

**Draft Indian Standard**  
**BUILDING CONSTRUCTION MACHINERY AND EQUIPMENT -- EXTERNAL**  
**VIBRATORS FOR CONCRETE**  
**ICS 91.220**

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NATIONAL FOREWORD

(Adoption clause to be added later on).

This standard supersedes IS 4656:1968 “Specification for form vibrators for concrete”.

In the adopted standard certain terminology and conventions are not identical with those used in Indian Standards; attention is drawn specially to the following:

- (a) Comma (,) has been used as a decimal marker while in Indian Standards the current practice is to use a point (.) as the decimal marker.
- (b) Wherever the words ‘International Standard’ appear, referring to this standard, they should be read as ‘Indian Standard’.

In this Indian Standard, the following International Standards have been referred. The list of International Standards and its corresponding Indian Standards are given below:

<i>International Standard</i>	<i>Corresponding Standard</i>	<i>Indian Standard</i>	<i>Degree of Equivalent</i>
ISO 4414: 1998, Pneumatic fluid power - General rules relating to systems	IS 12725 : 2002/ ISO 4414: 1998 Pneumatic Power - General Rules Relating to Systems	ISO 4414: 1998 Pneumatic Fluid General Rules Relating to Systems	Identical
ISO 8041 Human response to vibration – Measuring instrumentation	IS 14737 : 2000/ISO 8041 : 1990 Human Response to Vibration - Measuring Instrumentation	ISO 8041 : 1990 Human Response to Vibration - Measuring Instrumentation	Identical

The technical committee will review the provisions of the following International Standards referred in this adopted standard and to decide that these are acceptable for use in conjunction with this standard:

**ISO 18652:2005**  
**Doc: MED 18(0957)C**

<i>International Standard</i>	<i>Title</i>
ISO 2398: 1995	Rubber hose, textile-reinforced for compressed air-Specification
ISO 6150: 1988	Pneumatic fluid power cylindrical quick-action couplings for maximum working pressures of 10 bar, 16 bar and 25 bar (1 MPa, 1.6 MPa and 2.5 MPa) - Plug connecting dimensions, specifications,application guidelines and testing.
ISO 7241-1	Hydraulic fluid power – Quick action couplings- Part 1: Dimensions and requirements
ISO 8331	Rubber and plastics hoses and hose assemblies – Guide to selection, storage, use and maintenance
ISO 11375:1998	Building construction machinery and equipment – Terms and definitions
ISO 12100-2:2003	Safety of machinery – Basic concepts, general principles for design – Part – 2 : Technical principles
IEC 60034-1:2004	Rotating electrical machines – Part-1: Rating and performance
IEC 60034-5	Rotating electrical machines – Part-5: Degrees of protection provided by the integral design of rotating electrical machines( IP code )- Classification
IEC 60204-1:2000	Safety of machinery – Electrical equipment of machines-Part-1: General requirements
IEC 60745-1:2003	Hand-held motor operated electric tools – Safety – Part-1 : General requirements

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis shall be rounded off in accordance with IS 2:1960 'Rules for rounding off numerical values (revised)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

'FOR COMPLETE TEXT OF THE DOCUMENT, KINDLY REFER ISO 18652:2005'