

Specification for

Metallic slide fasteners for aerospace purposes

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee ACE/21, Narrow woven fabrics for aircraft, upon which the following bodies were represented:

- British Narrow Fabrics Association
- Ministry of Defence
- Society of British Aerospace Companies Limited
- Society of Dyers and Colourists

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Foreword

This British Standard has been prepared by Technical Committee ACE/21 and is one of a series for textiles of a quality suitable for aerospace purposes. It constitutes a revision of BS 2F 121:1989 which is withdrawn, and differs from the previous edition in that meta-aramid fibre has been introduced as an alternative for tape manufacture, and the materials for metallic fittings have been revised. The requirements for shuttleless weaving have also been clarified.

NOTE The latest revision of an Aerospace Series standard is indicated by a prefix number.

This standard specifies pentachlorophenyl laurate (PCPL) as the only approved rot-proofing treatment for aerospace fabrics. Alternative treatments are under development, and this standard will be updated to delete PCPL as soon as an approved alternative treatment for aerospace fabrics is available.

WARNING. This standard calls for the use of substances and/or test procedures that may be injurious to health if adequate precautions are not taken. It refers only to technical suitability and in no way absolves either the supplier or the user from statutory obligations relating to health and safety at any stage of manufacture or use.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 10, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

1 Scope

This British Standard specifies requirements for two designations of metallic slide fasteners for aerospace purposes.

NOTE The information to be supplied by the purchaser in the contract or order is listed in Annex A.

2 References

2.1 Normative references

This standard incorporates, by dated or undated reference, provisions from other publications. These normative references are made at the appropriate places in the text and the cited publications are listed on the inside back cover. For dated references, only the edition cited applies; any subsequent amendments to or revisions of the cited publication apply to this standard only when incorporated in the reference by amendment or revision. For undated references, the latest edition of the cited publication applies, together with any amendments.

2.2 Informative references

This standard refers to other publications that provide information or guidance. Editions of these publications current at the time of issue of this standard are listed on the inside back cover, but reference should be made to the latest editions.

3 Definitions

For the purposes of this British Standard, the definitions given in BS 3084:1992 apply, together with the following.

3.1

quick release fastener

a slide fastener so designed that it may be opened with the slider still at the top stop end of the chain by the application of sufficient force to override a detent

3.2

interchangeable open-end fastener

an open-end slide fastener either stringer of which can be interchanged with the corresponding stringer of any other fastener from the same batch or delivery

3.3

self-locking fastener

a slide fastener fitted with a slider so designed that it becomes locked in any desired position on the chain when the puller is released and such that the slider will remain locked in that position regardless of uncontrolled movement of the puller and until released by further manipulation of the puller

3.4

non-locking fastener

a slide fastener fitted with a puller which is not provided with a locking device

3.5

batch

the output of an individual machine applying the teeth to the tape

4 General requirements for the tapes

4.1 In addition to the requirements specified in clauses 5 to 7, the following sections and clauses of the latest edition of BS F 100 shall apply (see Table 1).

4.2 The required methods of test, performance standards, inspection and acceptance limits shall conform to BS F 100 unless otherwise stated in this standard. In the event of any dispute, the methods of test, performance standards, inspection and acceptance limits stated in this standard shall prevail.

4.3 The type tests (see 7.8.5) shall be carried out at the commencement of each contract, or when any change to the material or adhesive occurs.

Table 1 — General requirements (given in BS F 100)

Section	Title	Requirements and tests
1	General	All requirements
2	Quality requirements	Requirements for manufacture of narrow fabrics Requirements for dyed textiles except those relating to fabric intended for coating Requirements for freedom from corrosive impurities (see section 4) Requirements for freedom from faults of woven narrow fabrics
4	Chemical tests	If required by section 2: test for conductivity of aqueous extract test for pH value of aqueous extract test for water soluble chloride test for water soluble sulfate