

Bolt tightening solutions

Contents

Introduction	64
Tentec Airbac bolt tensioners and RT Advance hydraulic torque wrench system	65

A dynamic range of bolting tools

Frequently chosen by customers in the oil and gas, power generation, wind energy, and other sectors, Atlas Copco world-class bolting tools and software help you maximize process security, minimize human and operational risk and reduce your overall investment costs. Our custom-designed hydraulic bolt tensioners, “smart” hydraulic torque wrench systems, and industry leading electric and pneumatic nutrunners are supported by Atlas Copco's extensive application expertise and worldwide presence.

IT PAYS TO CHOOSE THE BEST

Atlas Copco's core bolting techniques are hydraulic torque, tensioning, and continuous rotation. Our complete portfolio of advanced bolting tools includes:

- Hydraulic torque wrenches
- Hydraulic bolt tensioning systems

- Electric transducerized nutrunners and pneumatic nutrunners
- Mechatronic and transducerized manual wrenches
- Smart Systems
- Accessories, pumps

We have the best products in all bolting technologies, and all our products are designed and produced inhouse by our own plants in the UK and Sweden.



HYDRAULIC TORQUE



TENSIONING



CONTINUOUS ROTATION



MANUAL TIGHTENING



PUMPS



ACCESSORIES



SMART SOFTWARE

Tentec Airbac bolt tensioners

ABOUT TENSION

With tensioners, the action is not directly on the nut, instead tension is applied directly to the stud in order to produce stretch. Once the prestretch is achieved, the nut can be tightened. Once the pressure is released the nut holds the load on the bolt. This produces the clamp force. Multiple tensioners can be used together to provide even load when tightening.

SETTING A NEW STANDARD

- Innovative, market leading technology.
- Minimum operational downtime.
- At least 3 times faster piston retract than spring assisted tensioners.
- Around 20 percent lighter.
- Nickel plated to enhance corrosion resistance.



RT Advance hydraulic torque wrench system

ABOUT TORQUE

Using torque tools, such as nutrunners or hydraulic torque wrenches, you turn the nut. As the nut turns, it stretches the stud. The torque setting for the tool translates into load on the connection. When the tools are used following the appropriate specifications for lubrication, coating and other factors, a desired clamp force can be produced.

OUR FIRST 'SMART' BOLTING SYSTEM

- Torque, angle and time based tightening strategies.
- Tightening feedback with traces.
- Full function remote control.
- 16GB inbuilt memory.
- ToolsNet enabled.
- WiFi: Remote access system support.



The products shown above are just two of our latest innovations. To see our full range of bolting products and solutions, please access our Bolt Tightening Solutions catalog:

