



# CPI Shear Bolt WEJTAP™ with Captive Interface

Installation made easy with the interface  
integral to the C body



# CPI Shear Bolt WEJTAP™

## Two Become One

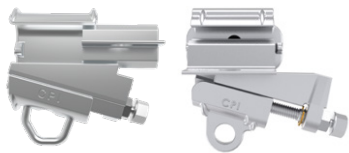
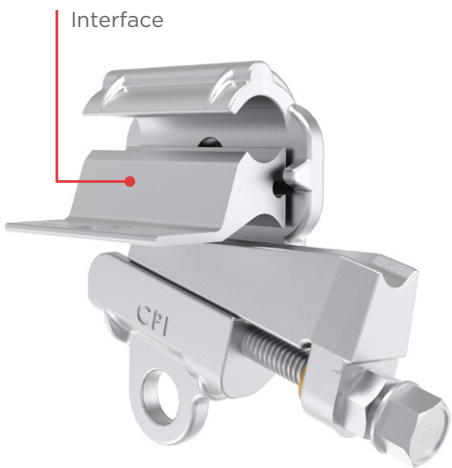
CPI Shear Bolt WEJTAP connectors are designed for use as a permanent connection for aluminum and copper conductors. These connectors provide the reliability and performance of fired on wedge connectors but without the need for specialized tooling and boosters. Just like fired on connectors, CPI Shear Bolt WEJTAP connectors utilize a “C” shape spring body and wedge to provide the mechanical leverage to attain that performance. A shear bolt develops force in the wedge and “breaks off” when the appropriate torque is reached, taking the guess work out of knowing “How tight is tight?”. Unlike fired on, however, most of the electrical energy is conducted through a highly conductive Interface. This Interface has been a loose component in the standard product for years.

Introducing the Captive Interface version where the Interface is now “held” by the body making it a complete and whole connector. With the Interface contained it provides the following benefits:

- The interface is no longer prone to falling. It is held by the body.
- It removes one step in the installation process simplifying the procedure and reducing the possibility of error. The line worker no longer needs to install the Interface.
- It allows for conductor side entry, which improves long term performance by keeping the factory installed oxide inhibitor inside the connector during installation and off the line worker’s gloves.

In addition to technical improvements, the CPI Shear Bolt WEJTAP connectors provide the following benefits:

- Many of these connectors are now stocked allowing for same day deliveries.
- Manufacturing improvements have reduced lead times down to only a couple of weeks compared with the standard product line.



| Features and Benefits                                                                                                                                          | Standard<br>CPI Shear Bolt<br>WEJTAP | New<br>Captive Interface<br>WEJTAP |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------|
| Captive interface acts as a third hand allowing the installer to focus on making the connection and not worry about the interface falling                      |                                      | ✓                                  |
| 3 step installation reduces installation errors                                                                                                                |                                      | ✓                                  |
| Conductor side entry simplifies installation and reduces chance of oxide inhibitor getting on lineman gloves                                                   |                                      | ✓                                  |
| Conductor side entry simplifies installation and keeps oxide inhibitor inside the connection to keep Mother Nature out and increase the life of the connection |                                      | ✓                                  |
| Many connectors stocked allowing for same day shipping                                                                                                         |                                      | ✓                                  |
| Industry-proven spring wedge technology easily installed with common socket or impact wrench—No special tools required!                                        | ✓                                    | ✓                                  |
| “Spring like” high strength C-Body ensures permanent connection with consistent pressure on the conductors                                                     | ✓                                    | ✓                                  |
| Meets or exceeds current carrying capacity of conductors being connected                                                                                       | ✓                                    | ✓                                  |
| Corrosion resistant highly conductive aluminum alloys with a pure aluminum insert between conductors increases conductivity and lowers electrical resistance   | ✓                                    | ✓                                  |
| Corrosion inhibitor factory applied for ease of installation                                                                                                   | ✓                                    | ✓                                  |
| Remains permanently locked through fault current or power surges                                                                                               | ✓                                    | ✓                                  |
| Easy to remove without damage to conductor                                                                                                                     | ✓                                    | ✓                                  |
| May be used in non-corrosive environments and low currents to connect copper conductors                                                                        | ✓                                    | ✓                                  |

## How to Convert Existing CPI Connectors to Captive Interface Connectors

Converting the standard CPI Shear Bolt WEJTAP connectors to the new CPI Shear Bolt Captive Interface WEJTAP connectors is a breeze. Most catalog numbers are similar, simply add an "F" to the existing catalog number to get the new version. The conductor ranges are identical. A couple catalog numbers were consolidated to reduce the number of SKU's. Please refer to the conversion table below.

