

Test stand for rescue winches

>PWP2<



Rescue winch in action

The test stand is developed for testing rescue winches, e.g. "Type Breeze Eastern of the helicopter series BO105" and "Type Lucas/Goodrich of the helicopter series BK117", for their characteristics such as traction, cable speed, cable linear travel and for current consumption;

It can also be adapted for other types of rescue winches and helicopters.

- > Test data:
 - Loading up to 680kg (1500lb)
 - Speed up to 1.3m/s (4.265ft/s)
- > The equipment simulates load and hook.
- > A cable length of max. 100m (328ft) can be tested.
- > The boom is tested in accordance with the manufacturer's test procedures.
- > The test stand is operated by an SPS touch screen as well as by remote control.

GENERAL INFORMATION

- > The winch is attached to the test stand using the original helicopter mountings and an adapter capable of being used for different winch types
- > The drive and the automatic feed of the loading drum are ensured by a servo motor and reduction gear unit
- > Testing is carried out using the touch screen or by the original remote control unit
- > The tests are carried out in accordance with the manufacturer's test procedures

TECHNICAL DATA

> Mains supply:

Mains connection: 3/N/PE AC 50Hz 400V
 Nominal current: 18A
 Power: 12.5kVA
 Back-up fuse: 63A

> Dimensions and weight:

Length: approx. 3.300mm (2.9ft)
 Width: approx. 1.850mm (3.1ft)
 Height: approx. 2.600mm (6.2ft)
 (measured above the fan)
 Weight: approx. 2.000kg (1213lb)

> Ambient conditions:

Altitude of site: max. 1.000m
 (3280ft) above sea level
 Operating temperature: +5°C to +35°C
 (+41°F to 95°F)
 Storage temperature: 0°C to +60°C
 (+32°F to 140°F)
 Humidity: 10 to 95%

> Measurement parameters:

Loading: 0 to 10.000N ±16N
 (0 to 2.248lbf ±3.6lbf)
 Stroke: 0 to 190mm ±0.5mm
 (0 to 0.62ft ±0.0016ft)
 0 to 100 m ±65mm
 (0 to 5.15ft ±0.00328ft)
 Current: 0 to ±400ADC
 ±0.2% of full scale
 0 to ±150 ADC
 ±0.2% of full scale
 Voltage: 0 to 30 VDC
 ±0.5% of full scale
 Ambient temp.: -20°C to 80°C ±1K
 (-4°F to 176°F)
 Humidity: 0 to 100% rel. hum. ±5%



Winch with adaption and cooling



Driven hoisting drum

Technical data are subject to change!