

# ILNAS

Institut luxembourgeois de la normalisation  
de l'accréditation, de la sécurité et qualité  
des produits et services

## ILNAS-EN 4056-005:2023

### **Aerospace series - Cable ties for harnesses - Part 005: Plastic cable ties with metallic locking devices, operating temperatures -65 °C to 105 °**

Série aérospatiale - Frettes de câblage  
pour harnais - Partie 005 : Frettes en  
plastique avec languette métallique,  
températures d'utilisation -65 °C à 105 °C

Luft- und Raumfahrt -  
Befestigungsbänder für Leitungsbündel -  
Teil 005: Befestigungsbänder aus  
Kunststoff mit Verriegelungssystemen

02/2023



## National Foreword

This European Standard EN 4056-005:2023 was adopted as Luxembourgish Standard ILNAS-EN 4056-005:2023.

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ICS 49.060

English Version

**Aerospace series - Cable ties for harnesses - Part 005:  
Plastic cable ties with metallic locking devices, operating  
temperatures -65 °C to 105 °C and -65 °C to 150 °C -  
Product standard**

Série aérospatiale - Frettes de câblage pour harnais -  
Partie 005 : Frettes en plastique avec languette  
métallique, températures d'utilisation -65 °C à 105 °C  
et -65 °C à 150 °C - Norme de produit

Luft- und Raumfahrt - Befestigungsbänder für  
Leitungsbündel - Teil 005: Befestigungsbänder aus  
Kunststoff mit Verriegelungssystemen aus Metall,  
Betriebstemperaturen -65 °C bis 105 °C und -65 °C bis  
150 °C - Produktnorm

This European Standard was approved by CEN on 23 October 2022.

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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.

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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 4056-005:2023) 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.

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.

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## 1 Scope

This document defines the required characteristics of cable ties with a metallic locking device manufactured from plastics material, for installation under controlled tension on aircraft cable harnesses.

It is used together with EN 4056-001:2015.

## 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 2825, *Aerospace series — Burning behaviour of non-metallic materials under the influence of radiating heat and flames — Determination of smoke density*

EN 2826, *Aerospace series — Burning behaviour of non-metallic materials under the influence of radiating heat and flames — Determination of gas components in the smoke*

EN 4056-001:2015, *Aerospace series — Cable ties for harnesses — Part 001: Technical specification*

EN 4057 (all parts), *Aerospace series — Cable ties for harnesses — Test methods*

MS 90387, *Tool, hand adjustable for plastic and metal tiedown straps*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 4056-001:2015 apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp/>
- IEC Electropedia: available at <https://www.electropedia.org/>

## 4 Required characteristics

### 4.1 Dimensions

See Figure 1 and Table 1.