



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

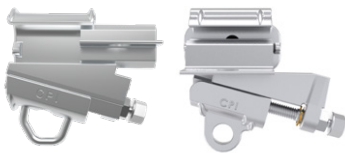
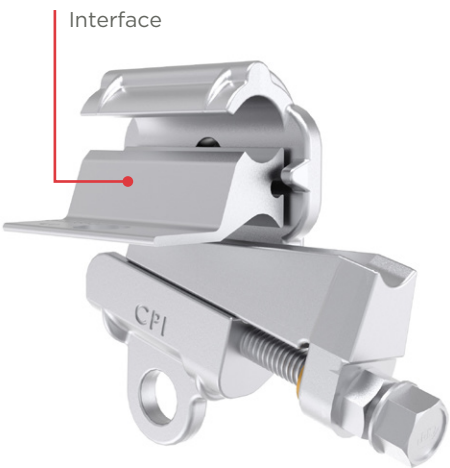
CPI Shear Bolt WEJTAP connectors are designed for use as a permanent connection for aluminum and copper conductors. These connectors provide the reliability and performance of fired on wedge connectors but without the need for specialized tooling and boosters. Just like fired on connectors, CPI Shear 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 CPI Shear Bolt WEJTAP	New Captive Interface 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 Cat. No.	Captive Interface Cat. No.	Conductor				Replacement Bolt Cat. No. 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 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"	RBK-3F
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, 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, 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.

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 or contact your local Hubbell sales representative.

