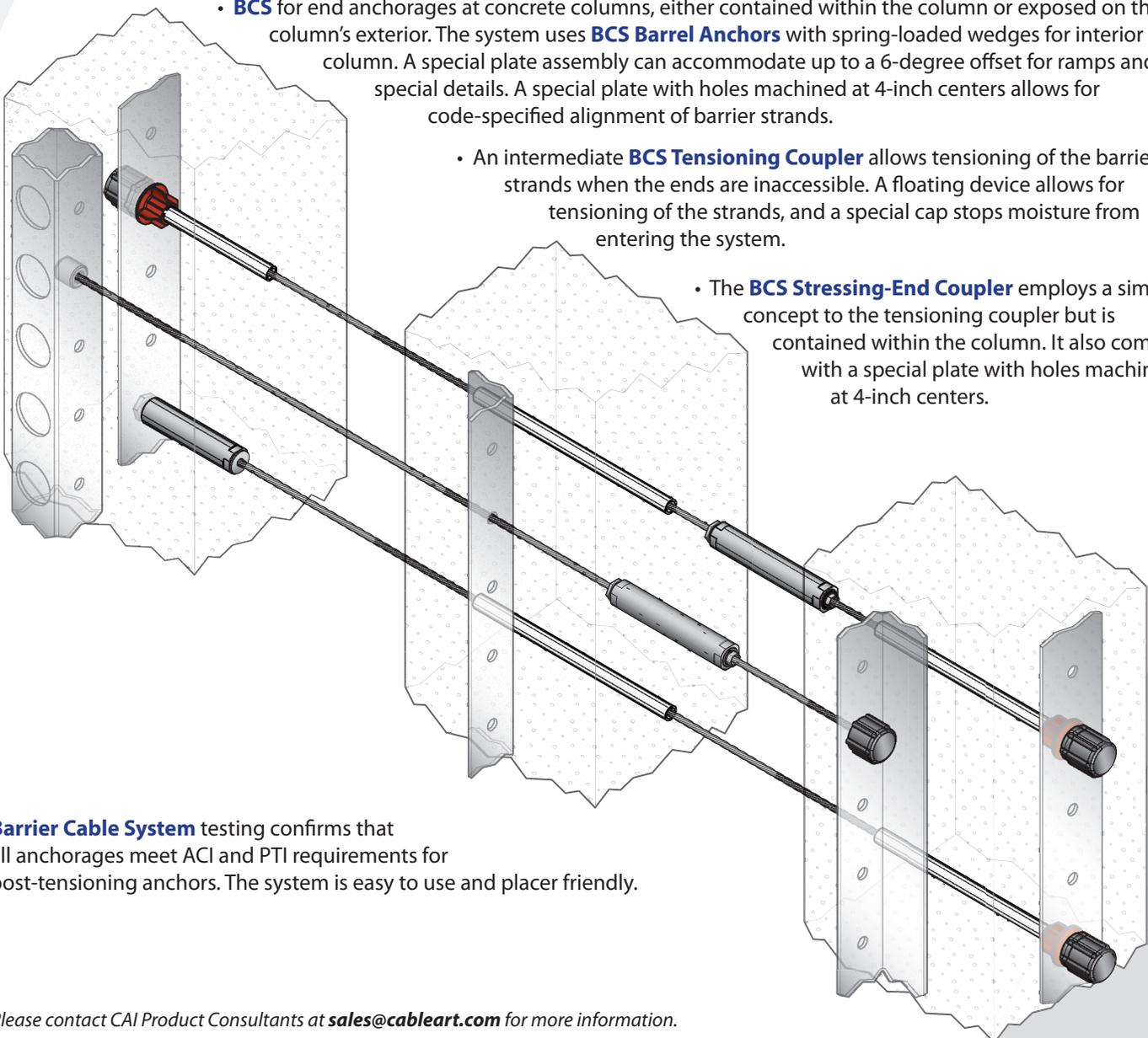
The **Barrier Cable System** can be used through a column or external to the column, and consists of the following anchorages, allowing a complete barrier cable system with a variety of optional anchorage configurations:

- **BCS Barrel Anchors** and **BCS Wedges** that can be exposed or encapsulated and are zinc-coated. Encapsulation caps come in concrete- gray color — custom cap colors are available by special order.

- **BCS** for end anchorages at concrete columns, either contained within the column or exposed on the column's exterior. The system uses **BCS Barrel Anchors** with spring-loaded wedges for interior of column. A special plate assembly can accommodate up to a 6-degree offset for ramps and special details. A special plate with holes machined at 4-inch centers allows for code-specified alignment of barrier strands.

- An intermediate **BCS Tensioning Coupler** allows tensioning of the barrier strands when the ends are inaccessible. A floating device allows for tensioning of the strands, and a special cap stops moisture from entering the system.

- The **BCS Stressing-End Coupler** employs a similar concept to the tensioning coupler but is contained within the column. It also comes with a special plate with holes machined at 4-inch centers.



