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

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 06/24

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English Version

**Aerospace series - Filler metals for welding - Part 001:
Technical specification**Série aérospatiale - Métaux d'apport de soudage -
Partie 001 : Spécification techniqueLuft- und Raumfahrt - Schweißzusätze - Teil 001:
Technische Lieferbedingungen

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

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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of an identical text or by endorsement, at the latest by October 2024, and conflicting national standards shall be withdrawn at the latest by October 2024.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.

EN 4877-001:2024 (E)**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.

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 3954,¹ *Powders for powder metallurgical purposes — Sampling*

ISO 4497,² *Metallic powders — Determination of particle size by dry sieving*

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

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