

Test Stand for Linear Actuators

>PLA1B<



The test stand for linear actuators (PLA1B) serves for testing Tornado and Eurofighter components which can be tested on a linear unit (125kN) or on the test bench. Characteristics such as force, stroke, flow volume, leakage and temperature can be tested. In addition, proximity switches, a rather small mobile linear unit (25kN) and further measuring instruments are available.

- > The test stand consists of two separate test places and an operation system, a hydraulic power unit and an uninterruptible emergency power supply.
- > Emergency power supply to protect the computer system in case of power failure.
- > Hydraulic power unit with pressure and temperature controlled medium (MIL-H-5606).
- > Display of all necessary measuring parameters (rotational speed, torque, pressure, temperature etc.) on the monitor by means of the TEST-FUCHS Intelligent Software.

FURTHER INFORMATION

- > The test runs can be carried out fully automatically, semi-automatically or manually.
- > Ergonomic design
- > Registration of the measurements and further processing at discretion

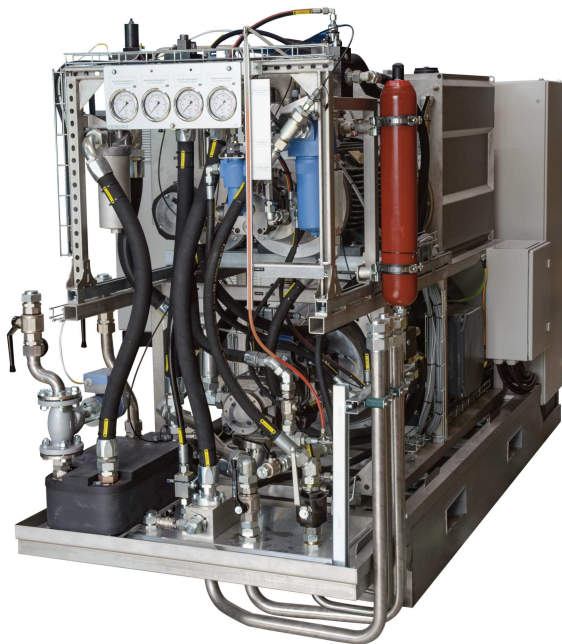
TECHNICAL DATA

> Test Place Non Rotating:

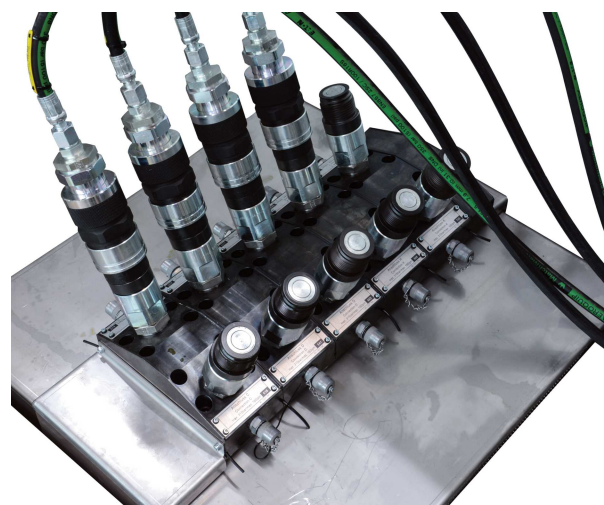
- 8 terminal connection block
- Outlets: A - H: max. 315bar, max. 160l/min
- Measuring circuit 1: max. 160l/min at max. 315bar
- Measuring circuit 2: max. 160l/min at max. 315bar
- Measuring circuit 3: max. 4l/min at max. 315bar
- Flow volume measurement cylinder max. 160l/min at max. 315bar
- Compressed air outlet: 0,2 – 10bar
- Nitrogen outlet: High pressure, low pressure
- Freely connectable pressure transducers and pressure gauges

> Test Place Load Unit:

- 4 terminal connection block
- Leakage measurement circuit
- Horizontal load unit 125kN with 500mm of stroke and 200mm/s
- Displaceable counter bearing (2300mm) and load free stroke measurement
- Freely connectable pressure transducers and pressure gauges



DHA40-40



connection block

TECHNICAL DATA

> Hydraulic Supply DHA40-40:

- Low pressure outlet (LP1): max. 22bar, max. 230l/min
- High pressure outlet (HP1): max. 315bar, max. 160l/min
- Control pressure outlet: max. 350bar, max. 30l/min
- Static high pressure outlet 1: max. 560bar, max. 10l/min

> Electric Power Supply:

Test stand

- Main supply: 3/N/PE AC 50Hz 400V
- Nominal current: 28A
- Power consumption: 14kVA

Hydraulic supply DHA40-40

- Main supply: 3/N/PE AC 50Hz 400V
- Nominal current: 303A
- Power consumption: 210kVA

> Electrical Measurement Devices:

- Constant DC signal
- Digital multimeter
- Isolation test device
- Oscilloscope
- Frequency analyzer
- High voltage matrix
- EAC (Tornado drive)
- High voltage test device
- Mass connection test device

> Dimensions and Weight:

Test place non rotating

- Length: 3,147mm (123.9in)
- Width: 1,528mm (60.2in)
- Height: 2,641mm (103.9in)
- Weight: app. 4,500kg (9.921lb)

Test place load unit

- Length: 5,400mm (212.6in)
- Width: 1,146mm (45.1in)
- Height: 2,315mm (91.1in)
- Weight: app. 3,000kg (6,614lb)

Hydraulic supply DHA40-40

- Length: 3,240mm (127.6in)
- Width: 1,200mm (47.2in)
- Height: 2,030mm (79.9in)
- Weight: ca. 2,400kg (5,291lb)

OPTIONS

Diverse options are available to customize the equipment at discretion.