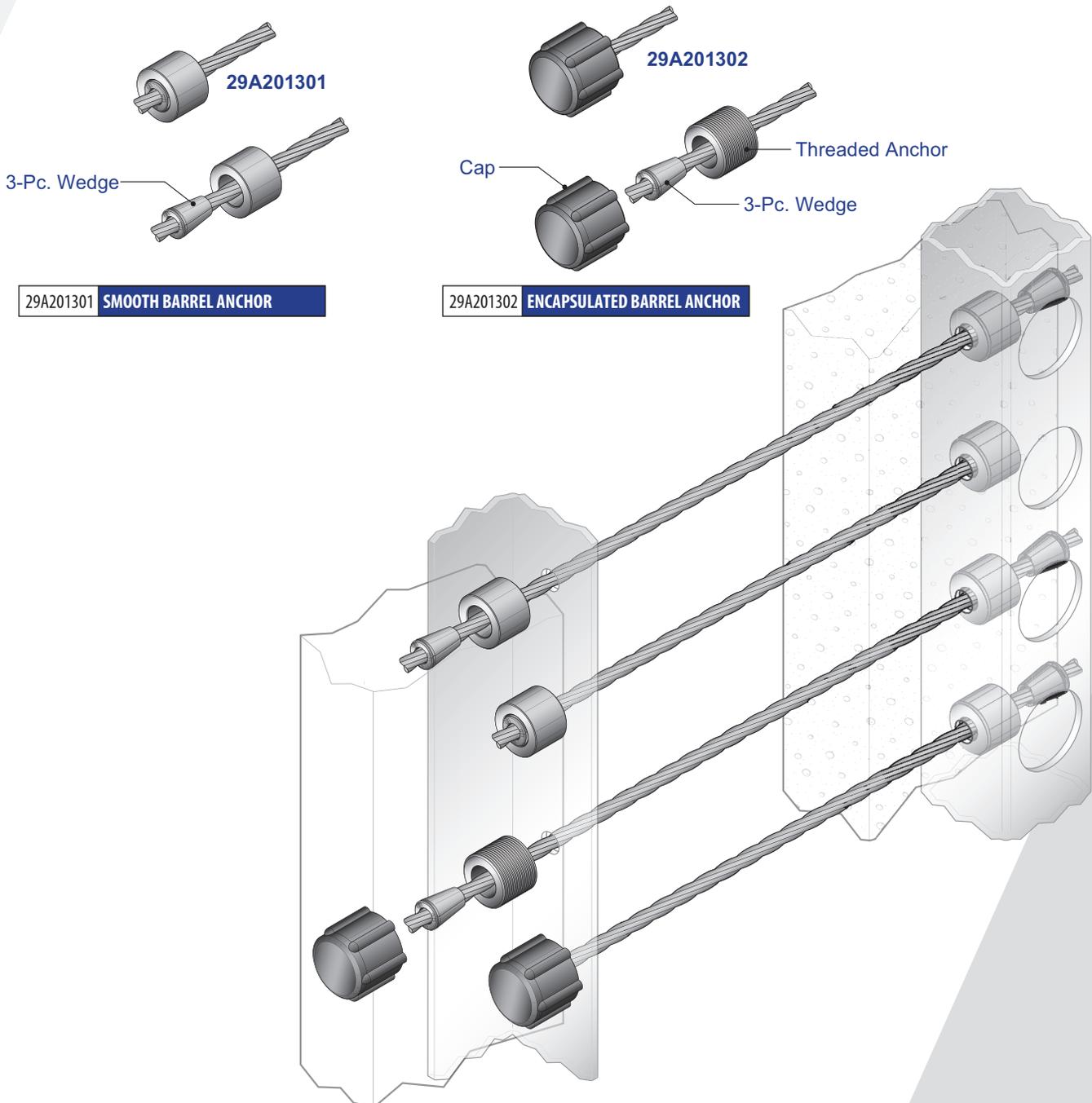
Barrier Cable System testing confirms that all anchorages meet ACI and PTI requirements for post-tensioning anchors. The system is easy to use and placer friendly.

Please contact CAI Product Consultants at sales@cableart.com for more information.

0.5" BCS Bare and Encapsulated Barrel Anchors

Fixed-end and stressing-end anchorages for barrier cables.

- Can be connected to an angle/tube steel that is attached to concrete column/wall.
- Can be connected to a plate or washer on the outside of a concrete column.
- Can be exposed or encapsulated - barrels and wedges are zinc plated.
- Encapsulation caps come in concrete gray - custom cap colors are available by special order.



