



# Homac<sup>®</sup> EZ Torque<sup>®</sup> shear bolt connectors

## Now for low and medium voltage use



Bringing the benefits of mechanical connectors to medium voltage applications



- Multiple shear planes allow for adjustable screw height
- Range-taking for multiple wire sizes
- Dual-rated for aluminum or copper
- Install with simple, off-the-shelf tools

# Homac® EZ Torque® shear bolt connectors

Multi-shear plane design opens up new possibilities.

Homac has been designing and manufacturing mechanical set-screw connectors for low voltage utility applications for more than 60 years. Now Homac engineers have evolved that single-shear plane screw design into a multi-shear plane design to support mechanical connector use in medium voltage applications.



EZ Torque shear bolt pin terminal



EZ Torque shear bolt splices

## Why multiple shear planes matter

In low voltage mechanical connector applications, the top of the set screw relative to the plane of the connector is inconsequential. The primary goal is that the proper torque (clamping force on the cable) is achieved.

Medium voltage applications require proper torque as well; however, screw height must always be flush with or below the surface of the connector. The new Homac EZ Torque shear bolts have multiple shear planes, allowing them to break off at designed points to help ensure that the proper torque is reached and that screw height is always correct throughout the connector's cable range.

For the past 40 years, more and more utilities have been transitioning from compression to mechanical connectors for low voltage applications. The new EZ Torque shear bolt connector design enables Homac to offer them the same advantages for medium voltage applications.

## Applications

Homac EZ Torque shear bolt connectors are designed for use in utility underground and overhead distribution systems:

### Medium voltage

- Termination kits for transition between overhead and underground systems
- Cable splicing

### Low voltage

- Overhead transformer connections
- Underground splicing

## Delivering value



### Efficient

Installs easily with standard, off-the-shelf tools — hand or impact-style wrench with 6-point socket. No heavy crimping tools or die sets required.



### Versatile

Dual-rated for use with copper and aluminum conductors. Accepts a range of conductor sizes, reducing the number of connectors needed in the field or on the truck.



### Reliable

An advancement based on 60+ years of Homac set-screw connector designs for low voltage applications.

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Homac EZ Torque shear bolt connectors are designed and assembled in Ormond Beach, Florida.