

10-536 Brugger Lubricant Tester – Friction and Wear

Standards

Brugger - DIN 51347



Application

This device can be utilised to determine the load capacity of lubricants in the range of mixed and boundary friction.

Features

For maximum comfort, the device has an integrated pneumatic system which automatically lowers and lifts the test weight, creating a fully automated and more precise test procedure. The lubricant tester is also equipped with a touch panel, allowing the user to display test requirements and create custom test parameters if desired.

Test parameters

Slip ring	Ø25 mm
Test roll	Ø18 mm
Rotational speed	960 min ⁻¹
Sliding speed	1,2 m/s
Load	400 N
End condition	After 30 s



Dimensions and Connection

Dimensions (WxDxH)	650 mm x 650 mm x 350 mm
Weight	~ 60 kg
Mains	230 V / 50 Hz or 115 V / 60 Hz available
Power	1000 VA
Air	pressurized air (6-8 bar)

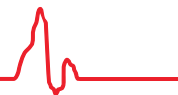
Device configuration

incl.	Item no.	Description
-	10-536-201	Brugger Lubricant Tester – Friction and Wear – 115V
-	10-536-200	Brugger Lubricant Tester – Friction and Wear – 230V

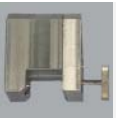
Device accessories

The following items are necessary accessories/tools required for conducting tests with the main unit:

	Item no.	Description
	9-914-015	Dial gauge for checking the concentricity of the slip ring
	10-536-006	Spanner (16 mm wrench size, 230 mm length)
	7-111-006	5 mm Allen key



Brugger accessories

	9-914-011	Test weight for applying the load (400 N)
	9-914-008	Holder for test roll (Ø18 mm)
	10-536-107	Adapter for slip ring (Ø25 mm)
	10-536-108	Adapter counter piece for clamping slip ring in place (Ø25 mm)

Expendable items / additional accessories

The following items are expendable items required for testing.

	Item no.	Description
	10-506-003	Slip ring, Ø25 mm for Brugger
	10-506-004	Test roll, Ø18 mm for Brugger
	9-914-025	Slip Ring removal tool
	10-506-005	Abrasive file for Brugger slip ring
	10-506-006	10 ml measuring beaker for test substance (Brugger)