

TXL-KMS-036 / 27 October 2026 · One-year manufacturer warranty

Steaming Cylinder

Determines the shrinkage of stress-free fabric specimens subjected to steam in a closed chamber. It has an automatic timer, a stainless steel fabric support and four specimen injectors. Shrinkage percentage is determined from a 250 mm pre-test marking.



Model technical data

1	Determines the shrinkage of stress-free fabric specimens subjected to steam in a closed chamber.
2	It has an automatic timer, a stainless steel fabric support and four specimen injectors.
3	The shrinkage percentage is determined by marking the fabric on a 250 mm bench before the test.

Physical specifications and utilities

Electrical supply	Approx. 220–240 V AC, 50/60 Hz, single phase; build-dependent.
Power / connected load	Approx. 3–4 kW with integral steam generator; auxiliary load Approx. 50–200 W for externally supplied steam option.
Overall instrument dimensions	Approx. 600 × 450 × 650 mm (W × D × H).
Instrument weight	Approx. 25–60 kg net.
Gross / shipping weight	Approx. 52.5–100 kg gross; estimated packing allowance.
Lab requirements	Suitable water feed, drain and steam exhaust; external steam depends on generator option.

Dimension order and approximate values are stated in each row. Packaging data are separate from instrument dimensions and net mass. Approx. rows are preliminary engineering estimates based on comparable equipment and function/capacity; they are not verified manufacturing measurements or standard requirements. Installation and shipment are finalised against the approved drawing and nameplate. Estimate scope: base product / one unit; external computer, bench and auxiliary plant excluded.

Specifications, dimensions, and power requirements are approximate and subject to change without prior notice for continuous design improvements.

Product technical specifications and images may vary according to manufacturing conditions and applicable standards.

Test and configuration

Measured output / function	Dimensional change after free steaming (%)
Parameters selected for the method	Marking length, steaming and recovery time
Verification points	Marking scale, steam conditions and timer

Control and recording specification

Method-specific software and recording requirements follow. Delivered software modules are defined by the order scope.

- Method code and edition, specimen ID, operator and selected test parameters are linked to the record.
- Dimensional change (%) = $100 \times (\text{final} - \text{initial dimension}) / \text{initial dimension}$; direction and sign convention are stated in the report.
- Raw measurements, units, valid/invalid test flags and the reported result remain traceable.
- Calculations are checked against known inputs and an independent calculation; sensor channels are checked against calibration values.

Related test methods

ISO 3005 · BS 4323 · M&S P8 · NEXT TM 15

Listed methods are application references. Suitability is established by assessing hardware, method edition and calibration together.

Test parameters for the reviewed method

The values below were reviewed in selected clauses of the stated source edition. They are not a declaration of equivalence to a later edition or independent instrument verification.

M&S P8:2001-09 / Apparatus, Method, Results

1	WIRA steaming stability: four specimens with 250 mm gauge marks; steam 30 s, rest on frame 60 s and flat 60 s. Average two results per direction to 0.1%; record shrinkage negative and extension positive.
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ISO 3005:1978 (French edition) / 4.4, 6

1	Reviewed clause 4.4: nominal steam supply 70 g/min. Clause 6: specimens 300 × 50 mm, gauge marks 250 mm apart; four per direction unless agreed otherwise. Carrier and cylinder geometry are specified separately.
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BS 4323:1979 — Annex A only / Annex A

1	Annex A: four equally spaced layers; carrier 300 × 50 × 75 mm. Stainless tubing diameter 1.8 mm; support wire 0.15 mm. These are carrier dimensions, not equipment dimensions. Annex B cylinder details are specified separately.
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