

BOLTIGHT®

HYDRAULIC BOLT TENSIONING



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HYDRAULIC BOLT TENSIONING

BOLTIGHT is the UK
Registered Trade Mark
of Boltight Limited

BOLTIGHT Ltd Subsea Tooling

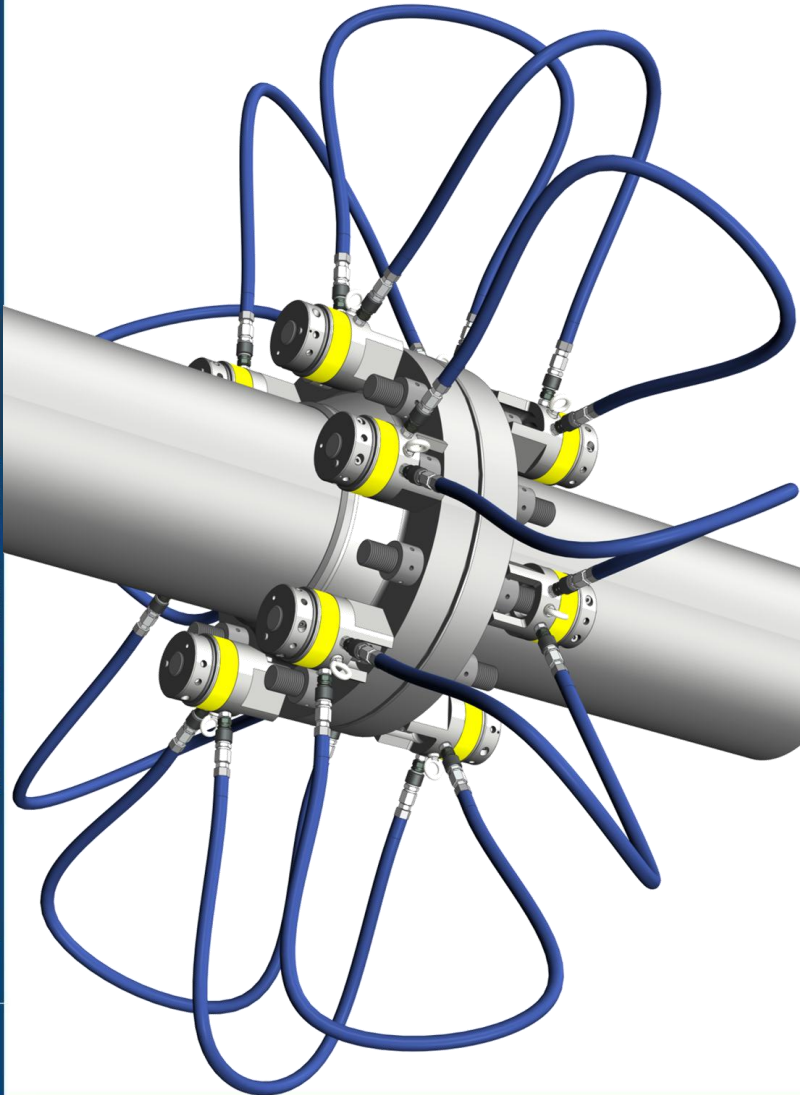


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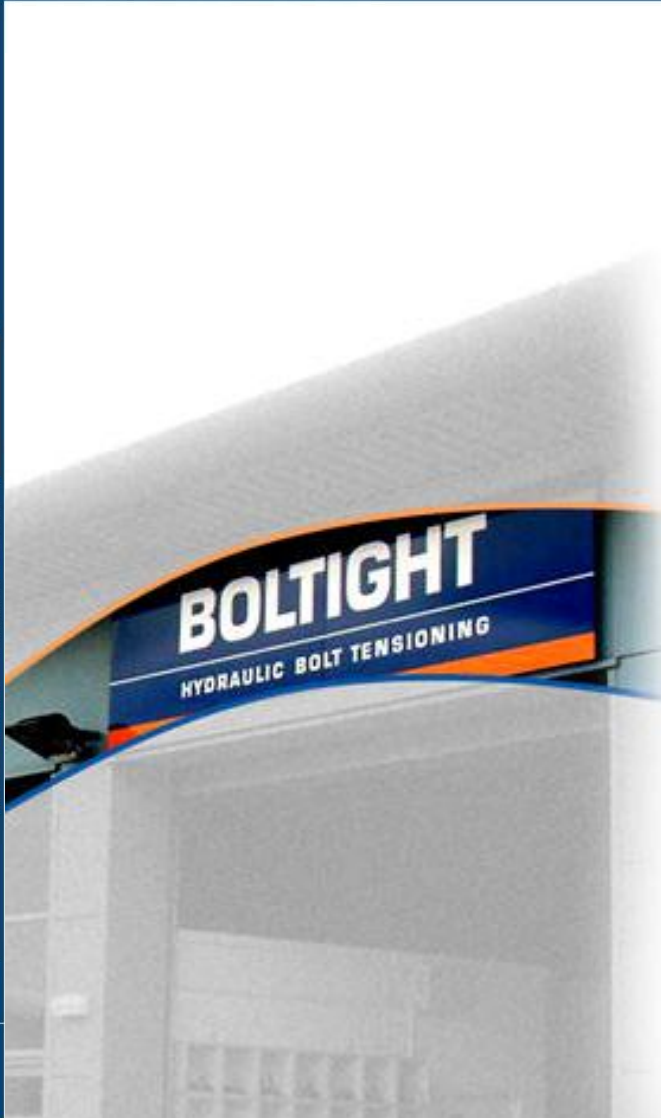
- Global hydrocarbon demand from offshore fields is increasing!
- Operating depths of up to 250m or more are now common
- Environmental and safety concerns dictate that leak-free connections must be achieved and maintained
- These harsh marine environments require tooling to be fast, reliable and easy to use
- For this reason Bolt Tensioning remains the preferred method of tightening and monitoring subsea flanged connections



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- BOLTIGHT Bolt Tensioners are reliable, robust and easy to use
- BOLTIGHT tools provide unrivalled shelf and operational life
- BOLTIGHT Bolt Tensioners are safe – every tensioner supplied by BOLTIGHT includes the latest safety features to minimise risk in the event of hardware failure or misuse
- BOLTIGHT tooling is versatile – entire ANSI subsea bolting range covered by only 5 load cells
- BOLTIGHT Bolt Tensioners are available on a fast delivery
- BOLTIGHT subsea tooling can provide additional environmental assurance if using water or biodegradable oil as the hydraulic medium

