

SUPERBOLT Turbine Coupling Bolts



Superbolt replacements for 12 fitted studs on a 400-MW steam turbine: 12 EzFit mechanical expansion bolts, each secured by two multi-jackbolt tensioners. Torque required was only 55 ft-lb



Simple Cycle

Properly securing turbine couplings can prove challenging on both simple and combined cycle turbines. Simple cycle couplings often have hole misalignment that causes stud galling. This leads to difficulty during removal.

Superbolt's MT Series provides a safe and flexible solution to this problem. Controlling clamp force with pure tension, MT's stretch the stud without twisting, which eliminates all friction caused by torque methods.

The result is 2 degrees of forgiveness for joint misalignment when using the MT Series. This pure tension method has been proven to greatly reduce and even eliminate galling of the stud when used in these applications.

Combined Cycle

Combined cycling turbine couplings often require expansion bolts that apply both a radial and axial load. Commonly used hydraulic methods by manufacturers such as River Hawk can cause serious injuries during installation, when not properly secure. Due to power load generation, bolt shearing is often experienced with these applications. This results in a very labor-intensive and time-consuming fix.

Superbolt's EzFit solution mechanically applies pure tension to both the radial and axial surfaces. **The result is a very safe, accurate and controlled loading of the clamping surface.**

For a demonstration of this technology and to discuss your application further, contact us at sales@aehh.net or by phone at 262-798-0535.