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Aerospace series - Filler metals for welding - Part 001:  
Technical specification

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>See Eesti standard EVS-EN 4877-001:2024 sisaldab Euroopa standardi EN 4877-001:2024 ingliskeelset teksti.</p> <p>Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 17.04.2024.</p> <p>Standard on kättesaadav Eesti Standardimis- ja Akrediteerimiskeskusest.</p>	<p>This Estonian standard EVS-EN 4877-001:2024 consists of the English text of the European standard EN 4877-001:2024.</p> <p>This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.</p> <p>Date of Availability of the European standard is 17.04.2024.</p> <p>The standard is available from the Estonian Centre for Standardisation and Accreditation.</p>
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ICS 25.160.20, 49.025.10, 49.025.15

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EUROPEAN STANDARD

**EN 4877-001**

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2024

ICS 25.160.20; 49.025.10; 49.025.15

Supersedes EN 3879:2023

English Version

## Aerospace series - Filler metals for welding - Part 001: Technical specification

Série aérospatiale - Métaux d'apport de soudage -  
Partie 001 : Spécification technique

Luft- und Raumfahrt - Schweißzusätze - Teil 001:  
Technische Lieferbedingungen

This European Standard was approved by CEN on 8 January 2024.

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.

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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

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## European foreword

This document (EN 4877-001:2024) has been prepared by ASD-STAN.

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

This document shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2024, and conflicting national standards shall be withdrawn at the latest by October 2024.

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.

This document supersedes EN 3879:2023.

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

## **Introduction**

This document is part of the series of EN metallic material standards for aerospace applications. The general organization of this series is described in EN 4258.

From the date of publication of this document, specifications for different welding products can be written in only one standard instead of separated material standards.

Already existing material standards of filler metals for welding can continue to follow the organization described in EN 4258.

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## 1 Scope

This document specifies the requirements for the ordering, manufacture, testing, inspection and delivery of all forms of filler metal. It is presupposed to be applied when referred to and in conjunction with the product procurement specification unless otherwise specified on the drawing, order or inspection schedule.

## 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 2032-001, *Aerospace series — Metallic materials — Part 001: Conventional designation*

EN 2032-2, *Aerospace series — Metallic materials — Part 2: Coding of metallurgical condition in delivery condition*

EN 2078, *Aerospace series — Metallic materials — Manufacturing schedule, inspection schedule, inspection and test report — Definition, general principles, preparation and approval*

EN 4259, *Aerospace series — Metallic materials — Definition of general terms*

EN 4268, *Aerospace series — Metallic materials — Heat treatment facilities — General requirements*

EN 4877-002, *Aerospace series — Filler metals for welding — Part 002: Authorized filler metals*

EN ISO 544, *Welding consumables — Technical delivery conditions for filler materials and fluxes — Type of product, dimensions, tolerances and markings (ISO 544)*

ISO 3954,<sup>1</sup> *Powders for powder metallurgical purposes — Sampling*

ISO 4497,<sup>2</sup> *Metallic powders — Determination of particle size by dry sieving*

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<sup>1</sup> Published by: ISO International Organization for Standardization <https://www.iso.ch/>.

<sup>2</sup> Published by: ISO International Organization for Standardization <https://www.iso.ch/>.