

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 476

PIRN WINDERS
TERMINOLOGY
BASIC TERMS AND DEFINITIONS

1st EDITION
March 1966

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BRIEF HISTORY

The ISO Recommendation R 476, *Pirn 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 Draft ISO Recommendation.

In October 1963, this Draft ISO Recommendation (No. 631) 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.

PIRN WINDERS

TERMINOLOGY

BASIC TERMS AND DEFINITIONS

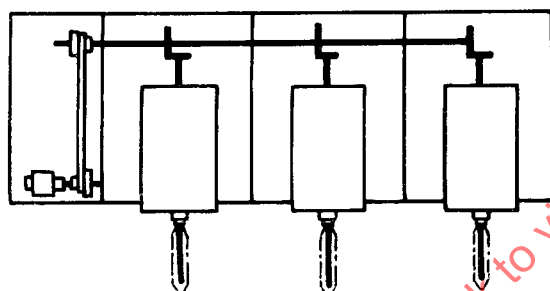
1. *Pirn winder.* A machine for winding yarn on to pirns for use as weft. It comprises a driving mechanism and winding elements.

1.1 *Non-automatic pirn winder.* Pirn winder in which the pirns are doffed and donned by hand. (The qualification "non-automatic" is usually omitted in practice.)

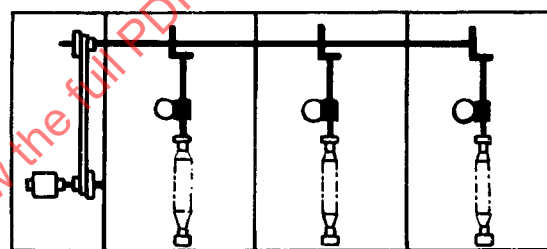
1.2 *Automatic pirn winder.* Pirn winder in which the pirns are doffed and donned automatically.

2. *Winding head*

2.1 *with one pirn holder.* Element for winding one pirn at a time:

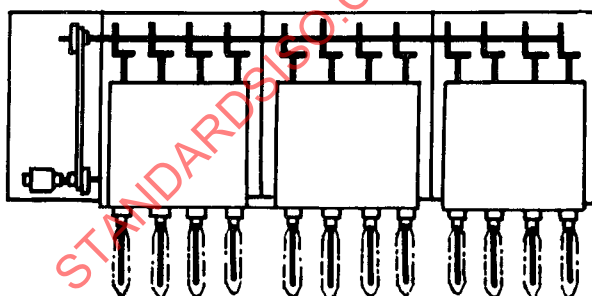


with spindle

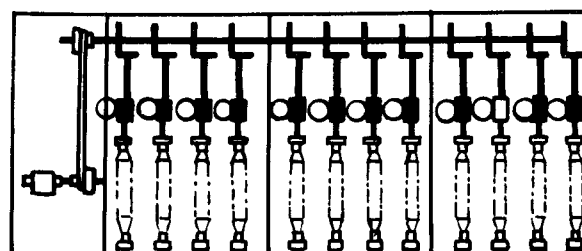


spindleless

2.2 *with several pirn holders.* Element for winding two or more pirns simultaneously:



with spindle



spindleless

3. *Pirn holder.* Device for holding the pirn being wound. It may be a spindle or a device for gripping the pirn at both ends (known as a "spindleless holder").

4. *Changing of pirns*

4.1 *Doffing.* Removing a full pirn from the winder.

4.2 *Donning.* Inserting the empty pirns into the winder and joining the yarn ends.