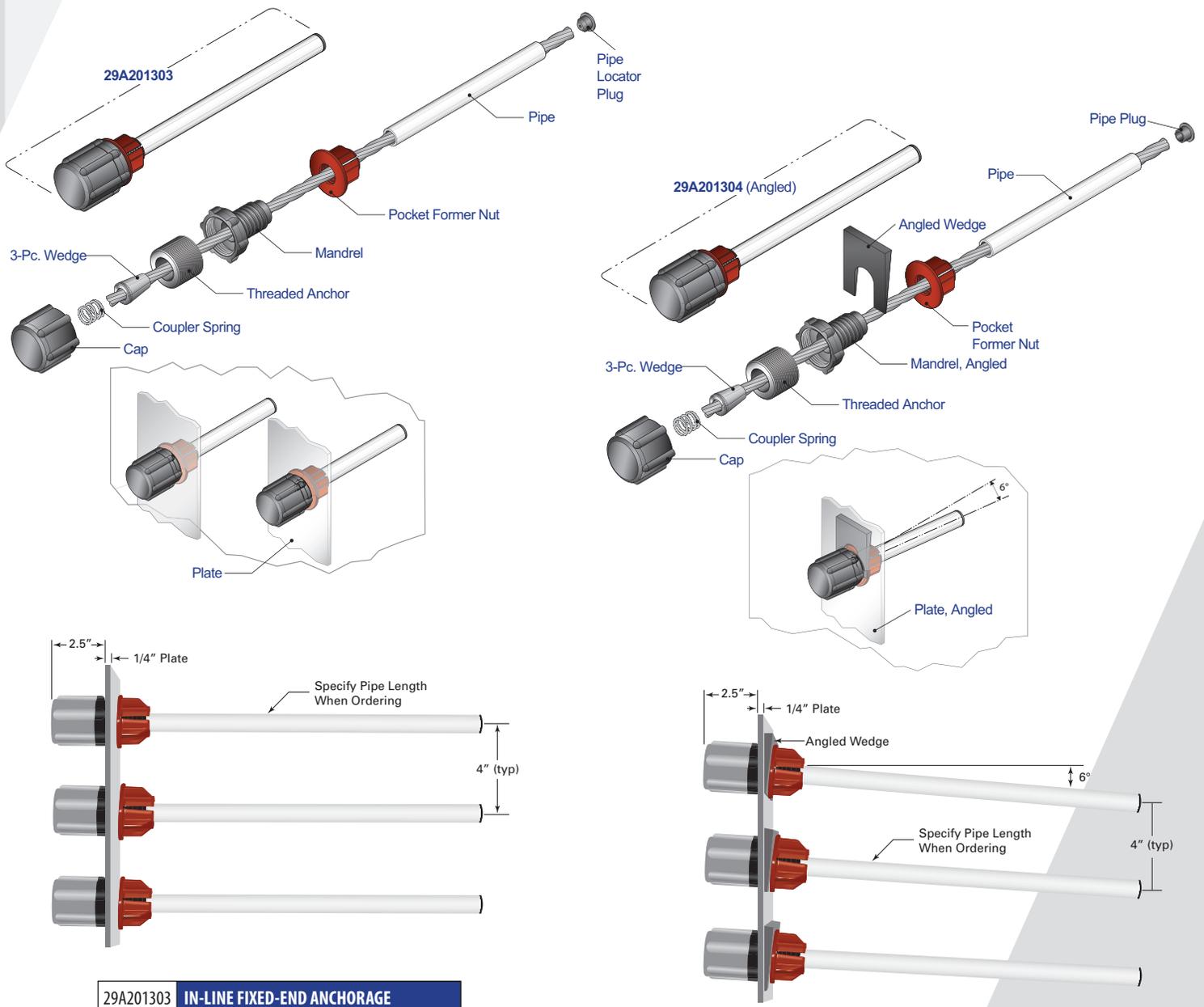
29A201301 SMOOTH BARREL ANCHOR

29A201302 ENCAPSULATED BARREL ANCHOR

0.5" BCS In-Line Fixed-End Anchorage

Fixed-end device for end anchorages at concrete columns/walls, either contained within the column/wall or exposed on the column's exterior.

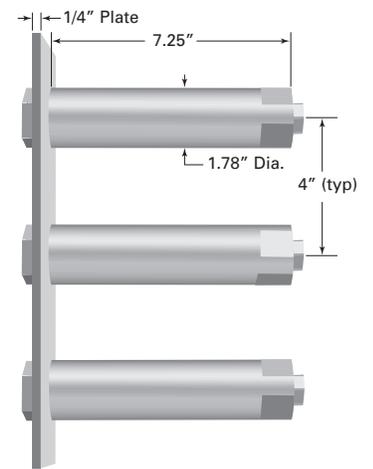
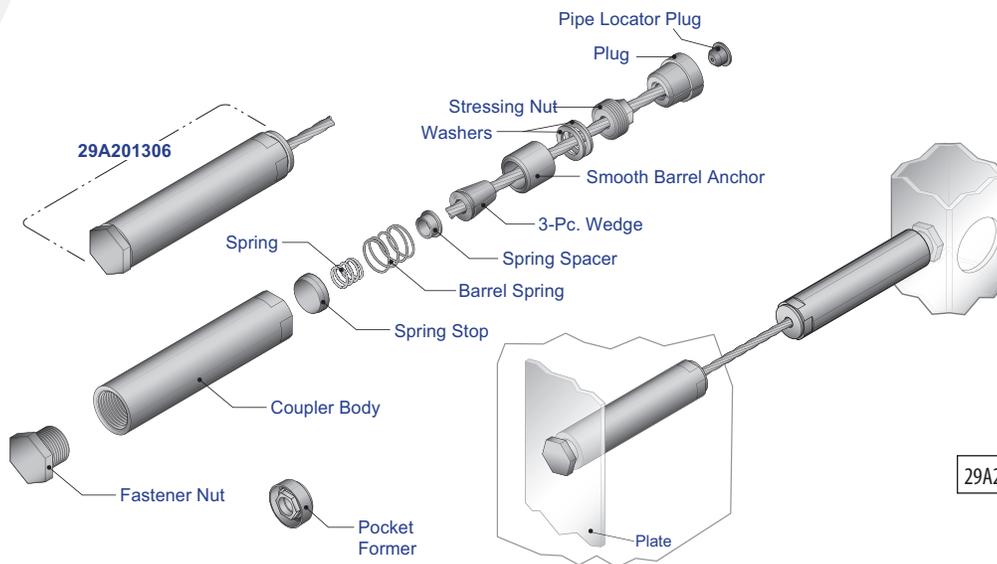
- The in-line assembly is complete with allowance for 11 barrier cables.
- Barrel anchors with spring-loaded wedges that are encapsulated.
- A special plate with holes machined at 4" centers allows for code specified alignment of barrier cables.
- A special angled assembly is available for ramps and special details that can accommodate up to a 6-degree offset.



