



BSI Standards Publication

Aerospace series — Metallic materials — Filler metal for welding — Technical specification

National foreword

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The UK participation in its preparation was entrusted to Technical Committee ACE/61, Metallic materials for aerospace purposes.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Aerospace series - Metallic materials - Filler metal for welding - Technical specification

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d'apport de soudage - Spécification technique

Luft- und Raumfahrt - Metallische Werkstoffe -
Schweisszusatz - Technische Lieferbedingungen

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European foreword

This document (EN 3879:2023) 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 document 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 document shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2023, and conflicting national standards shall be withdrawn at the latest by August 2023.

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Introduction

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

1 Scope

This document defines the requirements for the ordering, manufacture, testing, inspection and delivery of all forms of filler metal. It shall be applied when referred to and in conjunction with the EN material standard 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 4058, *Aerospace series — Filler rods and filler wires for welding in titanium and titanium alloys — Diameter $0,5\text{ mm} \leq D \leq 5,0\text{ mm}$ — Dimensions*

EN 4059, *Aerospace series — Filler rods and filler wires for welding in steel — Diameter $0,5\text{ mm} \leq D \leq 5,0\text{ mm}$ — Dimensions*

EN 4060, *Aerospace series — Filler rods and filler wires for welding in heat resisting alloys — Diameter $0,5\text{ mm} \leq D \leq 5,0\text{ mm}$ — Dimensions*

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

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

ISO 544, *Welding consumables — Technical delivery conditions for filler materials and fluxes — Type of product, dimensions, tolerances and markings* ¹⁾

TR 4607, *Aerospace series — Weldability test for weld filler metal wire* ²⁾

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

²⁾ This project has been cancelled in July 2017.