

# SVENSK STANDARD

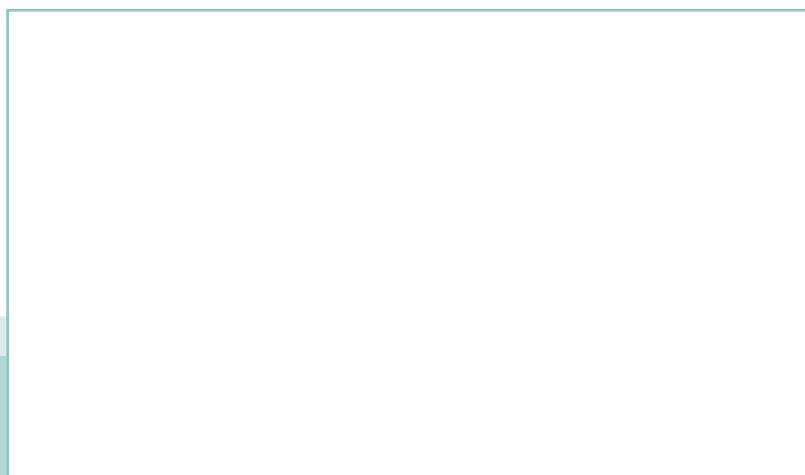
## SS-EN 4056-004:2014



Fastställt/Approved: 2014-12-21  
Publicerad/Published: 2015-01-12  
Utgåva/Edition: 1  
Språk/Language: engelska/English  
ICS: 49.060

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**Aerospace series – Cable ties for harnesses –  
Part 004: Plastic cable ties – For operating temperatures – 55 °C  
to 105 °C and – 55 °C to 150 °C – Product standard**



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EUROPEAN STANDARD

**EN 4056-004**

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2014

ICS 49.060

English Version

**Aerospace series - Cable ties for harnesses - Part 004: Plastic cable ties - For operating temperatures - 55 °C to 105 °C and - 55 °C to 150 °C - Product standard**

Série aérospatiale - Frettes de câblage pour harnais - Partie 004: Frettes en plastique - Températures d'utilisation - 55 °C à 105 °C et - 55 °C à 150 °C - Norme de produit

Luft- und Raumfahrt - Befestigungsbänder für Leitungsbündel - Teil 004: Kabelbinder aus Kunststoff - Betriebstemperatur - 55 °C bis 105 °C und - 55 °C bis 150 °C - Produktnorm

This European Standard was approved by CEN on 11 October 2014.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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: Avenue Marnix 17, B-1000 Brussels**

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## Foreword

This document (EN 4056-004:2014) 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 Standard 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 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 June 2015, and conflicting national standards shall be withdrawn at the latest by June 2015.

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.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## 1 Scope

This European Standard defines the characteristics of cable ties with either internal or external serrations manufactured entirely from plastics material, for installation under controlled tension on aircraft cable harnesses. It shall be used together with EN 4056-001.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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, *Aerospace series — Cable ties for harnesses — Part 001: Technical specification*

EN 4056-002, *Aerospace series — Cable ties for harnesses — Part 002: Index of products*

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

MS 90387, *Tool, hand, adjustable for plastic and metal tie down straps* <sup>1)</sup>

## 3 Terms and definitions

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

## 4 Required characteristics

### 4.1 Dimensions

See Figure 1 and Table 1.

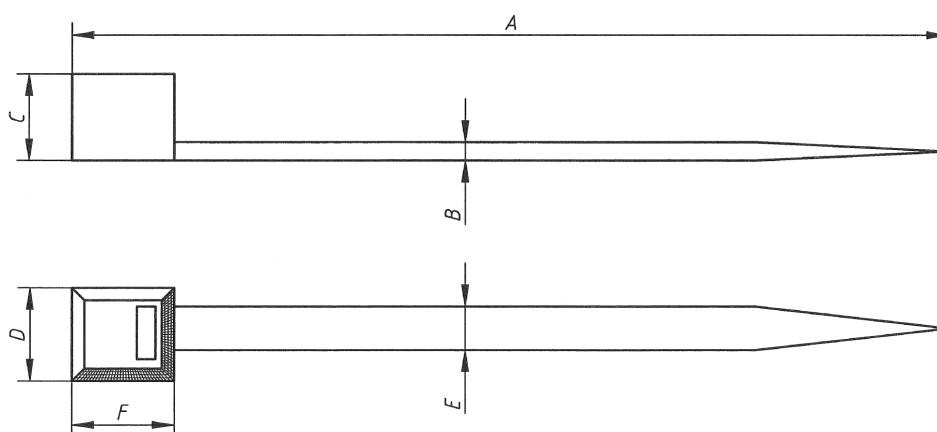


Figure 1 — Cable tie

<sup>1)</sup> Published by: DoD National (US) Mil. Department of Defense (<http://www.defenselink.mil/>).