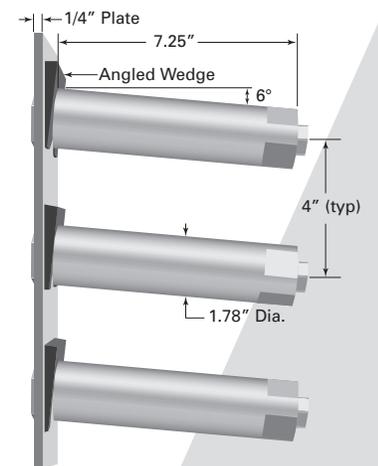
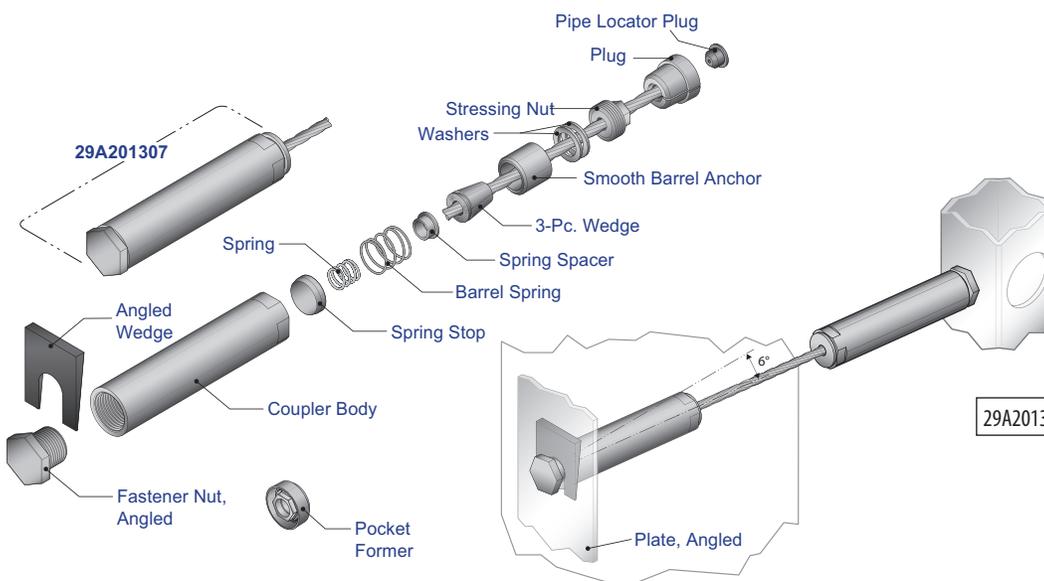
0.5" BCS In-Line Stressing-End Anchorage

Stressing-end device for end anchorages contained within concrete columns/walls or attached to a steel member on the exterior of the column/wall that does not allow normal stressing.

- Coupler that allows tensioning of the barrier cables when ends are inaccessible.
- Coupler that removes the slack from the barrier cables when ends are inaccessible.
- The in-line assembly is complete with allowance for 11 barrier cables.
- A special plate with holes machined at 4" centers allows for code specified alignment of barrier cables.
- A special angled assembly is available for ramps and special details that can accommodate up to a 6-degree offset.



