

# INTERNATIONAL STANDARD

# ISO 4602

Second edition  
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## Reinforcements — Woven fabrics — Determination of number of yarns per unit length of warp and weft

*Renforts — Tissus — Détermination du compte de fils de chaîne et de  
duites par unité de longueur*



Reference number  
ISO 4602:1997(E)

## Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 4602 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 13, *Composites and reinforcement fibres*.

This second edition cancels and replaces the first edition (ISO 4602:1978), which has been technically revised.

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# Reinforcements – Woven fabrics – Determination of number of yarns per unit length of warp and weft

## 1 SCOPE

This International Standard specifies a method of determining the number of yarns per unit length of warp and weft of woven textile reinforcement fabrics made of glass, carbon, aramid or any other reinforcement fibre.

## 2 PRINCIPLE

The number of yarns in the warp and in the weft are counted over a given distance using a suitable yarn-counting device.

## 3 APPARATUS

**3.1 Rule**, graduated in millimetres.

**3.2 Yarn-counting device**: any suitable magnifying device ranging from a counting glass (see figure 1) to a traversing microscope.

**3.3 Suitable needle**, if required, for separating the yarns.

## 4 TEST SPECIMEN

**4.1** Measurements shall be taken on areas free from creases or deformation.

**4.2** The measurements may be taken as follows:

- either on the entire fabric;
- or on a strip of fabric at least 600 mm wide taken from the entire width of the fabric.