

HYDRAULIC BOLT TENSIONING

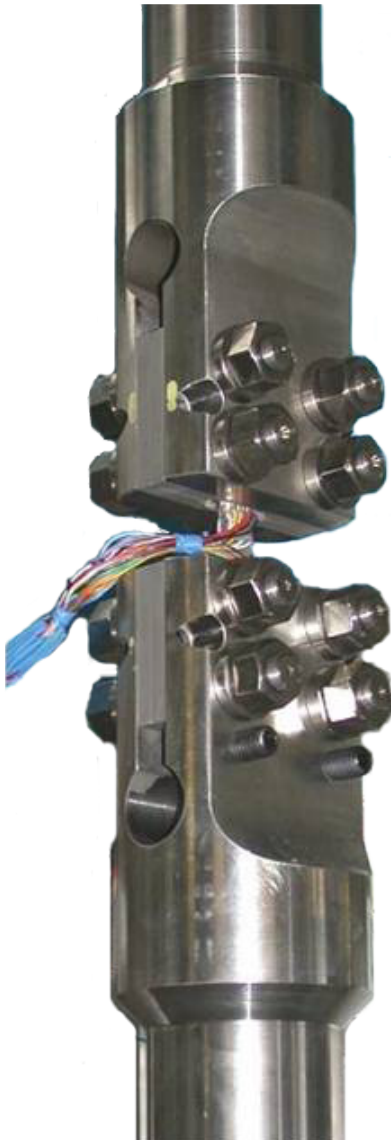
M12 Special Hydraulic Bolt Tensioning Tool

Conventional spanners and hand torque wrenches are normally all you need to tighten M12 bolts but when something special was called for Boltight provided the solution.

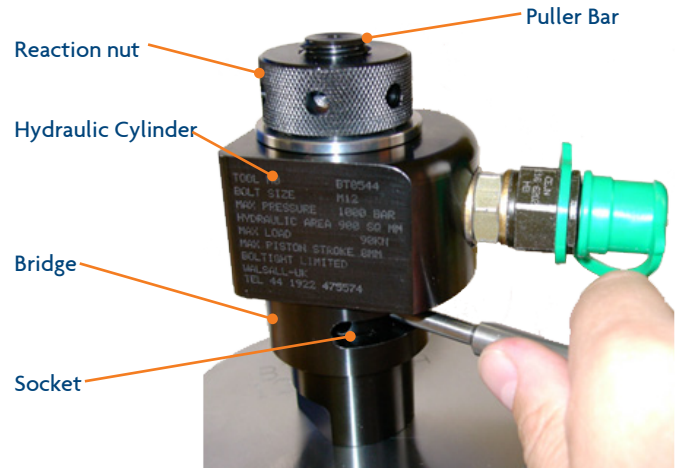


This lightweight palm size tool was designed to fit the restricted space available around an M12 bolt and nut. Operating at 1000 bar the tool develops a very high residual bolt stress.

The application is on a high temperature test rig which uses INCONEL 718 bolts operating at 500°C. Two tools were connected together using flexible hoses to a hand pump for simultaneous tensioning.



Test rig clamp



The tool comprises of five main components, bridge, socket, hydraulic cylinder, puller bar and reaction nut.



Two tools being used to tighten the high temperature clamp bolts



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HYDRAULIC BOLT TENSIONING

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