Draft for Public Comment

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Responsible committee: B/513 Construction equipment and plant and site safety

Interested committees:

Title: Draft BS ISO 18651-1 BS ISO 18651 Building construction machinery and equipment- Internal vibrators for concrete - Vocabulary and commercial specifications.

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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

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UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

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Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx

1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex **(e.g. 3.1)**	Paragraph/ Figure/Table/Note	**Type of comment**	**Commend (justification for change) by the MB**	**Proposed change by the MB**	**Secretariat observations on each comment submitted**
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	

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DRAFT International Standard

ISO/DIS 18651

Building construction machinery and equipment — Internal vibrators for concrete — Vocabulary and commercial specifications

ICS: 91.220; 01.040.91

ISO/TC **195**/SC **1**

Secretariat: **JISC**

Voting begins on:
2025-04-02

Voting terminates on:
2025-06-25

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

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Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO/DIS 18651 was prepared by Technical Committee ISO/TC 195, *Building construction machinery and equipment*, Subcommittee SC 1, *Machinery and equipment for concrete work, WG 10, Internal vibrator for concrete*.

This second edition cancels and replaces the first edition.

— changed Title from “ISO 18651-1” to “ISO 18651” and eliminated “-Part 1”

— changed Scope from “This part of ISO 18651 specifies the terminology and gives commercial specifications for internal vibrators” to “ISO 18651 defines vocabulary and provides commercial specifications for internal vibrators used for compacting uncured concrete mix”

— modified the first sentence of Normative references from “The following referenced documents are indispensable for the application of this document.” to “The following documents referred to in this text in such a way that some or all of their content constitutes requirements for this document.”

— added term and definition of “internal vibrator” which was missing although essential

— added note that explaining “immersion vibrator” which is also called, then replaced all terms “immersion vibrator” used in the following sentences by “internal vibrator”

— modified the definition of hydraulic internal vibrator

— changed term from “vibration head” to “vibrator assembly” and designated respective component in Figures A.1 thru A.9

— changed term from “flexible drive shaft” to “flexible shaft”

— modified NOTE for compaction diameter

— modified definition for “high and normal frequency generating set” from “unit composed of an internal combustion engine, electric generator and frequency converter” to “unit consist either of an internal combustion engine, electric generator or frequency converter” to eliminate confusion

— deleted clause 4 Structure

— deleted subclause 5.2 Complementary data for all types of immersion vibrator

— deleted “c) length of the hose-handle m;” in subclause 5.3.2

— modified Figures A.1 thru A.9 to add key for rectangular designating “vibrator assembly”

— modified Figure A.1 a) to replace the section by correct one without electric motor

— modified the title of Figure A.1 and sub figures a), b)

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— deleted Figure A.10 which was not mentioned in the body

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