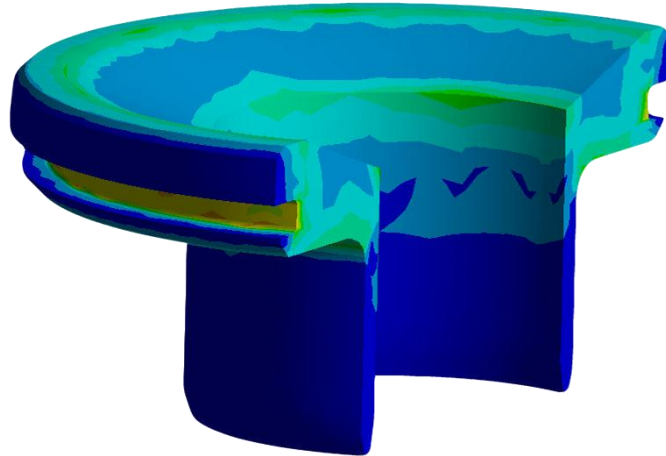


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HYDRAULIC BOLT TENSIONING



- Bolt Tensioning specialists
- Design skill and experience
- Latest 3D CAD and finite element analysis software
- High quality UK produced product
- CE marked
- High reliability / low maintenance
- First class engineering and after sales support and service
- Experts in special or bespoke designs
- Fast response and quick delivery



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Standard Subsea Range

- G1-G5 standard load cells
- Stock items 3/4" to 3-1/2"
- Metric sizes also in stock
- 1500 bar (21,750 psi) operating pressure for optimum size
- Long 30mm stroke
- Solid or split Reaction Nuts
- Various corrosion resistant finishes available
- Specials also available on fast delivery
- Sale and hire available





1000 bar Range

- Available from 3/4in to 3-1/2in and M20 to M90
- 1035 bar (15,000 psi) operating pressure, suitable for users with existing 1000 bar equipment
- 20mm stroke
- Coated 'marine yellow' for corrosion resistance and high visibility
- Fits standard flanges above 4in
- Easy manual piston return
- Custom designs available



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Patented push button
vent-to-atmosphere
valve

