

HYDRAULIC BOLT TENSIONING

Steam Generator Manway Multi-Stud Tensioners

The Application

- Tensioning of manway covers on Westinghouse Type F steam generator
- Primary, secondary and hand hole manway covers
- Safety critical application demanding high accuracy
- Time saving and ease of operation critical

The Solution

- Bespoke multi-stud tensioner (MST) package
- Supply of single ring MST system to fit 8 x 1.0" bolts on hand hole manway flange
- Supply of five segment MST system to fit 20 x 1.25" bolts on secondary manway flange
- Supply of four segment MST system to fit 16 x 1.875" bolts on primary manway flange
- Supply of two pumps, ancillary hoses, fittings and Tee Blocks and guide bolts
- Single ring and segment test blocks for each MST to allow pre-operation checks and operator training

The Benefits

- A fast and simple method for tensioning bolts on generator manway covers
- Meets ALARA objectives (worker dose reductions)
- All studs on a cover can be tensioned simultaneously
- Greater safety, significantly reduced downtime during outages and less manpower required
- For larger manways the MST system is supplied in portable segments so no special rigging required to lift a heavy single one-piece system
- All MSTs fitted with either internal or external lifting handles to allow fitting by a single technician
- Each MST segment features a single hydraulic inlet connection
- Solution provides high and accurate preloads to eliminate leaks
- Custom design and made-to-order
- All items CE marked and calibrated



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HYDRAULIC BOLT TENSIONING

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