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**Fibre ropes — Polyamide — 3-, 4-, 8- and  
12-strand ropes**

*Cordages en fibres — Polyamide — Cordages à 3, 4, 8 et 12 torons*



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Published in Switzerland

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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 1140 was prepared by Technical Committee ISO/TC 38, *Textiles*.

This fourth edition cancels and replaces the third edition (ISO 1140:2004), which has been technically revised.

# Fibre ropes — Polyamide — 3-, 4-, 8- and 12-strand ropes

## 1 Scope

This International Standard specifies requirements for 3-strand hawser-laid and 4-strand shroud-laid ropes, 8-strand braided ropes and 12-strand braided ropes for general service made of polyamide, and gives rules for their designation.

## 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 1968, *Fibre ropes and cordage — Vocabulary*

ISO 2307, *Fibre ropes — Determination of certain physical and mechanical properties*

ISO 9554, *Fibre ropes — General specifications*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 1968 apply.

## 4 Designation

Fibre ropes shall be designated by

- the words “fibre rope”,
- the number of this International Standard,
- the construction or type of rope (see Clause 5),
- the reference number of the rope,
- the material from which the rope is made (the mixing of polyamide fibre types and grades shall not be permitted), and
- the type of stabilization (1 or 2 in accordance with ISO 9554).

Polyamide-laid ropes that are required to have a heat setting on the rope to ensure lay and dimensional stability are designated as type 1 ropes. In other cases, polyamide-laid ropes that are not required to have a heat setting on the rope are designated as type 2 ropes.

### EXAMPLE

Designation of a 3-strand hawser-laid rope heat set (type 1), reference number 20 (type A), corresponding to a linear density of 247 ktex and made of polyamide (PA):

Fibre rope ISO 1140 – A – 20 – PA – 1