

<b>STN</b>	<b>Letectvo a kozmonautika</b> <b>Systém nit-krúžok zo zliatiny hliníka, typ šmyk,</b> <b>palcový rad</b> <b>Technická špecifikácia</b>	<b>STN</b> <b>EN 6052</b>  31 4353
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Aerospace series - Rivet-collar-system, aluminium alloy, shear type, inch series - Technical Specification

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

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English Version

## Aerospace series - Rivet-collar-system, aluminium alloy, shear type, inch series - Technical Specification

Série aérospatiale - Système rivet-collier, alliage  
d'aluminium, type cisaillement, série en inches -  
Spécification technique

Luft- und Raumfahrt - Passniet-Schließring-System aus  
Aluminiumlegierung für Scherbeanspruchung, Zöllige  
Reihe - Technische Lieferbedingungen

This European Standard was approved by CEN on 6 October 2022.

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**EN 6052:2022 (E)**

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## **European foreword**

This document (EN 6052:2022) 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-STAN, 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of an identical text or by endorsement, at the latest by April 2023, and conflicting national standards shall be withdrawn at the latest by April 2023.

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**EN 6052:2022 (E)****1 Scope**

This document defines the requirements for qualification, acceptance, delivery and inspection of 100° countersunk head, 100° countersunk reduced head and protruding head close tolerance pins, shear type in aluminium alloy 7050-T73 and collars of aluminium alloy 3003 and of aluminium alloy 6061-T7 for use as permanent fasteners in aerospace applications.

**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 3115, *Aerospace series — Aluminium alloy 7050-T73 — Wire for solid rivets —  $D \leq 10$  mm*

ANSI/ASQ Z 1.4, *Sampling Procedures and Tables for Inspection by Attributes*<sup>1</sup>

ANSI/ASME B 46.1, *Surface Texture, Surface Roughness, Waviness and Lay*<sup>1</sup>

ASTM-B193, *Standard Test Method for Resistivity of Electrical Conductor Materials*<sup>2</sup>

ASTM E 1417/E 1417M, *Standard Practice for Liquid Penetrant Testing*<sup>2</sup>

ASTM E 8/E 8Ma, *Standard Test Methods for Tension Testing of Metallic Materials*<sup>2</sup>

ASTM-E92, *Standard Test Methods for Vickers Hardness and Knoop Hardness of Metallic Materials*<sup>2</sup>

ASTM-G-110, *Standard Practice for Evaluating Intergranular Corrosion Resistance of Heat Treatable Aluminum Alloys by Immersion in Sodium Chloride + Hydrogen Peroxide Solution*<sup>2</sup>

NASM1312, *Fastener Test Methods*<sup>3</sup>

FED-SPEC QQ-A-430, *Aluminium Alloy Rod and Wire, for Rivets and Cold Heading*<sup>4</sup>

SAE AMS2644, *Inspection Material, Penetrant*<sup>5</sup>

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