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Road construction and maintenance equipment — Paver-finishers — Commercial specifications

Équipement pour la construction et l'entretien des routes — Finisseurs — Spécifications commerciales

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 195, *Building construction machinery and equipment*.

This second edition cancels and replaces the first edition (ISO 15878:2008), which has been technically revised. It also incorporates the Technical Corrigendum ISO 15878:2008/Cor 1:2008.

The main changes compared to the previous edition are as follows:

— clarification of the Scope;

— update of terminology to align with the state of the art;

— introducing definitions of different compaction types;

— combining the clauses ‘Operating principle’ and ‘Description of an asphalt paver’ into ‘Commercial specifications’.

Any feedback or questions on this document should be directed to the user’s national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

Paver-finishers are used in road construction and for maintenance to place and pre-compact paving materials using the floating/self-levelling screed method. The weight of the screed and its forward motion combined with additional vibrating and reciprocating elements are used to pre-compact the mixture to form a mat.

The design type of a paver-finisher is typically determined according to the following criteria.

— Type of tractor:

  — wheeled (see Figure A.1);

  — steel crawler-mounted with replaceable track plates (see Figure A.2);

  — rubber crawler-mounted (see Figure A.3).

— Method of mixture transfer from hopper to the screed:

  — by slat conveyor (see Figure A.4);

  — by screw conveyor (see Figure A.12);

  — by gravity.

— Screed type:

  — fixed width (see Figure A.4);

  — extendable (see Figure A.13).