Traction / compression test bench 2000 kN

MAIN FUNCTIONS
The hydraulic traction/compression test bench allows to carry out tensile and compression tests for products of high length (extension 3,000 mm) and high resistance (max. force 2,000 kN) at a regulated and servo-controlled speed.

Automatic test functions:
- High speed approach and automatic contact detection
- Test at regulated speed in compression or traction
- Stop in force or position
- Tests cycling

APPLICATIONS

SHOCK ABSORBERS
Possibility to test all types of absorbers (hydraulic, motorcycles, trains, etc.).

HYDRAULIC JACKS
Characterization of the force/displacement performance of hydraulic jacks.

ELECTRIC CABLES
Test of tension/compression resistance off the the electric cables.

TECHNICAL CHARACTERISTICS
- Max. compression force (rod output): 2,000 kN
- Max. traction force (sensor limit): 1,300 kN
- Extension: 3,000 mm
- Max. no-load speed: 1100 mm/min
- Jack diameter: 300 mm
- Rod diameter: 160 mm

OPTION
- Measurement analysis software and automatic reporting

TESTS ACCORDING TO STANDARDS:
NF EN ISO ASTM

ADVANTAGES
- Ease of installation with adjustable automatic height brackets.
- The speed is regulated according to configurable cycles.
- The operator is protected by a reinforced sliding cover.
- Sliding control panel, always close to the test area.

OPERATING PROCEDURE
- Automatic adjustment of the supports height according to the dimensions of the product to be tested
- Automatic feed at high speed until automatic contact detection
- Cycle(s) of automatic loading in compression/traction in accordance with configurable program sheets
- Editing of automatic reports

EASE OF INSTALLATION
REGULATED SPEED
OPERATOR SAFETY
ERGONOMICS