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Steel wire ropes — Socketing procedures — Molten metal and resin socketing

*Câbles en acier — Procédés de manchonnage — Manchonnage à
l'aide de métal fondu et de résine*



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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 17558 was prepared by Technical Committee ISO/TC 105, *Steel wire ropes*.

This first edition of ISO 17558 cancels and replaces ISO 7595:1984 and ISO/TR 7596:1982, of which it constitutes a technical revision.

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Introduction

This International Standard was developed in response to a worldwide demand for a specification combining the procedures for the socketing of steel wire ropes by molten metal and resin. With an increasing use of resin as a socketing medium, opportunity was taken to review and update the requirements formerly given by ISO/TR 7596.

Each socket design should be used only with the appropriate method or methods of socketing which have been proven as being satisfactory by prototype testing.

Sockets, if properly attached to the wire rope, should sustain the full breaking force of the rope. This is important because accidental release of a load due to failure of a rope termination could create a hazard.