

**Hollow bars for machining - Technical delivery
conditions - Part 2: Stainless steels with specified
machinability properties**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 10294-2:2012 sisaldab Euroopa standardi EN 10294-2:2012 ingliskeelset teksti.	This Estonian standard EVS-EN 10294-2:2012 consists of the English text of the European standard EN 10294-2:2012.
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ICS 77.140.75

English Version

Hollow bars for machining - Technical delivery conditions - Part 2: Stainless steels with specified machinability properties

Barres creuses pour usinage - Conditions techniques de
livraison - Partie 2: Aciers inoxydables à usinabilité
spécifiée

Stahlrohre für die spanende Bearbeitung (Drehteilrohre) -
Technische Lieferbedingungen - Teil 2: Nichtrostende
Stähle mit spezifizierten Zerspanungseigenschaften

This European Standard was approved by CEN on 16 December 2011.

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Foreword

This document (EN 10294-2:2012) has been prepared by Technical Committee ECISS/TC 110 “Steel tubes, and iron and steel fittings”, the secretariat of which is held by UNI.

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of an identical text or by endorsement, at the latest by August 2012, and conflicting national standards shall be withdrawn at the latest by August 2012.

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.

This document differs from ISO 2938, *Hollow bars for machining*.

EN 10294 consists of the following parts, under the general title *Hollow bars for machining — Technical delivery conditions*:

- Part 1: Non alloy and alloy steels;
- Part 2: Stainless steels with specified machinability properties.

Another European Standard series covering tubes for mechanical and general engineering purposes are:

- EN 10297, *Seamless circular steel tubes for mechanical and general engineering purposes - Technical delivery conditions*
- EN 10296, *Welded circular steel tubes for mechanical and general engineering purposes - Technical delivery conditions*.

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1 Scope

This part of EN 10294 specifies the technical delivery conditions for seamless hollow bars made of austenitic (including creep resisting steels) and austenitic-ferritic (duplex) stainless steels, with specified machinability properties, intended for the manufacture of engineering components by machining.

2 Normative references

The following referenced documents are indispensable for the application of this European Standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 10020, *Definition and classification of grades of steel*

EN 10021, *General technical delivery conditions for steel products*

EN 10027-1, *Designation systems for steels — Part 1: Steel names*

EN 10027-2, *Designation systems for steels — Part 2: Numerical system*

EN 10052, *Vocabulary of heat treatment terms for ferrous products*

EN 10088-1, *Stainless steels — Part 1: List of stainless steels*

EN 10168, *Steel products — Inspection documents — List of information and description*

EN 10204, *Metallic products — Types of inspection documents*

CEN/TR 10261, *Iron and steel — Review of available methods of chemical analysis*

EN 10266, *Steel tubes, fittings and structural hollow sections — Symbols and definitions of terms for use in product standards*

EN ISO 377, *Steel and steel products — Location and preparation of samples and test pieces for mechanical testing (ISO 377)*

EN ISO 2566-2, *Steel — Conversion of elongation values — Part 2: Austenitic steels (ISO 2566-2)*

EN ISO 3651-2, *Determination of resistance to intergranular corrosion of stainless steels — Part 2: Ferritic, austenitic and ferritic-austenitic (duplex) stainless steels — Corrosion test in media containing sulphuric acid (ISO 3651-2)*

EN ISO 6892-1, *Metallic materials — Tensile testing — Part 1: Method of test at room temperature (ISO 6892-1)*

EN ISO 10893-10, *Non-destructive testing of steel tubes — Part 10: Automated full peripheral ultrasonic testing of seamless and welded (except submerged arc-welded) steel tubes for the detection of longitudinal and/or transverse imperfections (ISO 10893-10)*

ISO 3685, *Tool-life testing with single-point turning tools*