

Boltite Conventional Bolt Tensioner

Boltite tensioners are designed to fit specific stud sizes (either Imperial or Metric), and provide an extremely compact tensioner that is simple to use, at an affordable price and most importantly safe to use. Pertracarbon can customize to your design that will fit to your application and will help you to find the solution to your needs.

Bolt Tensioner



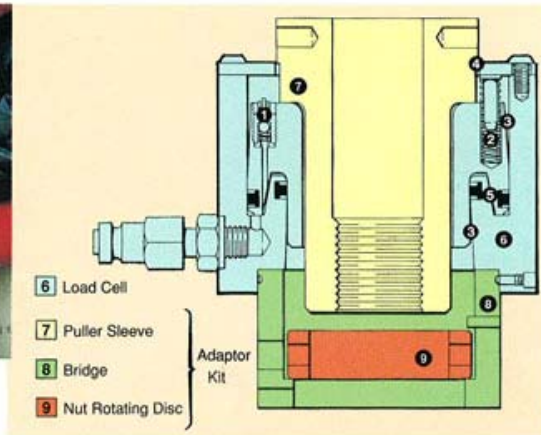
Both the customer and industry have highlighted the need to apply accurate bolt loading in a controlled and safe manner.

The **BOLTITE**® Bolt Tensioner with its unique design provides the optimum solution.

Modern computer-aided design techniques, in addition to finite element stress analysis, photo-elastic modelling, strain gauging and cyclic testing, all ensure that safety, quality and reliability are built into the tool.

BOLTITE® features:

- **Overstroke Eliminator** 1
A relief valve has been incorporated into the piston to prevent overstroking, thus eliminating seal damage and improving operator safety. When the maximum stroke is exceeded, the overstroke relief valve bleeds off the water-based hydraulic fluid safely within the tool.
- **Rapid Power Return Stroke** 2
(Improved time saving)
Automatic, spring-assisted piston retraction assists in reducing the duration of tensioning programmes.
- **Misalignment Compensation** 3
The unique floating piston design allows a 3° tilt (in any direction) without loss of load, preventing piston seizure or damage to the cylinder bore.
- **Piston Stroke Indicator** 4
The integral piston stroke indicator



allows piston stroke to be viewed, measured and controlled.

- **Seals** 5
Low friction, anti-roll/non-spiralling seals and rigid back-up rings are incorporated within a unique piston/cylinder design for improved life and reliability.
- **Adaptor Kit** 7 8 9
The interchangeability of adaptor kits (bridges, nut rotating disc and puller sleeve) enables a number of different bolt sizes to be tensioned using a single load cell.
- **Nut Rotating Disc** 9
A range of nut rotating discs are incorporated to eliminate the need for, and preparation of pre-drilled nuts.

On-site Bolting Services

Through quality procedures and a fully traceable documentation system,



BOLTITE® are capable of surveying projects, recommending tooling and manpower requirements, providing technical data and work procedures. **BOLTITE**® can also carry out the work, supply completion certificates and flange tags, ensuring a leak-free and guaranteed joint. **BOLTITE**'S technicians are fully trained in bolt working practices and are available for immediate mobilisation.

Technical Service

A dedicated technical support facility is available, combined with the wealth of experience of the engineering service division. **BOLTITE**® can provide practical and technical assistance, including the study of specific applications and the recommendation of solutions to support customers in solving their bolting problems. All **BOLTITE**® products are available for purchase or hire.

