CIRCULAR SCRUB TESTER (SCHOPPER system)

for testing the abrasion resistance of textile fabrics (woven fabrics, knitted fabrics etc.) in accordance with DIN 53863, Part 2, GME Standard 60345, GMW Standard 3283 and VW/Audi central standard PV 3908.

Test procedure:
An important type of stress that determines serviceability and durability
durability is the abrasion test. The
principle of operation is that a friction body produces a
effect in a tangential direction on the rotating specimen.
rotating specimen.

Design:
Sturdy, closed design. The device consists of the
clamping device with obtuse-angled cone of the clamping head
the clamping head, the clamping plate for mounting the
friction body and the control and drive unit. All
operating elements are clearly arranged and easily
accessible. For preparation and easy clamping of the specimens
samples, a ring wrench with setting gauge is used to check the
the arching height influencing the fabric tension. The sample performs
rotational movement and lies against the flat surface of the friction
surface so that every point of the approximately 50 cm² test surface is
test surface is rubbed evenly and periodically.

Operating principle:
The device is operated using a touch screen display.
The control of the test process is designed for manual and automatic operation. After every 100 scrubbing revolutions, the gearbox is automatically switched off and can be restarted manually while simultaneously changing the direction of rotation.

Weight per unit area of the sample (g/m²) Contact pressure of the clamping head (N)

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up to 100 1.0
over 100 up to 150 2.0
over 150 up to 300 5.0
over 300 10.0

Technical data:
Drive with three-phase motor: 230/380 V, 50 Hz.
Rotation speed of the clamping head: 78 ± 5 rpm.
Weight: net 40 kg, gross approx. 90 kg

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