

Annex

*Replaced by R 1144
9.V*

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

**ISO RECOMMENDATION
R 138**

**TEXTILES
UNIVERSAL YARN COUNT SYSTEM**
(standards.iteh.ai)

ISO/R 138:1960
<https://standards.iteh.ai/catalog/standards/sist/21422bcc-25ab-4d42-8606-6ebc13a04294/iso-r-138-1960>
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BRIEF HISTORY

The ISO Recommendation R 138, *Universal Yarn Count System*, was drawn up by Technical Committee ISO/TC 38, *Textiles*, the Secretariat of which is held by the British Standards Institution (B.S.I.).

The advantages of a universal system of designating the linear density of fibres, yarns and other textile products were recognized at the first meeting of ISO/TC 38, held in Buxton, in June 1948. The principles on which such a system should preferably be based were generally accepted.

After a further discussion at the second meeting held in Bournemouth, in June 1951, these principles were re-affirmed but two basic units were recognized, namely: gramme per kilometre and gramme per ten kilometres.

At the third meeting, held in Southport, in May 1956, there was general agreement that the existence of two basic units had militated against the acceptance of a universal system as previously outlined. Unanimous agreement was then reached on a single basic unit (gramme per kilometre) to be designated as « tex ». This advance made it possible to adopt the definitive text as a Draft ISO Recommendation. (standards.iteh.ai)

On 17 January 1958, the Draft ISO Recommendation (No. 210) was distributed to all the ISO Member Bodies and was approved by the following Member Bodies:

Australia	Hungary	Romania
Austria	India	Spain
Belgium	Ireland	Sweden
Burma	Israel	Switzerland
Canada	Italy	Turkey
Czechoslovakia	Japan	Union of South Africa
Denmark	Netherlands	United Kingdom
Finland	New Zealand	U.S.A.
France	Norway	U.S.S.R.
Germany	Poland	Yugoslavia

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 January 1960, to accept it as an ISO RECOMMENDATION.

TEXTILES

UNIVERSAL YARN COUNT SYSTEM

1. The universal yarn count system is a *direct* system; that is to say, it expresses the mass of a certain length of fibre, filament, yarn, cord or rope and not the length of a certain mass of the textile material.
2. The system is *decimal* and employs metric units.
3. The unit is the *gramme per kilometre*. The following multiple and sub-multiple are recommended for use in preference to other possible combinations:
 - (a) Milligramme per kilometre
 - (b) Kilogramme per kilometre (gramme per metre)
4. The system is known as the *Tex System* and the units are designated as follows:

Gramme per kilometre	tex
Milligramme per kilometre	millitex
Kilogramme per kilometre (gramme per metre)	kilotex

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