
**Road construction and road maintenance
machinery and equipment — Basic
types — Identification and description**

*Machines et matériels pour la construction et l'entretien des routes —
Principaux types — Dénomination et description*



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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 22242 was prepared by Technical Committee ISO/TC 195, *Building construction machinery and equipment*.

Introduction

A whole range and many different types of machinery are needed for building and maintaining traffic routes, roads, highways, runways, aprons, etc. These can be divided into the following main groups, falling within the particular scopes of ISO Technical Committees.

- Tractors and machinery for agriculture and forestry (ISO/TC 23)

EXAMPLE Brush-cutters and brush saws, log loaders, portable chain saws, branches-shredders, drainage pipe layers, digger ploughs and other machines defined in ISO 3339.

- Earth-moving machinery (ISO/TC 127)

EXAMPLE Excavators, tractor dozers, scrapers, loaders, dumpers, trenchers, graders, rollers, vibratory plates, rammers and other machines defined in ISO 6165, ISO 6747, ISO 7131, ISO 7132, ISO 7133, ISO 7134 and ISO 8811.

- Building construction machinery and equipment (ISO/TC 195)

EXAMPLE Formworks, drum mixers, machines and equipment for concrete-mix production, truck concrete mixers and concrete transport skips, concrete pumps, vibrating beams, floating machines, concrete vacuum treatment units, core drilling units and other machines defined in ISO 11375.

- General-use machinery and equipment

EXAMPLE Power tools such as hammers, industrial vacuum cleaners, blowers, water pumps, portable chain saws, liquid gas heating units, infrared heaters.

- Machines and equipment designed especially for road construction and maintenance (ISO/TC 195).

This International Standard identifies and describes elements of this last group.

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Road construction and road maintenance machinery and equipment — Basic types — Identification and description

1 Scope

This International Standard identifies and describes machinery and equipment used in the construction and maintenance of traffic routes, roads, highways, runways, aprons, etc. It is applicable to those specialized machines/equipment intended for pavement construction and road maintenance. It does not define terms, and its figures represent a general view or outline.