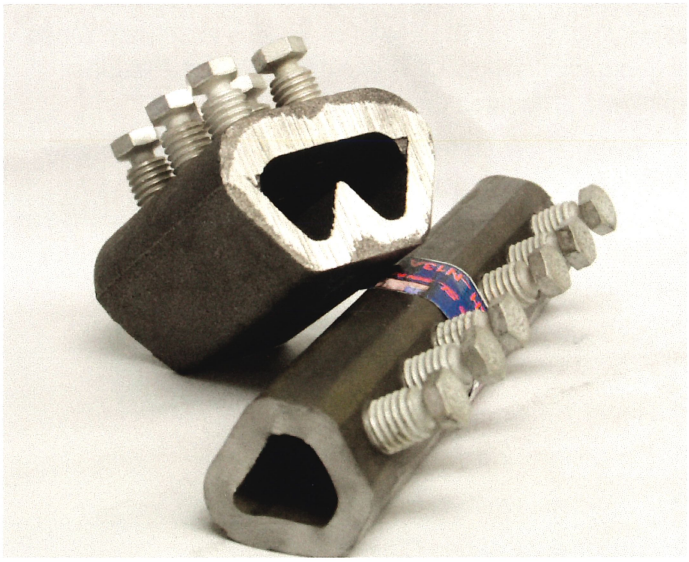
BARSPLICE ACCESSORIES

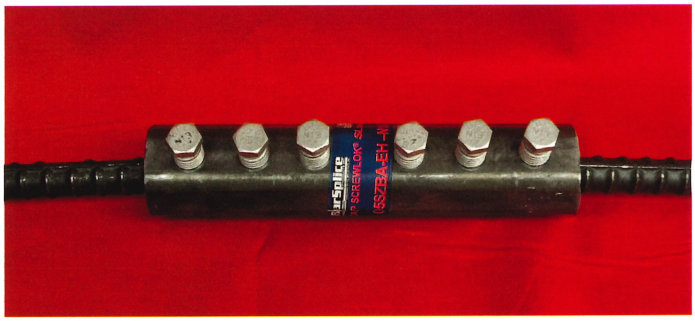
BarSplice Products, Inc. offers customers a broad range of engineered mechanical splice systems for the benefit of the reinforced concrete construction industry.

ZAP Screwlok: Field splices options for your projects

- Retrofit or repair of existing structures
- Eliminate expensive rebar-welds
- Extend deck steel to widen bridges
- Highway patch and repair projects
- Connect bars across closure pours
- In reinforced concrete piles and columns

Zap Screwlok systems are a simple installation depending on the size – assemble manually with a socket wrench or for a quick installation, use a standard air impact wrench. Tighten the screws until the heads twist off at the prescribed value (instructions included). The force from the screws causes the rebar deformations to interlock within the coupler. The screws embed themselves in the rebar surface. This dual mechanical action results in a full positive connection for transferring tension or compression force from bar-to-bar.

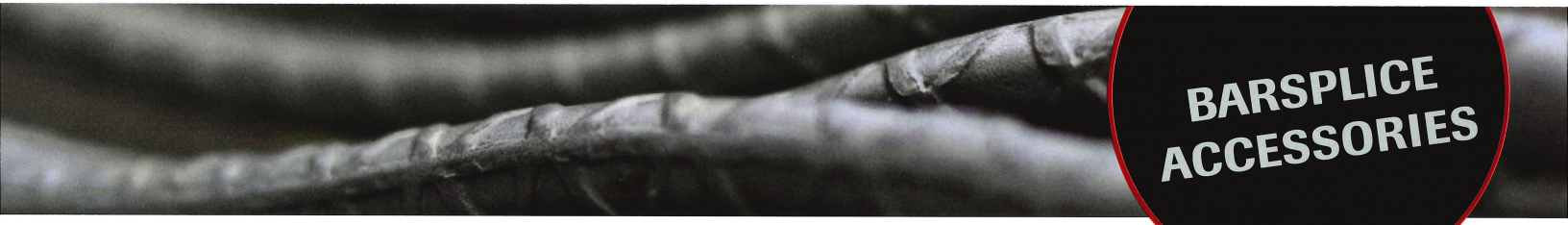




Zap Screwlok

ITEM	Available Sizes
Zap Screwlok Type 2 Series Also available in Epoxy	#3 - #18
Zap 'SL' Structural Connectors	#4 - #18
Double Barrel Zap Screwlok	#3 - #8/7
Double Barrel Zap Transition	#3 - #7

