

BS ISO 16039:2004+A1:2013



BSI Standards Publication

Road construction and maintenance equipment — Slipform pavers — Definitions and commercial specifications

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National foreword

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Foreword

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ISO 16039 was prepared by Technical Committee ISO/TC 195, *Building construction machinery and equipment*.

Introduction

This International Standard deals with slipform pavers for placing, compaction, forming and finishing cement concrete in roadway, street, airport construction and other structures of related design. This International Standard provides definition of equipment and technical characteristics of machinery as well. Enclosed figures explain performance of slipform pavers and their components.

Road construction and maintenance equipment — Slipform pavers — Definitions and commercial specifications

1 Scope

This International Standard establishes definitions, terminology and the content of commercial literature specifications for mobile, self-operating machines used for placing and finishing cement concrete, commonly called “slipform pavers”, which mould concrete in a plastic condition. It specifies the general machine configuration and the special equipment depending on the types of work to be executed. This work can be concrete roadways, road safety structures (barriers, walls, etc.), road drainage structures (edgings, gulleys, gutters, etc.) and airport paving (runways, taxiways, aprons, etc.).

The document does not apply to machines with non-travelling formwork fixed to the ground and to those construction works which require only a vertical progression.

2 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

2.1

slipform paver

mobile machine used for the purpose of applying layers of construction material such as cement concrete on surfaces, or for constructing profiled structures

2.2

mould

element which gives to the concrete the shape desired for the construction work, in particular its transverse cross-section

NOTE The following moulds are typically used by slipform pavers:

- barrier mould;
- curb and gutter mould;
- parapet mould;
- glare-screen mould;
- variable-height median-barrier mould;
- pavement mould;
- canal-ditch mould.

2.3

mounted mould

element which gives to the concrete the shape, entirely supported by the machine frame

NOTE The following mounted mould types can be identified:

- center mounted: the mounting of the slipform mould between the tracks of the machine, also known as straddle;
- side mounted: the mounting of the slipform mould on the outside of the machine frame.