
**Building construction machinery and
equipment — Internal vibrators for
concrete —**

Part 1:
**Terminology and commercial
specifications**

*Machines et matériels pour la construction des bâtiments — Vibrateurs
internes pour le béton —*

Partie 1: Terminologie et spécifications commerciales



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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.

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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.

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ISO 18651-1 was prepared by Technical Committee ISO/TC 195, *Building construction machinery and equipment*, Subcommittee SC 1, *Machinery and equipment for concrete work*.

ISO 18651 consists of the following parts, under the general title *Building construction machinery and equipment — Internal vibrators for concrete*:

— *Part 1: Terminology and commercial specifications*

Building construction machinery and equipment — Internal vibrators for concrete —

Part 1: Terminology and commercial specifications

1 Scope

This part of ISO 18651 specifies the terminology and gives commercial specifications for internal vibrators used for concrete mix compaction.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 11375, *Building construction machinery and equipment — Terms and definitions*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 11375 and the following apply.

3.1

immersion vibrator with flexible drive

vibrator with drive transmission from prime mover to vibration head in the form of a flexible drive shaft

NOTE The drive shaft may be enclosed within an outer sheath to permit handling during use.

3.1.1

electric immersion vibrator with flexible drive

vibrator in which the drive for the vibration generator is composed of an electric motor with a flexible drive shaft to the vibration unit

NOTE 1 The drive shaft may be enclosed within an outer sheath to permit handling during use.

NOTE 2 For an example, see Figure A.8.

3.1.2

combustion engine immersion vibrator with flexible drive

vibrator in which the drive for the vibration generator is composed of an internal combustion engine with a flexible drive shaft to the vibration unit

NOTE For an example, see Figure A.9.