

INTERNATIONAL
STANDARD

ISO
10459

First edition
1992-12-15

**Textile machinery — Dyeing and finishing
machines — Designation of operating
ranges of component parts**

*Matériel pour l'industrie textile — Matériel de teinture et de finissage —
Désignations pour des gammes d'opérations pour éléments de machine*



Reference number
ISO 10459:1992(E)

ISO 10459:1992(E)**Foreword**

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International Standard ISO 10459 was prepared by Technical Committee ISO/TC 72, *Textile machinery and allied machinery and accessories*, Sub-Committee SC 4, *Dyeing, finishing and allied machinery and accessories*.

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International Organization for Standardization
Case Postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

Textile machinery — Dyeing and finishing machines — Designation of operating ranges of component parts

1 Scope

This Standard gives designations for the recommended operating ranges for component parts of dyeing and finishing machines. The parts covered are those which operate under dry or wet conditions or in steam, and which either come into contact with the fabric or are positioned within 100 mm of the fabric.

2 Operating ranges

See table 1.

Table 1

Operating range		Moisture content of fabric %	Relative humidity of ambient air %	Ambient temperature °C	pH range
Term	Designation				
Dry range	A	1	< 20	< 80	≤ 60
		2			
Wet range	B	1	> 20	> 40	< 60
		2			
Steam range	C	1	> 20	> 80	> 95
		2			

NOTE — For operating ranges which are not specified, special arrangements should be agreed between manufacturer and user of component parts.

- 1) Neutral range.
- 2) Acid and lye range.

ISO 10459:1992(E)**3 Designation**

The designation of the operating range for a component part of a dyeing and finishing machine shall include the following information in the order given:

- a) "operating range";
- b) reference to this international Standard (i.e. ISO 10459);
- c) code designation.

EXAMPLE

Designation for a wet operating range with code B2:

Operating range ISO 10459 - B2

4 Marking

The component part should be marked with the reference to this International Standard and the code designation specified in clause 2.

EXAMPLE

ISO 10459 - B2

ISO 10459:1992(E)

UDC 677.057:621.81:003.62

Descriptors: textile machinery, textile finishing, dyeing equipment, machine components, working range, designation.

Price based on 2 pages
