



BSI Standards Publication

**Aerospace series — Spiral drive recesses
for threaded fasteners — Geometrical
definition and technical requirements**

National foreword

This British Standard is the UK implementation of EN 4609:2019.

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.

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English Version

Aerospace series - Spiral drive recesses for threaded fasteners - Geometrical definition and technical requirements

Série aérospatiale - Empreintes en spirale pour éléments de fixation filetés - Définition géométrique et exigences techniques

Luft- und Raumfahrt - Spiral-Innenantrieb für Schrauben - Definition der Geometrie und Technische Anforderungen

This European Standard was approved by CEN on 14 July 2019.

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European foreword

This document (EN 4609:2019) 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of an identical text or by endorsement, at the latest by May 2020, and conflicting national standards shall be withdrawn at the latest by May 2020.

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Introduction

Aerospace and Defence Standardisation (ASD-STAN) draws attention to the fact that it is claimed that compliance with this document may involve the use of a patent "Spiral Drive System for Threaded Fasteners" EP1025370B1.

ASD-STAN takes no position concerning the evidence, validity and scope of this patent right.

The holder of this patent right has assured ASD-STAN that he/she is willing to negotiate licences under reasonable and non-discriminatory terms and conditions with applicants throughout the world. In this respect, the statement of the holder of this patent right is registered with ASD-STAN. Information may be obtained from:

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Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights other than those identified above. ASD-STAN shall not be held responsible for identifying any or all such patent rights.

1 Scope

This European Standard specifies dimensions, tolerances, characteristics and qualification requirements for MORTORQ Spiral Drive Recesses¹.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <http://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

4 Required characteristics: configuration — dimensions — tolerances

Configuration shall be in accordance with Figure 1.

Dimensions and tolerances shall be according to Figure 1 and Table 1 and are expressed in millimetres.

1 MORTORQ® is the trade name of a product supplied by licensees of the Phillips Screw Company. This information is given for the convenience of users of this European Standard and does not constitute an endorsement by ASD-STAN nor CEN of the product named. Equivalent products may be used if they can be shown to lead to the same results.