



BSI Standards Publication

Aerospace series — Elements of electrical and optical connection — Crimping tools and associated accessories

Part 003: Positioner for crimping tool
M22520/2-01 - Product standard

National foreword

This British Standard is the UK implementation of EN 4008-003:2017.

The UK participation in its preparation was entrusted to Technical Committee ACE/6, Aerospace avionic electrical and fibre optic technology.

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

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EUROPEAN STANDARD

EN 4008-003

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English Version

**Aerospace series - Elements of electrical and optical
connection - Crimping tools and associated accessories -
Part 003: Positioner for crimping tool M22520/2-01 -
Product standard**

Série aérospatiale - Organes de connexion électrique et
optique - Outils de sertissage et accessoires associés -
Partie 003: Positionneur pour pince à sertir
M22520/2-01 - Norme de produit

Luft- und Raumfahrt - Elektrische und optische
Verbindungselemente - Crimpwerkzeuge und
zugehöriges Zubehör - Teil 003: Positionierer für
Crimpzange M22520/2-01 - Produktnorm

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CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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European foreword

This document (EN 4008-003:2017) 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 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of an identical text or by endorsement, at the latest by September 2017 and conflicting national standards shall be withdrawn at the latest by September 2017.

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1 Scope

This European Standard specifies the characteristics for the positioner used with the M22520/2-01 crimping tool to crimp electrical contacts according to EN 4008-002.

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 2591-100, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 100: General*

EN 3155-024, *Aerospace series — Electrical contacts used in elements of connection — Part 024: Contacts, electrical, triaxial, size 8, male, type D, crimp, class S — Product standard*

EN 3155-025, *Aerospace series — Electrical contacts used in elements of connection — Part 025: Contacts, electrical, triaxial, size 8, female, type D, crimp, class S — Product standard*

EN 4008-001, *Aerospace series — Elements of electrical and optical connection — Crimping tools and associated accessories — Part 001: Technical specification*

EN 4008-002, *Aerospace series — Elements of electrical and optical connection — Crimping tools and associated accessories — Part 002: List of product standards*

SAE AS 22520/2-01, *Crimping Tools, Terminal, Hand, Wire Termination for Wire Barrel Sizes 20 through 28*¹⁾

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 2591-100 apply.

4 Required characteristics

4.1 Description

Securing the positioner on the crimping tool is provided by the combined action of the two bayonets and the pressure from the internal spring on the central moving part (locator).

The appropriate longitudinal positioning of the contact with respect to the crimping tool indenters is performed by the contact butting against a shoulder on the central part bore.

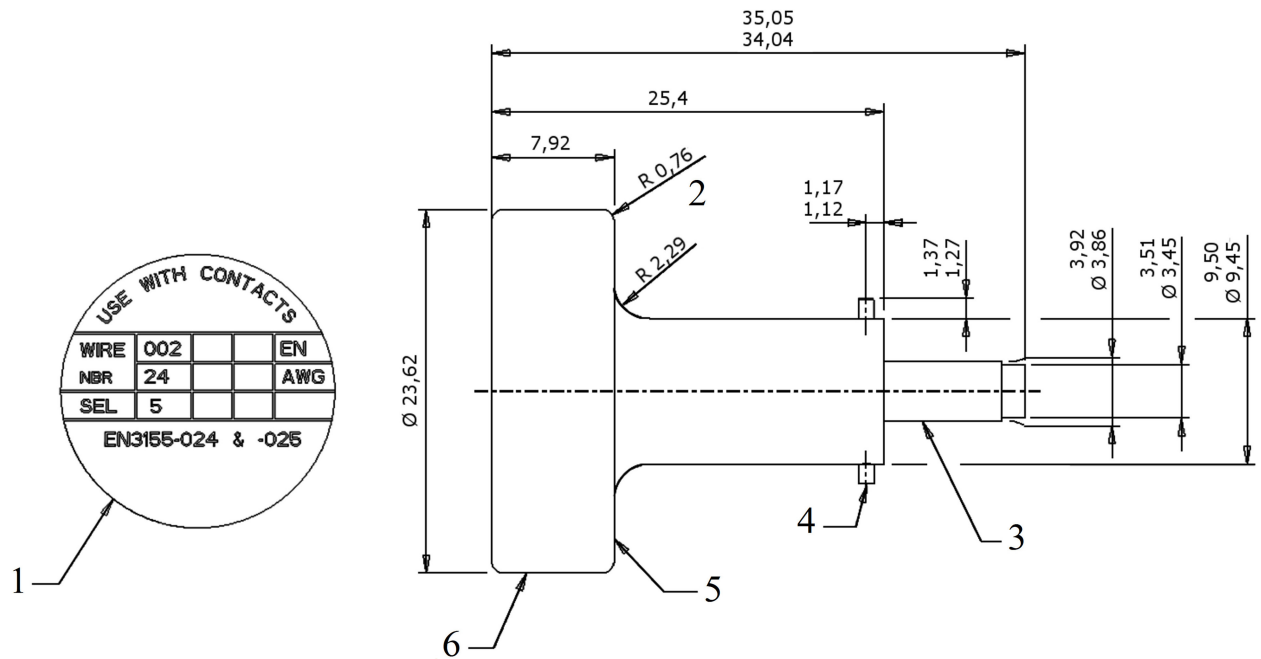
1) Published by: SAE National (US) Society of Automotive Engineers <http://www.sae.org/>

4.2 Dimensions

Dimensions of positioner are given in Figure 1.

Dimensions are given in millimetres.

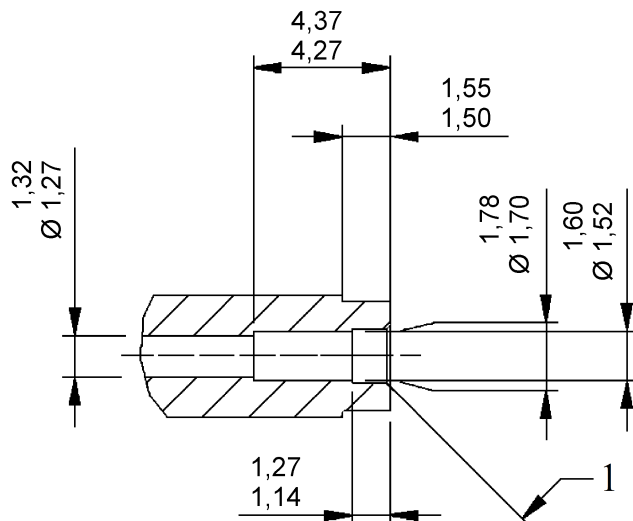
General tolerances: $\pm 0,127$ mm



Key

- 1 Data plate
- 2 2 places
- 3 Locator in extended position, see Figure 2.
- 4 Bayonet lock pins $\varnothing 1,12$
 $\varnothing 1,07$
- 5 Mark on this surface: Manufacturer's name and Part Number
- 6 Mark on this surface: EN 4008-003 "use with M22520/2-01 basic tool" (conform to SAE AS 22520/2-01)

Figure 1 — Locator assembly



Key

1 0,127 × 45° chamfer

Figure 2 — Detail A

5 Designation

EXAMPLE



Number of this standard —————

NOTE If necessary, the code I9005 shall be placed between the description block and the identity block.

6 Marking

See Figure 1.

7 Technical specification

See EN 4008-001.

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