29A201306 IN-LINE STRESSING-END ANCHORAGE



29A201307 IN-LINE STRESSING-END ANCHORAGE - ANGLED

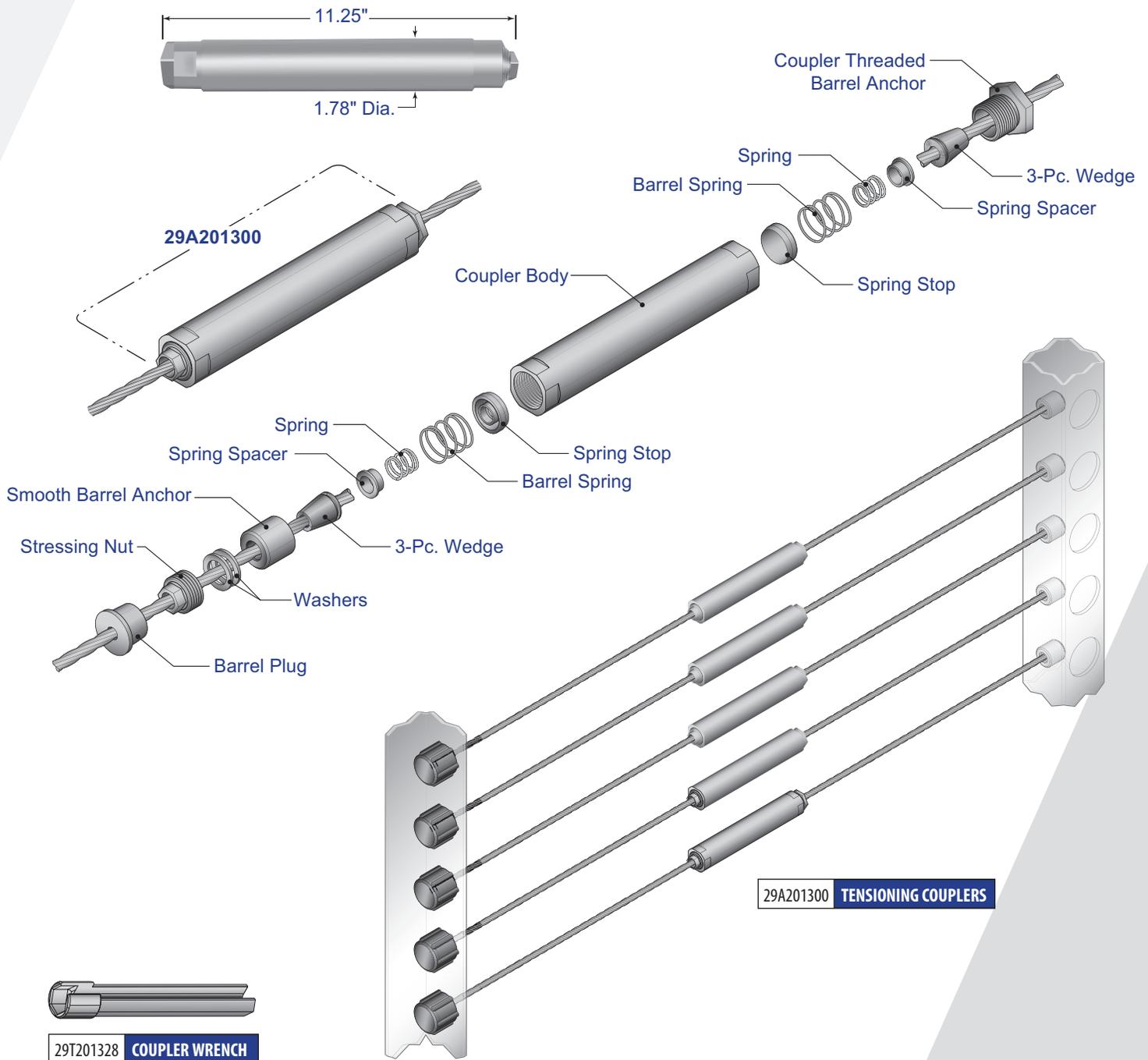


29T201328 COUPLER WRENCH

0.5" BCS Tensioning Couplers

Floating device designed to connect ends of two barrier strands together; thereby creating a continuous barrier cable between columns/support points.

- Coupler that removes the slack from the barrier cables when ends are inaccessible.
- Coupler that allows tensioning of the barrier cables when ends are inaccessible.



GRABB-IT® Barrier Cable Products

Barrier Cable Products

Cable Art barrier cable products are used in vehicle and pedestrian barriers, such as parking structures.

