SLOVENSKI STANDARD
SIST EN 15436-3:2015

01-september-2015

Nadomešča:
SIST-TS CEN/TS 15436-3:2009

Oprema za vzdrževanje cest - 3. del: Klasifikacija

Road service area maintenance equipment - Part 3: Classification

Straßenbetriebsdienstausstattung - Teil 3: Klassifikation

Matériel d'entretien des dépendances routières - Partie 3: Classification

Ta slovenski standard je istoveten z: EN 15436-3:2015

ICS:

43.160	Vozila za posebne namene	Special purpose vehicles

SIST EN 15436-3:2015 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 15436-3

July 2015

ICS 43.160

Supersedes CEN/TS 15436-3:2009

English Version

Road service area maintenance equipment - Part 3: Classification

Matériel d'entretien des dépendances routières - Partie 3: Classification

Straßenbetriebsdienstausstattung - Teil 3: Klassifikation

This European Standard was approved by CEN on 14 May 2015.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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.

EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

Foreword

This document (EN 15436-3:2015) has been prepared by Technical Committee CEN/TC 337 “Road operation equipment and products”, the secretariat of which is held by AFNOR.

This document supersedes CEN/TS 15436-3:2009.

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 January 2016, and conflicting national standards shall be withdrawn at the latest by January 2016.

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.

Compared to the previous version, this new document is now a standard which includes few simplifications in order to clarify its application in conjunction with EN 15436-2.

EN 15436, *Road service area maintenance equipment*, is composed with the following parts:

— *Part 1: Terminology*;

— *Part 2: Performance assessment*;

— *Part 3: Classification* [the present document];

— *Part 4: Delivery acceptance of the machines by the users*.

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.

Introduction

Road service area grass cutting, brush cutting and mechanical plant cutting operations require special equipment that meets clearly defined technical criteria. This document defines and describes the classification criteria of the machines with respect to their kinematic and power performances.

The performance evaluation is described in EN 15436-2.

1 Scope

This European Standard defines the classification criteria of the road service area maintenance equipment described in the scope of EN 15436-1 and used for:

— grass cutting and brush cutting;

— mechanical plant cutting.

This equipment is mounted on self-propelled carrying vehicles, and is intended, on the one hand, for cutting and shredding grass and brushwood, and, on the other hand, for trimming trees, saplings and bushes in road service areas. This document is intended to be used also in conjunction with EN 15436-2.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 15436-1:2008, *Road service area maintenance equipment - Part 1: Terminology*

EN 15436-2:2015, *Road service area maintenance equipment — Part 2: Performance assessment*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 15436-1:2008 and EN 15436-2:2015 apply.

4 Performance requirements

4.1 Criteria

Machine shall fulfil the 4 h testing method (as described in EN 15436-2:2015, 7.4.2 or 8.4.2) and has a cutting tool stopping time ≤ 5 s for a width of the cutting head ≤ 1,6 m or ≤ 7 s for a width of the cutting head > 1,6 m.

4.2 Tolerances on characteristics for machine construction

The tolerances on each characteristic between the value declared by the manufacturer and the measured value are given in Table 1.

Table 1 — Tolerances on each kinematic characteristic

Accepted tolerances on the characteristics			
Kinematic characteristics	**Dimensional characteristics**	Cutting width (w) *(for each cutting head)*	±2 cm
		Cutting height (h) *(for each cutting head)*	±0,5 cm
		Cutting head clearance angle – 2 angles α_1 and α_2	±3°
		Horizontal range (A)	±1,5 %
		Horizontal clearance (Dh)	±1,5 %
		Embankment range (E) or (R = E+F)	±1,5 %
		Ditch range (D_1) or (D = E+F)	±1,5 %
		Ditch range with slide rail (D_2)	±1,5 %
		Offset (S) or (Dp)	±1,5 %
		Variable offset	±1,5 %
		Vertical range (B)	±1,5 %
		Hedge size range (I)	±5 %
		Hedge side position variation (Δ I)	±5 %
		Maximum hedge topping height (C)	±2 %
	Transfer dimensions and weight	Maximum height (H)	+ 0 ; − 4 cm
		Width (L1+L2)	±2 cm
		Length (Lg_1)	± 5 cm
		Length (Lg_2)	±5 cm
		Machine weight without balancing masses (Pt)	±4 %