Please contact us for or more information about DOT approved products and compatibility with grade 60, 75, 80 and 90.



BARSPLICE ACCESSORIES

GRIP-TWIST®: Versatile Modular Splice & Anchorage System for Reinforcing Bars

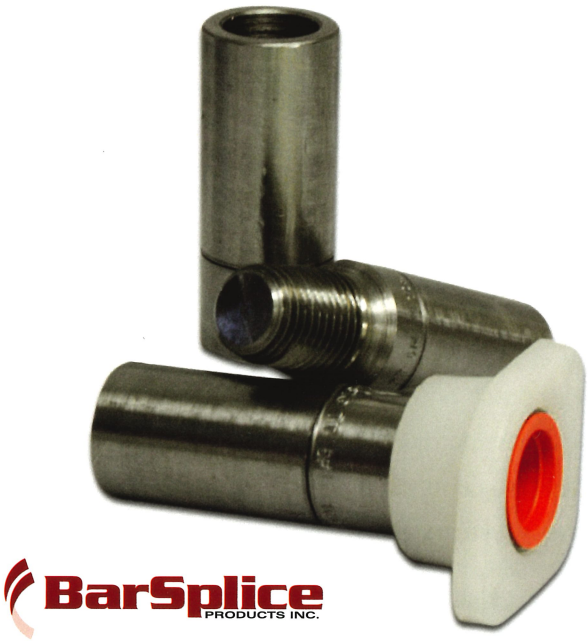
Grip-Twist® is a Type 2 swaged splicing and anchorage system that incorporates the use of self-locating taper threaded ends on components for expeditious field assembly. Because parts are swaged to the bars and the threads are formed on the couplers instead of the reinforcing bars, there is no loss of cross-sectional area and the full ultimate design strength of the reinforcing system is maintained.

Swaging in advance means important time and cost savings for your project. Under fabrication shop conditions, with suitable equipment, just one or two pressings per coupler – half are all that is needed to install parts onto most bar sizes. Bars of different sizes may be connected using Transition Grip-Twist. Reinforcing bar sizes #3 through #18 can be spliced & anchored by Grip-Twist.

In the field it is only necessary to rotate one of the two bars until the threads of male and female couplers are fully assembled…no specialized equipment or torque wrench is needed for this operation.

As a mechanical splice, Grip-Twist is superior to rebar laps as it does not rely on the surrounding concrete to transfer forces between bars. Grip-Twist mechanical splices supplant all classes of lap splice including A, B and C.

Taper Threaded Grip-Twist



Strength requirements for mechanical splices established in ACI 318 are significantly higher than those for lap splices. Taper Threaded Grip-Twist has been qualified by in-air tests and protocols like AC-133 to sustain inelastic reinforcing bar strain excursions such as those that might be brought about by overload due to seismic activity – whereas the use of rebar laps in seismic zones is generally disallowed. The use of #14 and #18 lap splices is prohibited on all projects.

If spalling of concrete cover occurs around a lap bar by fire, corrosion or by another mechanism, the effectiveness of the rebar lap is severely compromised because its performance is100% dependent upon the concrete that surrounds it.

Puget Sound Steel stocks the following products for Grip-Twist Couplers:

- Taper Threaded Grip-Twist
- Transition Grip-Twist
- Grip-Twist Position Coupler
- Grip-Twist Flanged Coupler