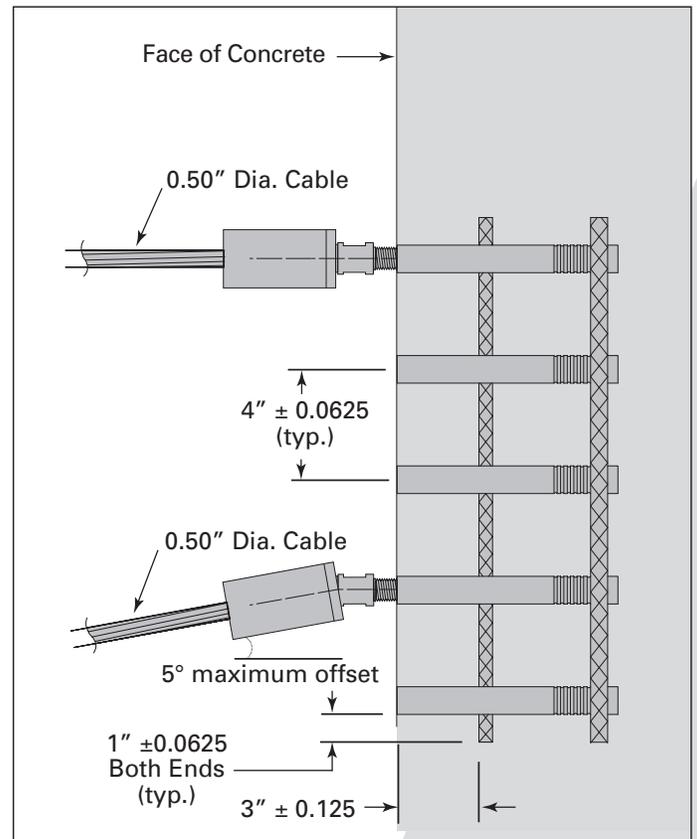
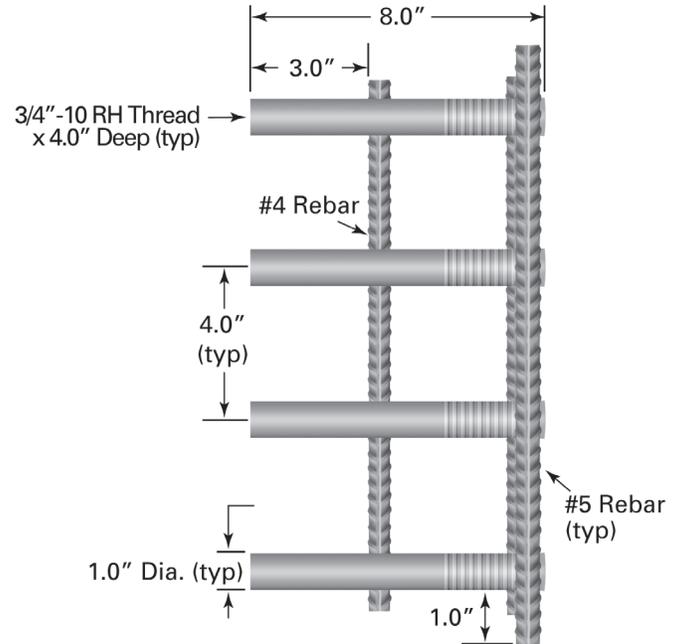
The **GRABB-IT®** product line reduces installation time significantly at sites. The standard products with preset spacing comply with industry coding, and custom solutions are also available.



GRABB-IT® Rail Assembly

Easy and precise, every time.

- Significantly reduced installation time.
- Patented product allows for easy and precise installation of barrier cable systems.
- Prefabricated GRABB-IT® termination points ensure proper cable placement.
- On standard rail products, standard spacing complies with code requirements.
- Can be customized to various configurations, number of termination points, spacing, and coatings.
- One size works for all cable strand sizes, provided the proper barrier cable products are used.



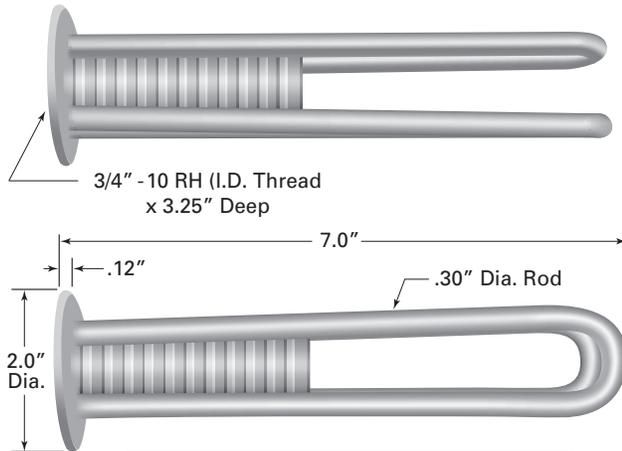
GRABB-IT® RAIL ASSEMBLY		
PART NO.	ITEM	TERMINATION POINTS
28A8616	GRABB-IT® RAIL ASSEMBLY - 4	4
28A8615	GRABB-IT® RAIL ASSEMBLY - 5	5
28A8614	GRABB-IT® RAIL ASSEMBLY - 6	6
28A8613	GRABB-IT® RAIL ASSEMBLY - 7	7
28A8611	GRABB-IT® RAIL ASSEMBLY - 8	8
28A8609	GRABB-IT® RAIL ASSEMBLY - 9	9
28A8608	GRABB-IT® RAIL ASSEMBLY - 10	10
28A8606	GRABB-IT® RAIL ASSEMBLY - 11	11

Products listed feature standard 4" spacings.

