



**NSAI**  
Standards

Irish Standard  
I.S. EN 16796-6:2020

# Energy efficiency of Industrial trucks - Test methods - Part 6: Container straddle carrier

**I.S. EN 16796-6:2020**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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## National Foreword

I.S. EN 16796-6:2020 is the adopted Irish version of the European Document EN 16796-6:2020, Energy efficiency of Industrial trucks - Test methods - Part 6: Container straddle carrier

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**EUROPEAN STANDARD**  
**NORME EUROPÉENNE**  
**EUROPÄISCHE NORM**

**EN 16796-6**

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ICS 53.060

English Version

**Energy efficiency of Industrial trucks - Test methods - Part**  
**6: Container straddle carrier**

Efficacité énergétique des chariots de manutention -  
Méthodes d'essai - Partie 6 : Chariot cavalier porte-  
conteneur

Energieeffizienz von Flurförderzeugen - Prüfverfahren  
- Teil 6: Container-Portalhubwagen

This European Standard was approved by CEN on 21 October 2019.

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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.

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## European foreword

This document (EN 16796-6:2020) has been prepared by Technical Committee CEN/TC 150 “Industrial Trucks - Safety”, the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by July 2020, and conflicting national standards shall be withdrawn at the latest by July 2020.

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

EN 16796 consists of the following parts, under the general title *Energy efficiency of Industrial trucks — Test methods*:

- *Part 1: General*
- *Part 2: Operator controlled self-propelled trucks, towing tractors and burden-carrier trucks*
- *Part 3: Container handling lift trucks*
- *Part 4: Rough-terrain trucks*
- *Part 6: Container straddle carrier*

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## EN 16796-6:2020 (E)

### 1 Scope

This part of EN 16796 specifies the methods of energy consumption measurement for stacking high-lift straddle carrier (hereafter referred to as straddle carrier), as defined in ISO 5053-1:2015, 3.19.

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

EN 16796-1:2016, *Energy efficiency of Industrial trucks — Test methods — Part 1: General*

ISO 5053-1:2015, *Industrial Trucks — Terminology and classification — Part 1: Types of Industrial Trucks*

ISO 668<sup>1</sup>, *Series 1 freight containers — Classification, dimensions and ratings*

### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 5053-1:2015 and EN 16796-1:2016 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <https://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

#### 3.1

##### **automatic container detection**

automatic positioning of the spreader on the container

#### 3.2

##### **n – high**

numbers of containers which could be stacked by the truck

Note 1 to entry: Usually the numbers of containers which could be stacked by the truck are 2-high, 3-high or 4-high.

Note 2 to entry: For travelling, the container is usually in the position 1-high.

### 4 Test conditions

#### 4.1 General

The test conditions given in EN 16796-1:2016, shall be modified as follows.

#### 4.2 Test load

The test load shall be 30,48 t according to ISO 668<sup>1</sup>.

A container with a height of 2,59 m (8'6") and a length of 6 m (20') shall be used in the test.

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<sup>1</sup> Under preparation. Stage at the time of publication: ISO/FDIS 668.



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