

Specification for Drilling and Production Hoisting Equipment (PSL 1 and PSL 2)

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Petroleum and natural gas industries—
Drilling and production equipment—
Hoisting equipment



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API FOREWORD

This standard is under the jurisdiction of the API Standards Subcommittee on Drilling Equipment and Structures. This API standard is a modified adoption of the English version of ISO 13535:2000. ISO 13535 was prepared by Technical Committee ISO/TC 67, *Materials, equipment and offshore structures for petroleum and natural gas industries, SC 4, Drilling and production equipment*.

In this standard certain modifications have been made. These technical deviations have been incorporated and are marked by a single bar in the margin. A complete list of modifications is given in Annex D. Editorial changes have also been incorporated into this document and are listed at the end of Annex D.

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International Standard ISO 13535 was prepared by Technical Committee ISO/TC 67, *Materials, equipment and offshore structures for petroleum and natural gas industries*, Subcommittee SC 4, *Drilling and production equipment*.

Annexes A and D form a normative part of this International Standard. Annexes B, C, and E are for information only.

ISO Introduction

This International Standard is based upon API Spec 8C [2], 3rd edition, December 1997.

Users of this International Standard should be aware that further or differing requirements may be needed for individual applications. This International Standard is not intended to inhibit a vendor from offering, or the purchaser from accepting, alternative equipment or engineering solutions for the individual application. This may be particularly applicable where there is innovative or developing technology. Where an alternative is offered, the vendor should identify any variations from this International Standard and provide details.

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Petroleum and natural gas industries — Drilling and production equipment — Hoisting equipment

1 Scope

This International Standard provides requirements for the design, manufacture and testing of hoisting equipment suitable for use in drilling and production operations.

This International Standard is applicable to the following drilling and production hoisting equipment:

- a) hoisting sheaves;
- b) travelling blocks and hook blocks;
- c) block-to-hook adapters;
- d) connectors and link adapters;
- e) drilling hooks;
- f) tubing hooks and sucker-rod hooks;
- g) elevator links;
- h) casing elevators, tubing elevators, drill-pipe elevators and drill-collar elevators;
- i) sucker-rod elevators;
- j) rotary swivel-bail adapters;
- k) rotary swivels;
- l) power swivels;
- m) power subs;
- n) spiders, if capable of being used as elevators;
- o) wire-line anchors;
- p) drill-string motion compensators;
- q) kelly spinners, if capable of being used as hoisting equipment;
- r) pressure vessels and piping mounted onto hoisting equipment;
- s) safety clamps, if capable of being used as hoisting equipment;

NOTE See Annex B for guidance on design of guide dollies.