

BEARING GREASE TESTERS

19400-3 SETA ROLL STABILITY TESTER

ASTM D1831; MIL-G-10924

- 10 rev/min and 165 rev/min
- Air bath temperature range ambient to 150°C
- Integral timer
- Four test cylinder capacity

The Seta Roll Stability Tester simulates the effect of squeezing grease between the rollers and the outer race of a roller bearing.

Up to four test cylinders, each containing a heavy roller, is loaded with the sample grease and placed horizontally upon a set of drive wheels that rotate the cylinders at either 10 or 165 rev/min. A digitally controlled fan assisted air bath provides evenly distributed heating up to 150°C, and an integral timer is used to set the test duration.



CALIBRATION & VERIFICATION MATERIALS



SETAPLUS EXTENDED WARRANTY AVAILABLE

SPECIFICATIONS

Bearing rotational speed:	10 or 165 rev/min
Temperature range:	Ambient to 150°C
Voltage:	110/120V or 220/240V, 50/60Hz (switchable)
Power:	1.4kW
Size (HxWxD):	64 x 64 x 41cm
Weight:	45kg



19400-3

SUPPLIED WITH: mains lead and instruction manual.

ACCESSORIES - Roll Stability Tester

REQUIRED

19401-0	THERMOMETER AND COLLAR ASSEMBLY
19420-0	CYLINDER, mild steel, with threaded end cap and smooth finished interiors.
19430-0	ROLLER, 5kg ±50g, for use in Seta 19420-0 (one required for each cylinder).

OPTIONAL

99100-2	ANALYTICAL BALANCE, (for details see page 141).
45001-0	SETAPLUS EXTENDED 12 MONTH WARRANTY

CALIBRATION, VERIFICATION & TRAINING

99927-0	DIGITAL THERMOMETER WITH INTERCHANGEABLE PROBES, (for details see page 130).
99960-0	DIGITAL PHOTO TACHOMETER, (for details see page 147).

Note: Other items which may be required include: Solvent

19610-4 SETA WATER WASHOUT TESTER

ASTM D1264; IP 215; ISO 11009; DIN 51 807; FTM 791 3252

- Bearing speed and water flow fine adjustment
- Jet bypass switch for pre-heat re-circulation
- Easy access drain valve

The test bearing is mounted on a hub, and rotated by an electric motor and toothed belt at 600 rev/min. A peristaltic pump draws heated water from the tank, through a filter, and sprays it, via a 1mm capillary, onto the face of the bearing at a rate of 300ml/min. The temperature of the water is digitally controlled in the range of ambient to 80°C. The water containing washed out grease is collected in the tank, filtered and recycled. A drain tap allows the tank to be emptied at the end of test.

The front panel has controls for water temperature, fine adjustment of water flow rate and bearing rotational speed, and a jet bypass switch to allow pre-heated water to circulate without passing through the jet.

SUPPLIED WITH: a test bearing for laboratory commissioning, 5/32 inch and 2.5mm Allen key screwdrivers, and instruction manual.



CALIBRATION & VERIFICATION MATERIALS



SETAPLUS EXTENDED WARRANTY AVAILABLE

SPECIFICATIONS

Bearing rotational speed:	600 ±30 rev/min
Tank capacity:	750ml
Temperature range:	Ambient to 80°C
Water flowrate:	5ml/sec
Voltage:	110/120V or 220/240V, 50/60Hz (switchable)
Power:	600W
Size (HxWxD):	30 x 40 x 40cm
Weight:	24kg



19610-4

ACCESSORIES - Water Washout Tester

REQUIRED

19620-0	TEST BALL BEARINGS, pack of 5.
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THERMOMETERS:
ASTM34C/IP21C

OPTIONAL

99100-2	ANALYTICAL BALANCE, (for details see page 141).
45000-0	SETAPLUS EXTENDED 12 MONTH WARRANTY

CALIBRATION, VERIFICATION & TRAINING

22161-0	RECEIVER, 200ml, graduated, parallel, pack of 3.
22750-2	DIGITAL STOPWATCH, (for details see page 141).
99927-0	DIGITAL THERMOMETER WITH INTERCHANGEABLE PROBES, (for details see page 130).
99960-0	DIGITAL PHOTO TACHOMETER, (for details see page 147).

CONSUMABLES - Water Washout Tester

2 Years/2000 Tests	Qty
19610-201 DRIVE BELT	1
19610-206 TUBING	2m