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Steel wire ropes — Vocabulary, designation and classification

Câbles en acier — Vocabulaire, désignation et classification



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Contents

Page

Foreword	iv
Introduction	
1 Scope.	1
1 Scope	
3 Designation	
4 Classification	
Annex A (informative) Elements of a rope	
Annex B (informative) Designation system	
Alphabetical index	

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Foreword

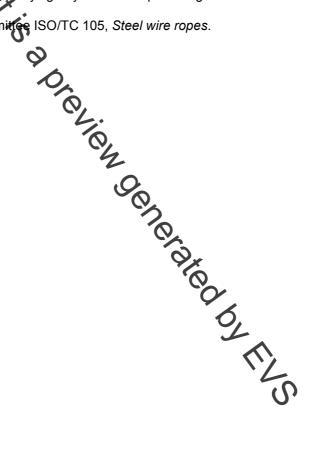
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ISO 17893 was prepared by Technical Committee ISO/TC 105, Steel wire ropes.



Introduction

This International standard was developed in response to a worldwide demand for a specification covering terms and definitions associated with the design, manufacture and testing of steel wire rope, for a designation system which would provide manufacturers, purchasers and end users with a common method of describing a rope, and for a classification system which would enable ropes of similar construction and mechanical properties to be grouped together.

The designation and classification systems established here can be used for designating and classifying any steel wire rope construction.

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Steel wire ropes — Vocabulary, designation and classification

1 Scope This International Standard defines terms, and specifies a designation system and a classification system, for steel wire ropes. 2 Terms and definitions For the purposes of this docum t, the following terms and definitions apply. Wires 2.1 2.1.1 **Outer wires** 2.1.1.1 outer wire (spiral rope) wire positioned in the outer lave a rope 2.1.1.2 outer wire (stranded rope) wire positioned in the outer layer of in the outer strands of a rope 2.1.2 Inner wires 2.1.2.1 inner wire (spiral rope) wire of the intermediate layers of a rope positioned between the centre wires and outer layer 2.1.2.2 inner wire (stranded rope) any wire of a rope other than its centre wires, filler wires core wires or outer wires 2.1.3 filler wire comparatively small wire used in filler constructions to fill up the interstices between layers of wires See Figure 8. Centre wires 2.1.4

2.1.4.1

centre wire $\langle \text{spiral rope} \rangle$ wire positioned at the centre of a rope

2.1.4.2

centre wire

 $\langle stranded \ rope \rangle$ wire positioned at the centre of the strands of a rope