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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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
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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).