



BSI Standards Publication

## **Aerospace series - Quick release fastening systems for non-structural applications**

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Part 03: Spring clamp

This is a preview of "BS EN 4710-03:2018". [Click here to purchase the full version from the ANSI store.](#)

## National foreword

This British Standard is the UK implementation of EN 4710-03:2018. It supersedes BS EN 4710-03:2015, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee ACE/12, Aerospace fasteners and fastening systems.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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English Version

## Aerospace series - Quick release fastening systems for non-structural applications - Part 03: Spring clamp

Série aérospatiale - Fixations rapides filetées pour applications non-structurales - Partie 03 : Collier lyre

Luft- und Raumfahrt - Schnellverschlüsse für nicht-strukturelle Anwendungen - Teil 03: Federclip

This European Standard was approved by CEN on 20 May 2018.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
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## European foreword

This document (EN 4710-03:2018) 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of an identical text or by endorsement, at the latest by April 2019, and conflicting national standards shall be withdrawn at the latest by April 2019.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 4710-03:2015.

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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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## 1 Scope

This European standard specifies the dimensions, mass, tolerances and static values of spring clamps for use in fuselage interior equipment and non-structural or secondary structural area. This standard part shall be used in conjunction with EN 4710-06 and EN 4710-07 as described in EN 4710-02.

The applicable temperature range is  $-55\text{ }^{\circ}\text{C}$  to  $85\text{ }^{\circ}\text{C}$ .

## 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.

DIN EN ISO 19598, *Metallic coatings — Electroplated coatings of zinc and zinc alloys on iron or steel with supplementary CR(VI)-free treatment (ISO 19598:2016)*

EN 2424, *Aerospace series — Marking of aerospace products*

EN 2516, *Aerospace series — Passivation of corrosion resisting steels and decontamination of nickel base alloys*

EN 4710-01, *Aerospace series — Quick release fastening systems for non-structural applications — Part 01: Technical specification*

EN 4710-02, *Aerospace series — Quick release fastening systems for non-structural applications — Part 02: Spring clamp stud combination*

EN 4710-06, *Aerospace series — Quick release fastening systems for non-structural applications — Part 06: Stud — quick-release and locking*

EN 4710-07, *Aerospace series — Quick release fastening systems for non-structural applications — Part 07: Retaining grommet*

EN 10132-4, *Cold rolled narrow steel strip for heat treatment — Technical delivery conditions — Part 4: Spring steels and other applications*

EN 10151, *Stainless steel strip for springs — Technical delivery conditions*

EN 22768-1:1993, *General tolerances — Part 1: Tolerances for linear and angular dimensions without individual tolerance indications (ISO 2768-1:1989)*

EN 22768-2:1993, *General tolerances — Part 2: Geometrical tolerances for features without individual tolerance indications (ISO 2768-2:1989)*

## 3 Requirements

### 3.1 Configuration, dimensions, tolerances and mass

The configuration, dimensions, tolerances and mass shall conform with Figure 1 and Table 1. Tolerances not specified, shall be in accordance with ISO 2768-mK (EN 22768-1:1993 and EN 22768-2:1993). Dimensions are unless otherwise specified per manufacturer's option.