UT

BOLT TENSIONERS 1000 / 1500 bar

BAT
bolting advanced technologies

FEATURES

EUROPRESS bolt tensioners are made of an hydraulic part with a supporting base (bridge) to which a threaded puller and a polygonal wrench in its various sizes may be added.
This allows to cover a large number of tie rods and to optimize the number of bolt tensioners necessary.

According to their technical characteristics, they differ as:

UTN series at 1000 bar, provide a traction force of about the 70% of the break point of a steel bolt grade 8.8 of the biggest size (value of max thread in the chart).
They are equipped with **K13M** coupler.

UTH series at 1000 bar, with most of these you can obtain a traction force equal to 70% of the yield stress of a steel bolt grade 10.9 of the maximum size (value of max thread in the chart).
They are equipped with **K13M** coupler.

UTV series at 1500 bar, that can develop a traction force of about the 70% of the break point of a steel bolt grade 10.9 of the biggest size (value of max thread in the chart). They have reduced overall dimensions if referred to the 1000 bar series, due to their high working pressure.
They are equipped with a **K15M** coupler, and have a second auxiliary hole (1/4" BSP) that can be joined with a quick coupler (to be ordered separately) for in line connections.

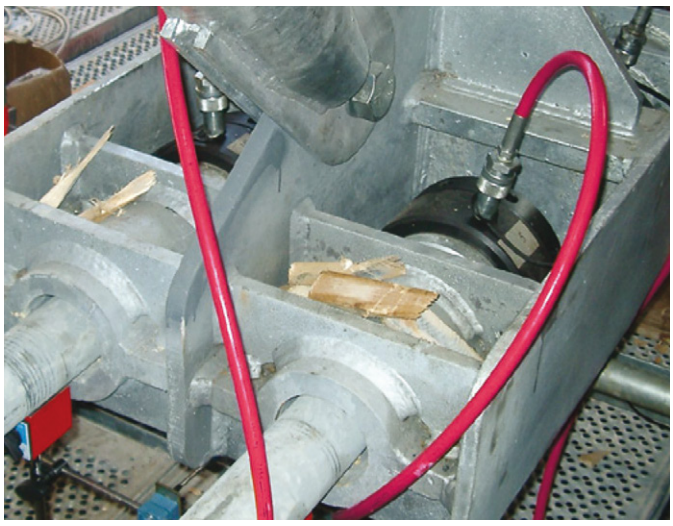
All tensioners are supplied with tommy bar to operate the threaded puller and the polygonal wrench.

The gas nitriding treatment (Nitreg) provided to all steel of EUROPRESS products makes them particularly fit for working outside or in aggressive locations, thanks to their high resistance to corrosion.

OPERATIONAL AREAS

The big advantage of tensioning is given by the fact that it is possible to charge in advance a tie rod with the required load in an extremely precise manner, thus avoiding the force losses due to the frictions of the traditional torque tightening.

Their great facility of use, the possibility to save time and staff and their precision are all factors that make this technique particularly useful in those sectors where a perfect coupling or flange tightness is essential for the safety of people and machinery. In particular in the industrial and oil sectors and in all situations where it is necessary to tighten with extreme accuracy nuts or threaded tie rods. They are widely used to tighten valves, pumps, heat exchangers, flanges, etc.



The tensioner maximum capacity refers to its maximum working pressure; for smaller loads reduce the pressure in a proportional way.

If you use a tensioning system where you choose to tension in various steps (50%, 33% or even 25% of the points) for space reasons, take care to alternate the tensioners and to locate them in opposite positions.

To operate in complete safety be careful that the threaded screw sticks out of the nut at least as much as the measure of the external diameter of the tensioner.