### Captive Interface Cross Reference (Standard to CI)

| Standard<br>Cat. No. | Captive Interface<br>Cat. No. | Conductor                                                  |                 |                                                  |                 | Replacement Bolt Cat. No.<br>for Captive Interface |
|----------------------|-------------------------------|------------------------------------------------------------|-----------------|--------------------------------------------------|-----------------|----------------------------------------------------|
|                      |                               | Main                                                       | Main Dia. Range | Tap                                              | Tap Dia. Range  |                                                    |
| 640101               | 640101F                       | #6                                                         | 0.162" -0.232"  | #6, #4 SOLID                                     | 0.162" -0.204"  | RBK-1                                              |
| 240100               | 240100F                       | #4, #2, #1 AAC                                             | 0.232" -0.328"  | #6, #4 SOLID                                     | 0.162" -0.204"  |                                                    |
| 240101               | 240101F                       |                                                            |                 | #4                                               | 0.232" -0.257"  |                                                    |
| 240102               | 240102F                       |                                                            |                 | #2, #1 AAC                                       | 0.292" -0.328"  |                                                    |
| 210103               | 210103F                       | #1 ACSR, 1/0, 2/0 AAC                                      | 0.354" -0.414"  | #6 ACSR, #4 AAC                                  | 0.198" -0.232"  |                                                    |
| 210105               | 210105F                       |                                                            |                 | #4, #2, #1 AAC                                   | 0.232" -0.328"  |                                                    |
| 210106               | 210106F                       |                                                            |                 | #1 ACSR, 1/0, 2/0 AAC                            | 0.354" -0.414"  |                                                    |
| 230107               | 230107F                       | 2/0 ACSR, 3/0                                              | 0.447" -0.502"  | #6 ACSR, #4 AAC                                  | 0.198" -0.232"  |                                                    |
| 230108               | 230108F                       |                                                            |                 | #4, #2 AAC                                       | 0.232" - 0.292" |                                                    |
| 230109               | 230108F                       |                                                            |                 | #2 AAC, #1                                       | 0.292" - 0.354" |                                                    |
| 230110               | 230110F                       |                                                            |                 | #1 ACSR, 1/0, 2/0 AAC                            | 0.354" -0.414"  |                                                    |
| 230111               | 230111F                       |                                                            |                 | 2/0 ACSR, 3/0                                    | 0.447" -0.502"  |                                                    |
| 264111               | 264111F                       | 3/0 ACSR, 4/0, 250 AAC                                     | 0.502" -0.574"  | #6 ACSR, #4 AAC                                  | 0.198" - 0.232" |                                                    |
| 264112               | 264111F                       |                                                            |                 | #4 ACSR, #2, #1 AAC                              | 0.250" - 0.328" |                                                    |
| 264113               | 264113F                       |                                                            |                 | #1 ACSR, 1/0, 2/0 AAC                            | 0.316" -0.414"  |                                                    |
| 264114               | 264114F                       |                                                            |                 | 2/0 ACSR, 3/0,                                   | 0.447" -0.502"  |                                                    |
| 264115               | 264115F                       |                                                            |                 | 4/0, 250 AAC                                     | 0.522" -0.574"  |                                                    |
| 350117               | 350117F                       | 266.8 ACSR, 300 MCM, 336.4 AAC<br>336.4 ACSR 18/1, 350 MCM | 0.609" -0.684"  | #6, #4 AAC                                       | 0.162" -0.232"  |                                                    |
| 350118               | 350118F                       |                                                            |                 | #4                                               | 0.232" -0.257"  |                                                    |
| 350119               | 350119F                       |                                                            |                 | #2, #1 AAC                                       | 0.292" -0.328"  |                                                    |
| 350120               | 350120F                       |                                                            |                 | #1, 1/0 AAC                                      | 0.328" -0.368"  |                                                    |
| 350121               | 350121F                       |                                                            |                 | 1/0 ACSR, 2/0                                    | 0.398" -0.447"  |                                                    |
