

Aerospace series - Standardized passenger seat weight information

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 4727:2017 sisaldab Euroopa standardi EN 4727:2017 ingliskeelset teksti.	This Estonian standard EVS-EN 4727:2017 consists of the English text of the European standard EN 4727:2017.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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English Version

Aerospace series - Standardized passenger seat weight information

Série aérospatiale - Définition standardisée du poids
d'un siège passager

Luft- und Raumfahrt - Standardisierte
Sitzgewichtsangaben für Passagiersitze

This European Standard was approved by CEN on 16 October 2016.

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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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (EN 4727:2017) has been prepared by the Aerospace and Defence Industries Association of Europe - Standardization (ASD-STAN).

After enquiries and votes carried out in accordance with the rules of this Association, this European Standard has received the approval of the National Associations and the Official Services of the member countries of ASD, prior to its presentation to CEN.

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 November 2017, and conflicting national standards shall be withdrawn at the latest by November 2017.

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 4727:2015.

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1 Scope

The weight for cabin equipment is an important topic in the aviation business. The cabin equipment weight has a direct impact on the payload of the aircraft, operation cost and revenue of the airlines. Due to the number of aircraft seats, seats are one of the major weight drivers in the cabin. At this time, a lot of seat weights are used without any clear definition, e.g. allowable max. weight, certified weight, defined weight. For the definition of each customer specific cabin, it is important to get comparable seat weights. Aircraft seats are very different with regard to seat envelope dimensions and integrated features and options. For a weight calculation and product comparison, it is very helpful to get comparable weight information based on a standard weight.

The aim of this European Standard is to define a clear definition for the different weight information and a baseline for a seat weight calculation to get comparable seat weights for seat brochures and marketing reasons.

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.

CS 25, *Certification Specification for Large Aeroplanes*¹⁾

3 Abbreviations

For the purposes of this document, the following abbreviations apply.

A/C	Aircraft
B/C	Business class
E/C	Economy class
F/C	First class
FAI	First article inspection
IAT	in-armrest table
IFE	Inflight-entertainment
IIL	Installation Instructions and Limitations
OEMs	original equipment manufacturer
PCU	Power control unit
P/N	Part number
SEB	Seat electronic box
Std.	Standard

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