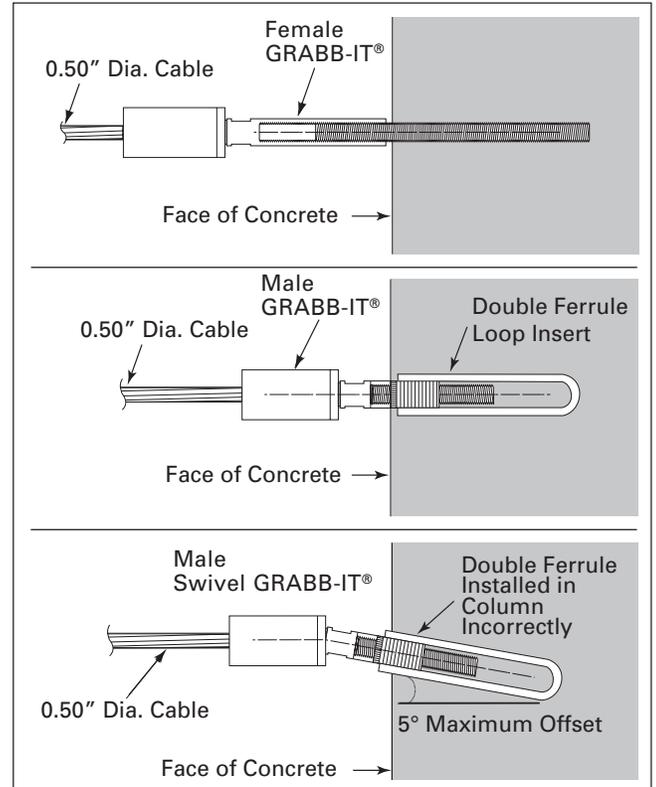
GRABB-IT® Double Ferrule Loop Insert

Simple, reliable and cost effective.

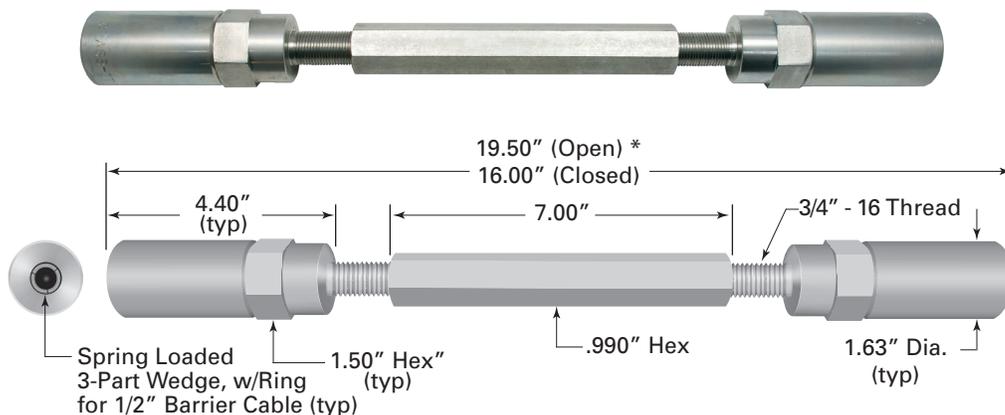
- Typically used in vehicle and pedestrian barriers such as in parking structures.
- Cable anchorage can be assembled prior to installation (with wedges fully seated).
- Double ferrule loop insert design allows easy installation.
- Swivel GRABB-IT® accommodates 5° offset from ramp inclines and incorrect ferrule installation.
- Neat appearance – no chipping or removal of concrete required.
- Easy maintenance and repair of damaged cable.
- Cost effective solution for installing or re-tensioning barrier cable.



28H7336 GRABB-IT® DOUBLE FERRULE LOOP INSERT



GRABB-IT® Splice



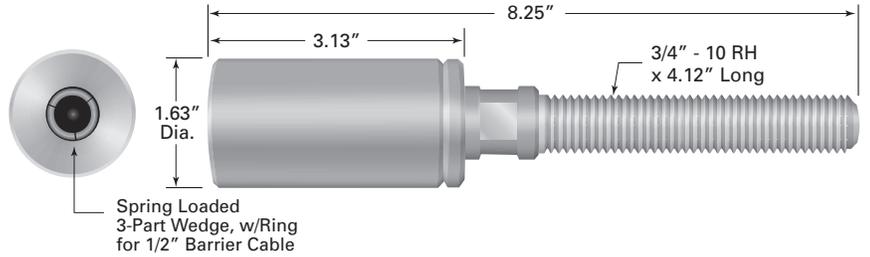
* This length is with 1.75" thread engagement, both ends.