| 350122               | 350122F                       |                                                            |                 | 2/0 ACSR, 3/0                                    | 0.447" -0.502"  |                                                    |
| 350123               | 350123F                       |                                                            |                 | 4/0, 250                                         | 0.522" -0.574"  |                                                    |
| 350124               | 350124F                       |                                                            |                 | 266.8 -19 AAC, 300 AAC, 266.8 ACSR               | 0.592" -0.642"  |                                                    |
| 350125               | 350125F                       |                                                            |                 | 300 ACSR 26/7, 350, 336.4 18/1                   | 0.665" -0.684"  |                                                    |
| 336222               | 336222F                       | 300 AAC, 350 AAC                                           | 0.63" - 0.68"   | #2 Cu                                            | 0.257" - 0.292" |                                                    |
| 336200               | 336222F                       | 336.4, 350 MCM, 397 ACSR 18/1                              | 0.666" -0.743"  | #6, #4                                           | 0.162" - 0.257" |                                                    |
| 336104               | 336104F                       | 336.4, 350 MCM, 397 ACSR 18/1                              | 0.666" -0.743"  | #4 ACSR, #2, 1/0 AAC                             | 0.257" -0.368"  |                                                    |
| 336012               | 336012F                       |                                                            |                 | 1/0, 2/0, 3/0                                    | 0.368" -0.502"  |                                                    |
| 336866               | 336866F                       |                                                            |                 | 4/0 ACSR, 266.8 AAC                              | 0.522" -0.592"  |                                                    |
| 336718               | 336718F                       |                                                            |                 | 266.8 ACSR 36/7, 336.4, 397.5                    | 0.642" -0.806"  |                                                    |
| 477057               | 477057F                       | 397 ACSR 24/7, 450 MCM, 477,<br>500 MCM, 556.5 AAC         | 0.769" -0.858"  | #6 AAC, #4, #2                                   | 0.162" -0.316"  |                                                    |
| 477962               | 477962F                       |                                                            |                 | #2, 1/0                                          | 0.292" -0.398"  |                                                    |
| 477853               | 477853F                       |                                                            |                 | 1/0 ACSR, 2/0, 3/0 AAC                           | 0.398" -0.464"  |                                                    |
| 477724               | 477724F                       |                                                            |                 | 3/0 ACSR, 4/0, 250, 266.8, 300 AAC               | 0.502" -0.628"  |                                                    |
| 477633               | 477633F                       |                                                            |                 | 266.8 ACSR 36/7, 300 AAC, 336.4, 397.5 ACSR 24/7 | 0.628" -0.772"  |                                                    |
| 477434               | 477434F                       |                                                            |                 | 336.4 ACSR 26/7, 397, 477, 500 MCM, 556 AAC      | 0.72" -0.858"   |                                                    |
| 556956               | 556956F                       | 477 ACSR 26/7, 556, 600 MCM,<br>636 ACSR 18/1, 605 ACSR    | 0.856" -0.953"  | #6, #4, #2                                       | 0.162" -0.316"  |                                                    |
| 556892               | 556892F                       |                                                            |                 | #2, #1, 1/0                                      | 0.292" -0.398"  |                                                    |
| 556783               | 556783F                       |                                                            |                 | 1/0 , 2/0, 3/0, 4/0 AAC                          | 0.368" -0.52"   |                                                    |
| 556638               | 556638F                       |                                                            |                 | 4/0, 250, 266.8, 300 MCM, 336 AAC, 350 MCM       | 0.522" -0.68"   |                                                    |
| 556504               | 556504F                       |                                                            |                 | 350 MCM, 336.4, 397.5, 477 AAC                   | 0.68" -0.806"   |                                                    |
| 556294               | 556294F                       |                                                            |                 | 397 ACSR 30/7, 477, 500 MCM, 556.5, 636 AAC      | 0.795" -0.918"  |                                                    |
|                      | Consolidated catalog numbers  |                                                            |                 |                                                  |                 |                                                    |



## Coming Soon

**Copper and aluminum captive interface!** Check out our offering of interfaceless stirrups, pad taps, and terminals at [www.hubbell.com/cpi](http://www.hubbell.com/cpi).

**Captive interface WEJTAP™ with optional captive shear bolt** that shears off at the appropriate torque but stays in place, preventing the bolt head from falling. Add the suffix “CB” after the “F” to add this feature.



For more information about these products and more, visit [www.hubbell.com](http://www.hubbell.com) or contact your local Hubbell sales representative.

