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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 Metallzunge, Betriebstemperatur -65 °C  
bis 105 °C und -65 °C bis 150 °C - Produktnorm

This draft European Standard is submitted to CEN members for formal vote. It has been drawn up by the Technical Committee ASD-STAN.

If this draft becomes a European Standard, 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.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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## European foreword

This document (FprEN 4056-005:2022) 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, prior to its presentation to CEN.

This document is currently submitted to the Formal Vote.

## **1 Scope**

This document specifies 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.

## **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 apply.

ISO and IEC maintain terminological 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.