



NSAI
Standards

Irish Standard
I.S. EN 4702-04:2017

Aerospace series - Quick release fastening systems for non-structural and lining applications - Part 04: Spring clamp

I.S. EN 4702-04:2017

Incorporating amendments/corrigenda/National Annexes issued since publication:

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National Foreword

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EUROPEAN STANDARD

EN 4702-04

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2017

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English Version

Aerospace series - Quick release fastening systems for non-structural and lining applications - Part 04: Spring clamp

Série aérospatiale - Fixations rapides filetées applications structurales et non structurales et revêtements intérieurs - Partie 04: Collier lyre

Luft- und Raumfahrt - Schnellverschlussysteme für nicht-strukturelle und Innenausstattungsanwendungen - Teil 04: Feder-Clip

This European Standard was approved by CEN on 23 July 2017.

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European foreword

This document (EN 4702-04:2017) 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 European 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of an identical text or by endorsement, at the latest by April 2018, and conflicting national standards shall be withdrawn at the latest by April 2018.

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EN 4702-04:2017 (E)**1 Scope**

This standard describes the dimensions, mass, tolerances and static values of quick-release and locking – clamps for use in fuselage interior equipment and non-structural or secondary structural area.

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 2424, *Aerospace series - Marking of aerospace products*

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

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)

EN ISO 10683, *Fasteners — Non-electrolytically applied zinc flake coatings* (ISO 10683:2014)

3 Representations**3.1 Configuration, dimensions, tolerances and mass**

The configuration, dimensions, tolerances and mass shall confirm with Figure 1 and Table 2. Tolerances not specified, shall be in accordance with ISO 2768-mK (EN 22768-1:1993 and EN 22768-2:1993). Missing dimensions are left to manufacturer's option.

3.2 Material and surface treatment

See Table 3.

3.3 Mechanical characteristics

Ultimate loads see Table 1. The applicable temperature range is $-55\text{ }^{\circ}\text{C}$ to $85\text{ }^{\circ}\text{C}$.

Table 1 — Loads

Type code	Ultimate loads N	Material code
01	600	A, C
02	600	A, C

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