28A8589 GRABB-IT® SPLICE

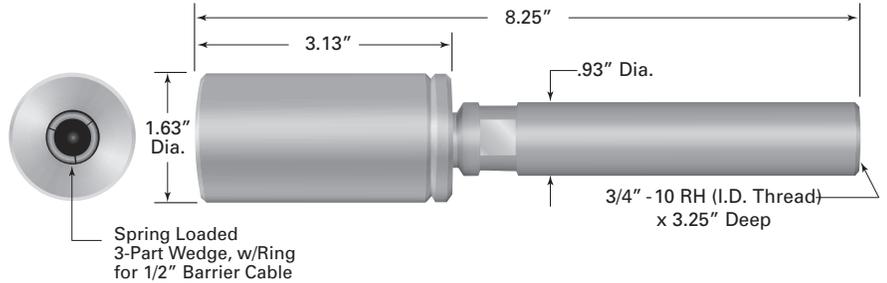
GRABB-IT® Tensioners



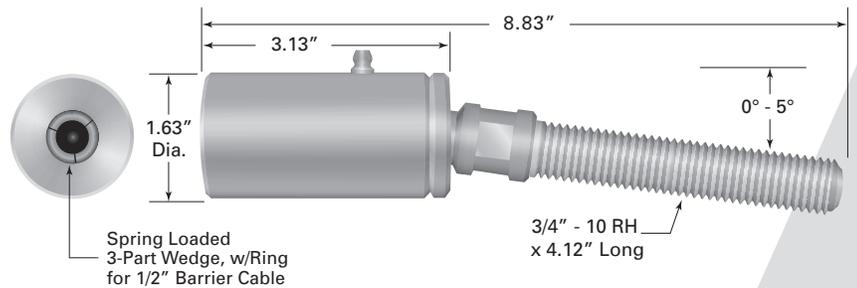
28A8459 GRABB-IT® MALE TENSIONER



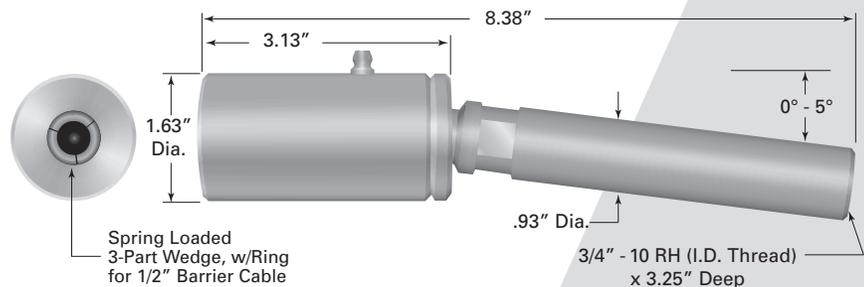
28A8463 GRABB-IT® FEMALE TENSIONER



28A8460 GRABB-IT® MALE SWIVEL TENSIONER



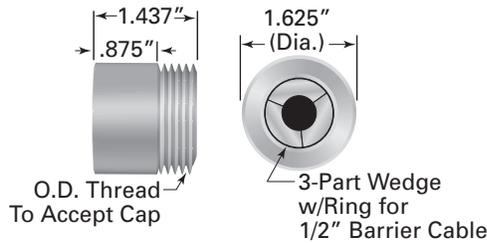
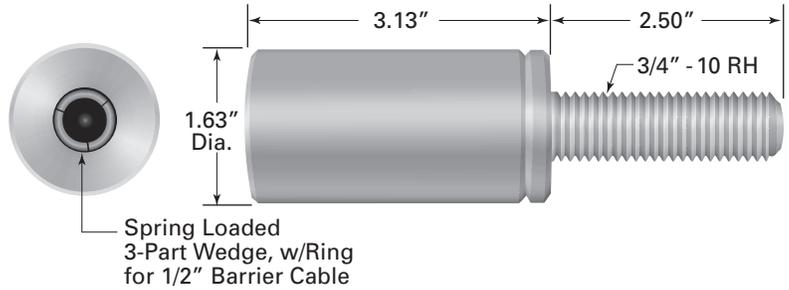
28A8462 GRABB-IT® FEMALE SWIVEL TENSIONER



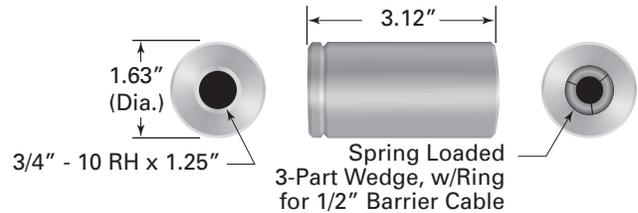
GRABB-IT® Non-Tensioners



28A10594 GRABB-IT® THREADED DEAD END NON-TENSIONER



28A8196 GRABB-IT® THREADED ANCHOR / NON-TENSIONER



28A8470 GRABB-IT® DEAD END NON-TENSIONER

GRABB-IT® Anchor Caps



28H6714 GALVANIZED ANCHOR CAP



28A11283 GRABB-IT® ANCHOR CAP

Cable by the Coil

CAI Cable

- 1/2" 1x7 Galvanized Vehicle Barrier Cable for Parking Structures

Specifications:

- ASTM A 416
- Grade 270K
- Low Relaxation
- Galvanization compliant to ASTM A 475 Class A

Engineering Data:

- Galvanized Strand: Grade 270 ASTM A 416
- Ultimate Strength: 41,300 lbs.
- Ultimate Elongation: 3.5%
- Nominal Area (sq. in): 0.153
- Elastic Modulus (ksi): 28,500



CAI Barrier Swage Stud

CAI Barrier Swage Studs are available with right- or left-handed threads.

CAI can factory swage studs on one end or both ends of the cable to final field lengths. Left-handed threads allow incorporation of turnbuckles if required.

50T162404G	CAI BARRIER SWAGE STUD / LEFT-HANDED
50T162405G	CAI BARRIER SWAGE STUD / RIGHT-HANDED

