



SLOVENSKI STANDARD
SIST EN 4302:2008
01-junij-2008

5 YfcbUj h_U!`CfcX^`nUj ghUj `Ub^cVfc _UžcXdfhcžcncV^Ybc

Aerospace series - Open ring insert tool, square drive

Luft- und Raumfahrt - Ringeinsteckwerkzeug, offen, verzahnt

Série aérospatiale - Embouts cannelés, à tuyauter, à carré conducteur axial

Ta slovenski standard je istoveten z: EN 4302:2008

[SIST EN 4302:2008](https://standards.iteh.ai/catalog/standards/sist/8db2bf0e-cc40-48ea-b837-bbc98458a54/sist-en-4302-2008)

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ICS:

49.030.99 Drugi vezni elementi Other fasteners

SIST EN 4302:2008 **en**

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ICS 49.030.99

English Version

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This European Standard was approved by CEN on 26 August 2006.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

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COMITÉ EUROPÉEN DE NORMALISATION
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Foreword

This document (EN 4302:2008) 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of an identical text or by endorsement, at the latest by September 2008, and conflicting national standards shall be withdrawn at the latest by September 2008.

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

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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1 Scope

This standard specifies the characteristics of open ring insert tools for splined nuts, metric for aerospace applications.

2 Normative references

The following referenced documents are indispensable for the application 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.

ISO 4156 (all parts), *Straight cylindrical involute splines — Metric module, side fit*.

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

EN 4111, *Aerospace series — Wrenches, splined, sockets for pipe fittings — Technical specification*.

3 Required characteristics

3.1 Configuration - Dimensions - Tolerances

See Figures 1 and 2 and Tables 1 and 2. Dimensions and tolerances are in millimetres.

3.2 Material

Material shall be corrosion resistant. The actual material specification shall be the choice of the manufacturer, provided that the spanner meets the requirements of the technical specification, EN 4111.

3.3 Hardness

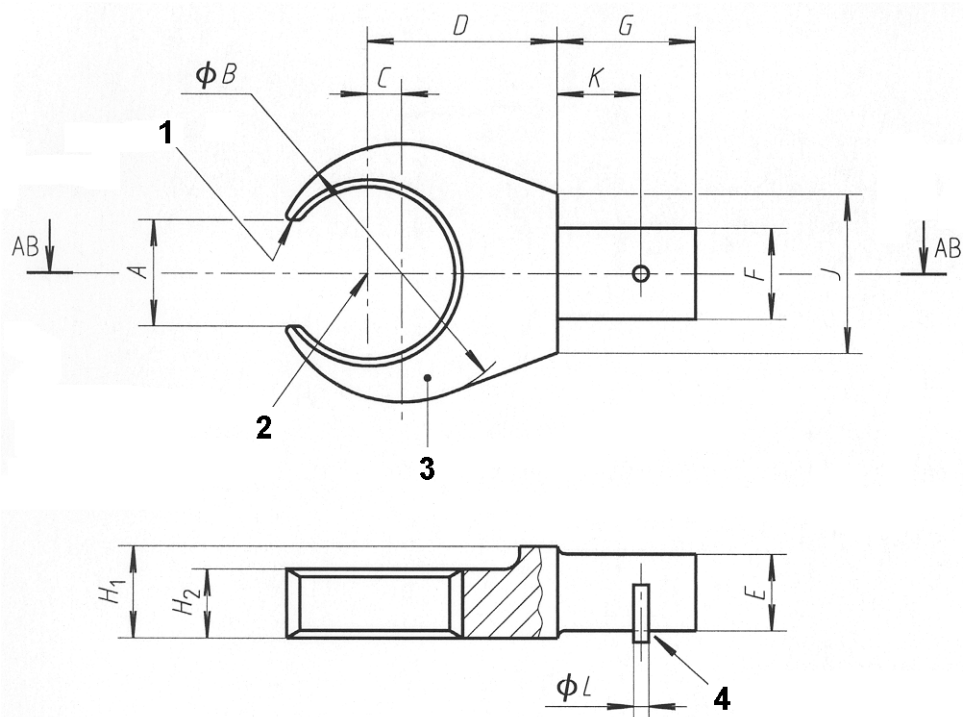
$42 < \text{HRC} < 54$

3.4 Surface treatment

Nickel-chromium coating

Nickel thickness: 5 μm

Chromium thickness: 0,25 μm



Section AB

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Key

- 1 Rad. (2 positions)
- 2 Centre of origin of spline drive. For spline dimensions, see Table 2.
- 3 Marking <https://standards.iteh.ai/catalog/standards/sist/8db2bf0e-cc40-48ca-b837-bbc98458a54/sist-en-4302-2008>
- 4 Retaining method at manufacturers' option

Drawing not to scale

Dimensions not quoted are at manufacturer's discretion.

Dimension "A" to be equidistant about slot centre line.

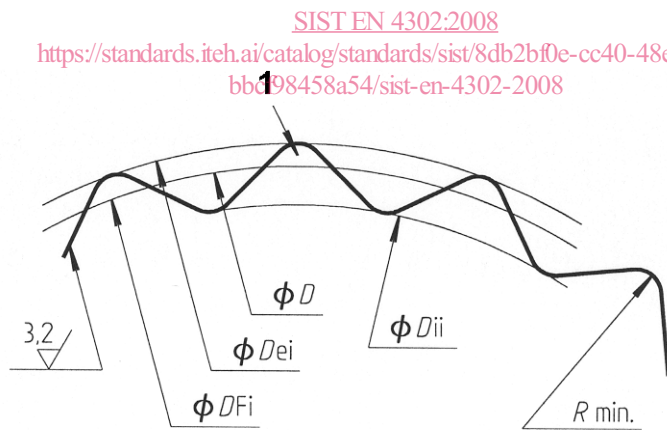
Surface texture to be $R_a 3,2$ unless otherwise specified.

Figure 1

Table 1

DN ^a	A min.	B max.	C ± 0,3	D max.	E - 0,01 - 0,2	F - 0,01 - 0,2	G max.	H ₁ max.	H ₂ max.	J max.	K min.	L h13
04	6,5	22	2	17,5	9	12	16	14	8	22	11,5	4
06	8,5	27										
08	10,5	31										
10	13	33										
12	15	35	3	19								
13	16	36		20								
14	17,5	37		22								
16	19,5	39		25								
18	21,5	44	5	30								
20	23,5	50	6	33								
22	25,5	55,5	8	35	14	18	25	18	10	40	15	5
25	28,5	63	9	38					45			
32	35,5	70	9	38								

^a DN: Diameter Nominal (outside diameter of the corresponding pipe).



Key

- 1 Circular space width $\frac{E}{EV}$

Figure 2