VORTEX Tensioners

- 3/4in to 3-1/2in and M20 to M90
- 1000 bar operating pressure
- Spring return piston - no more returning tools to the surface to retract
- Environmentally friendly design – tool uses water instead of hydraulic oil
- Patented 'push-button vent-to-atmosphere' valve
- Positive stop to safely prevent overstroke and protect seals
- Suits most common flange classes and standards
- 20mm stroke
- Solid and split reaction nuts available
- Durable nickel plated finish



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Air Pumps and Hoses

- Full complement of hoses, air pumps and ancillaries available
- All BOLTIGHT ancillaries designed for subsea use

//RapidRetract Pump

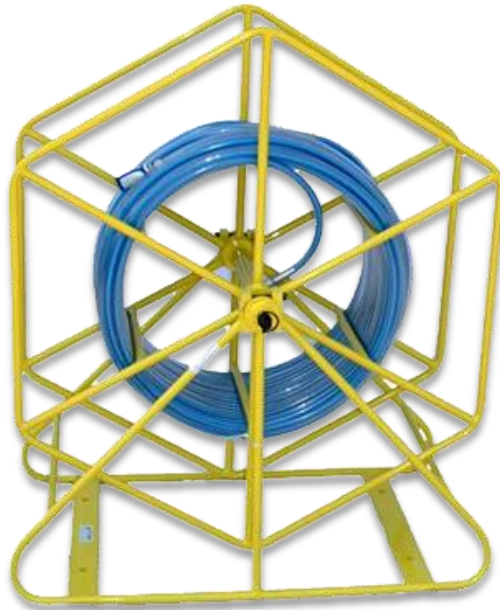
- Automatic or assisted piston retraction
- Improves operational time
- Works with all brands of reputable bolt tensioners
- Supplied as a standalone or integrated unit
- Suitable for all working pressure tooling



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Subsea Down Line

- Single or twin line compatible
- Lightweight and durable
- >1000m hose capacity
- Deck mountable
- Anti-corrosion finish

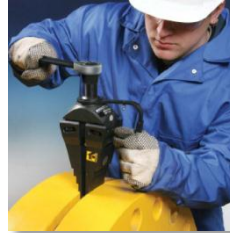


Flange Pullers

- Available in topside or subsea configuration
- Held in stock for all popular flange sizes



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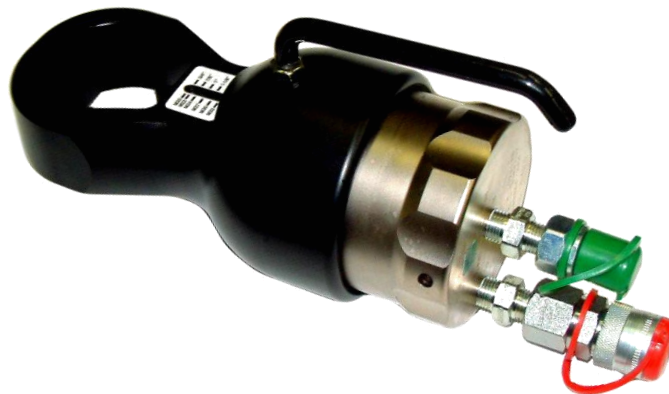


Flange Spreaders

- Available as hydraulic or mechanical versions
- Complete with diver friendly integrated pump

Nut Splitters

- Available to suit nut sizes from 3/4in to 3-1/2in and M20 to M90
- Topside or subsea versions
- Fits all ANSI B16.5 flanges
- Low maintenance
- Disposable triple edge blade
- Adjustable cutting depth



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BOLT+ CALCULATOR



- Advanced support for bolt tightening and flange management
- Quick calculation of bolt stress and tensioner pressure values
- Simple and easy to use, requiring minimal user input
- Provides procedures and support documentation for multiple jointed projects
- Customisable to special applications or tools
- Web-based - access supplied with all BOLTIGHT tool consignments
- Modules available to support other brands of tensioner or torque products
- Suitable for all common flange types



ISO 9001 Registered Firm

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- Courses available on-site or at our UK facility
- Classroom (theory) and shop floor (practical) course content
- Fully customisable courses to suit the training needs of your personnel
- Full training manual and certificate provided
- All equipment supplied with a comprehensive health safety operating instructions and maintenance manual
- 24 hour telephone support available



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