

Test Stand For Screwjack And Bevel Gear Boxes

>TSC1E<



Developed for testing of EUROFIGHTER Screwjacks and Bevel Gear Boxes to the parameters like force, torque, speed, stroke etc.

- > Hydraulic supply with pressure-, quantity- and temperature controllable medium. (MIL-H-5606)
- > Emergency power supply to protect the computer system in case of mains failure.
- > Automatic control of the complex test runs and display of all necessary measuring parameters (torque, force, speed, pressure, temperature, etc.) on the monitor.

GENERAL INFORMATION

- > Ergonomic design
- > Recording and processing of the measurements

TECHNICAL DATA

<p>> Electrical supply:</p> <p><u>Supply voltage for the test stand:</u></p> <p>Mains supply: 3/N/PE AC 50Hz 400V Nominal current: 170A Nominal power: 118kVA</p>	<p>> Measurement range:</p> <p><u>Angle:</u> Range: $\pm 360^\circ$ Accuracy: 0.1°</p> <p><u>Speed:</u> Range: 0 to 3,000rpm Accuracy: ± 1rpm</p> <p><u>Torque:</u> Range: ± 200Nm Accuracy: Kl. 0.5</p> <p><u>Pressure:</u> Range: 0 to 400bar Accuracy: Kl. 1</p> <p><u>Temperature:</u> Range: 0 to 200°C Accuracy: $\pm 1^\circ\text{C}$ +sensor tolerance</p> <p><u>Force:</u> Range: ± 50kN Accuracy: Kl. 0.2</p> <p><u>Stroke:</u> Range: 0 to 1,000mm Accuracy: $\pm 40\mu\text{m}$</p>
<p>> Hydraulic supply:</p> <p>Tank: approx. 28l</p> <p>Combination of pumps: $P_{\text{Nom.}} = 210\text{bar}$ $P_{\text{max.}} = 350\text{bar}$</p>	
<p>> Main circuits:</p> <p>Hydraulic supply for the cooling and high pressure circuit</p> <p>Test circuit for "Screwjacks"</p> <p>Test circuit for "Bevel Gear Boxes"</p>	

OPTIONS

A wide range of options is available to fulfil our customers' requirements.