SLOVENSKI STANDARD
SIST EN 2851:2001

01-januar-2001

Aerospace series - Marking of parts and assemblies other than engines - Indications on drawings

Aerospace series - Marking of parts and assemblies other than engines - Indications on drawings

Luft- und Raumfahrt - Kennzeichnung von Bauteilen und Baugruppen ausgenommen Triebwerke - Angaben in Zeichnungen

Série aérospatiale - Marquage des pieces et ensembles autres que moteurs - Indications sur dessins

Ta slovenski standard je istoveten z: **EN 2851:1992**

ICS:

01.100.20	Konstrukcijske risbe	Mechanical engineering drawings
49.045	Konstrukcija in konstrukcijski elementi	Structure and structure elements

SIST EN 2851:2001 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 2851:1992

March 1992

UDC 629.7-2:62-777:744.4

Descriptors: Aircraft industry, drawings, machine components, marking, specification

English version

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart,36 B-1050 Brussels

Foreword

This European Standard has been prepared by the European Association of Aerospace Manufacturers (AECMA).

After enquiries and votes carried out in accordance with the rules of this Association, this Standards has successively received the approval of the National Associations and the Official Services of the member countries of AECMA, prior to its presentation to CEN.

National Standards indentical to this European Standard shall be published at the latest by 1992-09-30 and conflicting national standards shall be withdrawn at the latest by 1992-09-30.

According to the Common CEN/CENELEC Rules, the following countries are bound to implement this European Standard : Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

1 Scope and field of application

This standard defines the method of indicating on drawings, with the exception of engine drawings, the instructions for the marking of parts and assemblies for aerospace applications.

It is applicable whenever referenced.

2 Purpose of marking

The marking shall allow the identification and traceability of parts and assemblies.

3 Indications on drawings

3.1 General

Drawings shall indicate the location and composition of the marking and the marking process(es).

3.2 Marking symbol

A circle divided into 4 quadrants as shown in figure 1.

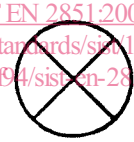

Figure 1

This symbol shall be connected to the location of the marking by a line ending in an arrow or a dot (see 3.3.2). The size of the symbol shall be compatible with micro-filming requirements as well as those of computer aided design.

3.3 Location of marking

3.3.1 Choice

It shall be such that the marking :

- does not impair the manufacturing tolerances or the required surface conditions,
- does not jeopardize strength,
- remains visible after installation, if possible.

3.3.2 Identification

3.3.2.1 No precise location within an area on a surface

The line shall end in a dot or an arrow depending upon which view is used to indicate the surface (see figures 2 and 3).

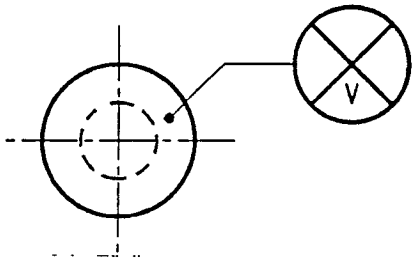

Figure 2

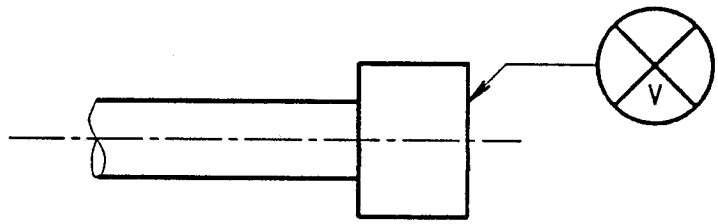

Figure 3

3.3.2.2 Location defined within an area on a surface

The line shall end in a dot inside the zone defined by a fine chain-dotted line (see figure 4).

This zone may be dimensioned.

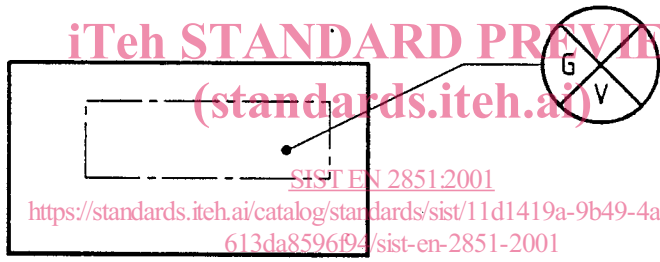

Figure 4

3.3.2.3 Optional location

The information concerning the composition of the marking (see 3.4) and the marking process(es) (see 3.5) shall be combined with reference to this standard (see 4).

3.4 Composition of the marking

The marking may include any of the elements listed in table 1.

The choice of elements shall be the responsibility of the design office but in accordance with the specific project rules. The composition shall be established on the drawings by entering codes above the horizontal part of the identification line (see figure 5).

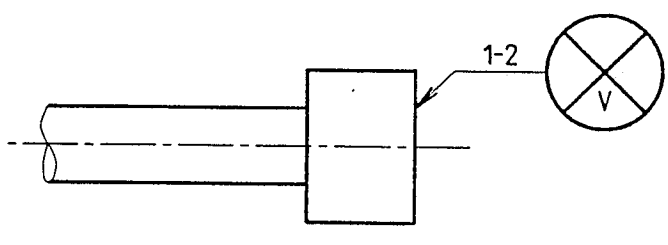

Figure 5

Table 1

Code	Elements
1	Part number of the part or assembly [1] with, possibly the modification number or issue status
2	Manufacturer's identification (name, logo, code)
3	Serial number
4	Production batch number
5	Material batch number
6	Sub-contractor's identification
7	Life code
8	Material type (only for « as received » parts)
9	Category of the « as received part » (casting, band and die forging)
10	Identification of melt (of a casting)
11	Purchaser's stores code
—	Inspection stamp [2]
—	Identification of non-conformance [3]

1) If the marking includes the part number, it shall be placed at the head of the entry.
2) Being always necessary, this element does not need a code.
3) This information is not known by the design office at the time the drawings are issued, therefore it is not possible to allocate a code.

3.5 Marking process

The marking processes are set out in table 2.

The choice shall be the responsibility of the design office but in accordance with the specific project rules. It shall be indicated on the drawings as follows :

3.5.1 Only one process is permissible

The code corresponding to the chosen process (see figure 6) shall be written in the lower quadrant of the symbol.

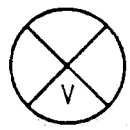

Figure 6

3.5.2 Choice of more than one process is permissible

Codes corresponding to the chosen processes shall be written in the quadrants of the symbol (see figure 7). If necessary, multiple symbols shall be used (see figure 8).

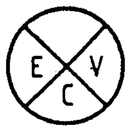

Figure 7

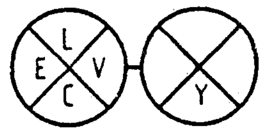

Figure 8

3.5.3 Process choice is unrestricted

The corresponding code shall be placed in the lower quadrant of the symbol (see figure 9).

Figure 9