



# SLOVENSKI STANDARD SIST EN ISO 6165:2012

01-november-2012

Nadomešča:  
SIST EN ISO 6165:2007

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**Stroji za zemeljska dela - Osnovni tipi - Identifikacija ter pojmi in definicije (ISO 6165:2012)**

Earth-moving machinery - Basic types - Identification and terms and definitions (ISO 6165:2012)

Erdbaumaschinen - Grundtypen - Identifizierung und Begriffe (ISO 6165:2012)

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Engins de terrassement - Principaux types - Identification et termes et définitions (ISO 6165:2012)

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**Ta slovenski standard je istoveten z: EN ISO 6165:2012**

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**ICS:**

01.040.53	Oprema za transport materiala (Slovarji)	Materials handling equipment (Vocabularies)
53.100	Stroji za zemeljska dela	Earth-moving machinery

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 6165**

September 2012

ICS 01.040.53; 53.100

Supersedes EN ISO 6165:2006

English Version

## Earth-moving machinery - Basic types - Identification and terms and definitions (ISO 6165:2012)

Engins de terrassement - Principaux types - Identification et  
termes et définitions (ISO 6165:2012)

Erdbaumaschinen - Grundtypen - Identifizierung und  
Begriffe (ISO 6165:2012)

This European Standard was approved by CEN on 31 August 2012.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
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Management Centre: Avenue Marnix 17, B-1000 Brussels

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## Foreword

This document (EN ISO 6165:2012) has been prepared by Technical Committee ISO/TC 127 "Earth-moving machinery" in collaboration with Technical Committee CEN/TC 151 "Construction equipment and building material machines - Safety" the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2013, and conflicting national standards shall be withdrawn at the latest by March 2013.

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

This document supersedes EN ISO 6165:2006.

According to the CEN/CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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The text of ISO 6165:2012 has been approved by CEN as a EN ISO 6165:2012 without any modification.

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INTERNATIONAL  
STANDARD

ISO  
6165

Sixth edition  
2012-09-01

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**Earth-moving machinery — Basic  
types — Identification and terms and  
definitions**

*Engins de terrassement — Principaux types — Identification et  
termes et définitions*

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Reference number  
ISO 6165:2012(E)

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Fax + 41 22 749 09 47  
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Published in Switzerland



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**ISO 6165:2012(E)****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.

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.

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 6165 was prepared by Technical Committee ISO/TC 127, *Earth-moving machinery*, Subcommittee SC 4, *Terminology, commercial nomenclature, classification and ratings*.

This sixth edition cancels and replaces the fifth edition (ISO 6165:2006), which has been technically revised.

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# Earth-moving machinery — Basic types — Identification and terms and definitions

## 1 Scope

This International Standard gives terms and definitions and an identification structure for classifying earth-moving machinery designed to perform the following operations:

- excavation;
- loading;
- transportation;
- drilling, spreading, compacting or trenching of earth, rock and other materials, during work, for example, on roads and dams, in quarries and mines and on building sites.

The purpose of this International Standard is to provide a clear means of identifying machines according to their function and design configurations.

Annex A provides a procedure based on the identification structure used by this International Standard for classifying the machinery and for introducing detailed identifications consistent with the logic implied by the structure.

Annex B provides a hierarchy of the operator control configurations for earth-moving machinery.

The Bibliography provides a list of terminology standards for many of the machine families identified in this International Standard. Included in those terminology standards are figures depicting different configurations of the machine types in each machine family.

## 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 10261, *Earth-moving machinery — Product identification numbering system*

## 3 Terms and definitions

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

### 3.1

#### **earth-moving machinery**

self-propelled or towed machine on wheels, crawlers or legs, having *equipment* (3.9) or *attachment* (3.10) (working tool), or both, primarily designed to perform excavation, loading, transportation, drilling, spreading, compacting or trenching of earth, rock and other materials

Note to entry: Earth-moving machinery can be of a type either directly controlled by an operator riding or not riding on the machine, or can be remotely controlled by wired or wireless means with or without direct view on the working area. See Annex B for types of operator control configurations.