
**Building construction machinery and
equipment — Pedestrian-controlled
vibratory plates — Terminology and
commercial specifications**

*Machines et matériels pour la construction des bâtiments — Plaques
vibrantes guidées à la main — Terminologie et spécifications
commerciales*



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Foreword

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Introduction

The purpose of this International Standard is to define the main terms and commercial specifications for pedestrian-controlled vibratory plates used for material (soil and asphalt) compaction. These machines are typically used in the building trades to improve material density characteristics.

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Building construction machinery and equipment — Pedestrian-controlled vibratory plates — Terminology and commercial specifications

1 Scope

This International Standard provides a terminology and sets out the commercial specifications for pedestrian-controlled vibratory plates used in building construction. It is applicable to both forward- and reversible-type plates. These plate compactors are intended for the mechanical compaction of all disturbed soil, sand or aggregates used for load-bearing purposes — whether in new construction or repairs.

2 Terms and definitions

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

2.1

pedestrian-controlled vibratory plate

direct- or remote-controlled machine designed for the purpose of improving material density and stiffness

NOTE The machine compacts material through vibration and impact force generated by the vibrator shaft to the base plate and transmitted to the material.

2.1.1

forward-type vibratory plate

machine designed to move in only one direction, forward

See Figure 1 a).

2.1.2

reversible-type vibratory plate

machine designed to move in two directions, both forward (away from the operator) and reverse (towards the operator)

See Figure 1 b).

2.2

prime mover

driving energy source for vibrator mechanism

2.3

transmission

system of components that translates the prime mover energy to the vibrator mechanism

2.4

base plate

machine element that locates the vibrator mechanism and comes in contact with the material being compacted

See Figure 1.