



Wind Turbine Bolt Tensioning Equipment

Boltight hydraulic bolt tensioning tools provide a quick, simple, accurate and reliable solution for tightening critical bolted joints on today's modern wind turbines.

Standard and special designs are available to suit each particular application.

Blade & Nacelle Bolting

The Typhoon® multi-stage tool is designed for:

- ✓ Blade bolting
- ✓ Bearing to hub bolting
- ✓ Nacelle frame bolting
- ✓ Hub to spindle bolting
- ✓ Gearbox bolting
- ✓ Miscellaneous bolting

The Typhoon® range of multi and single stage tools are available as standard stocked items for most tensioning applications. High bolt loads in tight spaces with maximum reliability. See datasheet DS-4.

Foundation Bolting

Boltight's range of foundation bolt tensioners covers most types of foundation and anchor bolts with just two different head sizes and modular bridges assemblies Fast and reliable operation. Available from stock. See data sheet DS-73.

Tower Bolting

The Typhoon® multi-stage range of tensioners has been designed to provide high and accurate preloads within a minimum diameter envelope. Durable, lightweight and easy to use, these tools are ideal for use within the confined radial spaces typical to tower connections. See datasheet DS-4.

Typhoon® single stage bolt tensioners are also available for most tensioned applications. They offer high bolt loads in vertically restricted spaces, whilst providing the same user-friendly features as their multi-stage counterparts. See

Foundation Bolting Tool





Multi Stage Typhoon®

Single Stage Typhoon®



"Boltight tensioners have been specifically designed to meet the exacting requirements of the wind turbine industry"

BOLTIGHT
HYDRAULIC BOLT TENSIONING
BOLTIGHT is the UK Registered Trade Mark of Boltight Limited

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Wind Turbine Bolt Tensioning Equipment

Boltight tensioners are designed to meet the exacting requirements of the wind industry. Reliable and easy to use, Boltight tensioners are kept in stock for most common wind turbine applications.

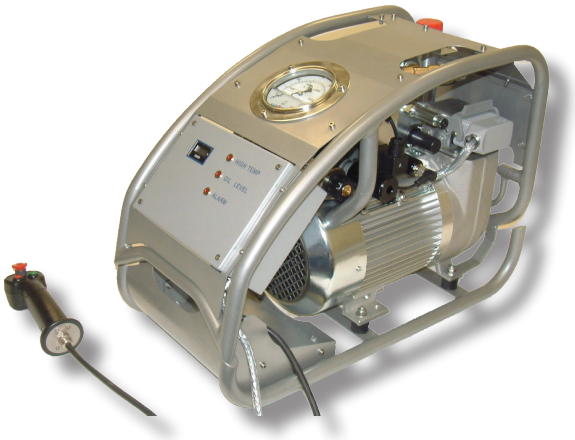
Benefits:

- Single or multi stage configurations available
- Lightweight, optimised hi-load designs
- Generates 95% yield stress on 10.9 bolts
- Meets 10.9 proof load requirement ASTM A490M and EN ISO 898-1:1999
- High-cycle fatigue life
- Spring loaded gear driven nut rotation
- Positive stop
- Optional cycle counter
- Carrying handle
- Configurable hydraulic connections including swivel fitting
- Durable, user friendly design
- Special/bespoke designs available
- Complementary range of pumps, flexible hoses and fittings

towerPACK

Electric Driven Hydraulic Pump

A pump designed for the wind turbine industry - the Tower Pack electrically driven hydraulic pump gives durable and reliable performance under the most arduos conditions. See datasheet BT 1507-W.



TowerPack Electric Driven Hydraulic Pump

echometer

Ultrasonic Bolt Load Measurement

Ultrasonically measure bolt elongation, stress and load, quickly and accurately. Suitable for OEM and field use. Record and store data of obtained bolt measurements. See datasheet BT



Boltight Echometer

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