

Rapid Detensioning of Bolted Joints

New Technology to Safely and Effectively Perform Maintenance on Your Plant Components Reducing Duration, Risk, and Dose

Every Innovation Has a Mission

One of utilities' top priorities in the 21st century is securing operational excellence. Tangible results that ensure safety, quality, performance and delivery are paramount. Your teams can count on Framatome to deliver results that:

- Reduce cost
- Reduce critical path time
- Reduce overall dose
- Increase task safety and efficiency
- Resolve emergent issues quickly
- Improve plant performance and reliability

The Challenge

Bolted joints that are under high tensile loads are more prone to galling and seizing. When this occurs, unavoidable time is added to the process for the repair or removal of the bolts. Heat exchanger manway closure removal may encounter stuck studs, consequently adding time to the outage schedule. Galled or damaged threads may require stud removal and Heli-Coil installation.

Our Solution

Framatome can assemble these joints using the Pop-Washer™. The Pop-Washer™ allows for safe, rapid detensioning of joints by simply turning the washer, allowing the unloading of the threads — a process that is less susceptible to galling and seizing. This solution provides certainty of outcome, saving you valuable time, dose and cost while simultaneously mitigating risk to your plant's components.



Features and Benefits

- Less susceptible to galling and seizing
- Avoids manway closure stuck stud removal
- Saves time, dose and cost
- Mitigates risk to your plant's components
- Incorporated locking feature ensures safety

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**Your performance
is our everyday commitment**