

# ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

## ISO RECOMMENDATION R 477

CONE WINDERS OR CHEESE WINDERS

TERMINOLOGY  
BASIC TERMS AND DEFINITIONS

1st EDITION  
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## BRIEF HISTORY

The ISO Recommendation R 477, *Cone Winders or Cheese Winders — Terminology — Basic Terms and Definitions*, was drawn up by Technical Committee ISO/TC 72, *Textile Machinery and Accessories*, the Secretariat of which is held by the Association Suisse de Normalisation (SNV).

Work on this question by the Technical Committee began in 1955 and led, in 1962, to the adoption of a Draft ISO Recommendation.

In October 1963, this Draft ISO Recommendation (No. 632) was circulated to all the ISO Member Bodies for enquiry. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies:

Argentina	India	Switzerland
Austria	Italy	Turkey
Chile	Japan	U.A.R.
Czechoslovakia	Korea, Rep. of	United Kingdom
France	Netherlands	U.S.S.R.
Germany	New Zealand	Yugoslavia
Greece	Poland	
Hungary	Spain	

No Member Body opposed the approval of the Draft.

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council which decided, in March 1966, to accept it as an ISO RECOMMENDATION.

## CONE WINDERS OR CHEESE WINDERS

### TERMINOLOGY

#### BASIC TERMS AND DEFINITIONS

1. *Cone winder or cheese winder.* Machine for winding yarn into cones or cheeses.
  - 1.1 *Non-automatic cone winder or non-automatic cheese winder.* Winder in which the supply packages are replenished and the yarn ends are joined by hand. (The qualification "non-automatic" is usually omitted in practice.)
  - 1.2 *Automatic cone winder or automatic cheese winder.* Winder in which the supply yarn is automatically tied in to the partially wound package and, in some cases, the supply packages are automatically fed to the winding element.
2. *Drive of packages.* Device for rotation of cones or cheeses.
  - 2.1 *Surface drive.* Method of driving a package at its circumference.
  - 2.2 *Direct drive.* Method of driving a package by directly rotating the holder.
3. *Holder.* Device for holding the rotating cone or cheese being wound. It may be a spindle or a device gripping the tubes or cones at both ends.
4. *Yarn guide.* Device for guiding the yarn being wound.
5. *Anti-patterning device.* Device for the prevention of unwanted ribboning during the winding of cheeses or cones.\*
6. *Diameter indicator.* Device for indicating when the wound package has reached the desired diameter.
7. *Yarn tension device.* Device for imparting tension to the yarn and for adjusting the tension during winding.
8. *Yarn clearer.* Device for detecting and generally eliminating yarn faults during the winding process.
9. *Stop motion.* Device for stopping the rotation of cones or cheeses in case of yarn failure.
  - 9.1 *Yarn detector.* Part of the stop motion for detecting that the yarn is missing.

\* "Ribboning" is an undesirable form of winding in which the threads of successive corresponding yarn layers are wound close to and on top of each other.