

<b>STN</b>	<b>Spekané kovové materiály okrem spekaných karbidov</b> <b>Skúšobná tyč bez vrubu na skúšky rázom v ohybe</b> <b>(ISO 5754: 2017)</b>	<b>STN</b> <b>EN ISO 5754</b>  42 0774
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Sintered metal materials, excluding hardmetals - Unnotched impact test piece (ISO 5754:2017)

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 04/18

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EUROPEAN STANDARD

EN ISO 5754

NORME EUROPÉENNE

EUROPÄISCHE NORM

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ICS 77.040.10; 77.160

Supersedes EN 25754:1993

English Version

## Sintered metal materials, excluding hardmetals - Unnotched impact test piece (ISO 5754:2017)

Matériaux métalliques frittés, à l'exclusion des métaux-  
durs - Éprouvette non entaillée pour essai de résilience  
(ISO 5754:2017)

Sintermetalle, ausgenommen Hartmetalle - Ungekerbte  
Probe für den Schlagzähigkeitsversuch (ISO  
5754:2017)

This European Standard was approved by CEN on 2 November 2017.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
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**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

**EN ISO 5754:2017 (E)**

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## **European foreword**

This document (EN ISO 5754:2017) has been prepared by Technical Committee ISO/TC 119 "Powder metallurgy".

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of an identical text or by endorsement, at the latest by May 2018, and conflicting national standards shall be withdrawn at the latest by May 2018.

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

This document supersedes EN 25754:1993.

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### **Endorsement notice**

The text of ISO 5754:2017 has been approved by CEN as EN ISO 5754:2017 without any modification.

# INTERNATIONAL STANDARD

# ISO 5754

Second edition  
2017-09

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## **Sintered metal materials, excluding hardmetals — Unnotched impact test piece**

*Matériaux métalliques frittés, à l'exclusion des métaux-durs —  
Éprouvette non entaillée pour essai de résilience*



Reference number  
ISO 5754:2017(E)

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## ISO 5754:2017(E)



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Ch. de Blandonnet 8 • CP 401  
CH-1214 Vernier, Geneva, Switzerland  
Tel. +41 22 749 01 11  
Fax +41 22 749 09 47  
copyright@iso.org  
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## ISO 5754:2017(E)

### Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 119, *Powder metallurgy*, Subcommittee SC 3, *Sampling and testing methods for sintered metal materials (excluding hardmetals)*.

This second edition cancels and replaces the first edition (ISO 5754:1978), of which it constitutes a minor revision with the following changes:

- Former [Clause 2](#) inserted in [Clause 1](#);
- [Clause 2](#), Normative references, revised;
- [Clause 3](#), Terms and definitions, added.



# Sintered metal materials, excluding hardmetals — Unnotched impact test piece

## 1 Scope

This document specifies the dimensions of an unnotched impact test piece of sintered metal materials. The test piece may be obtained directly by pressing and sintering or by machining a sintered part.

This document applies to all sintered metals and alloys, with the exception of hardmetals. However, for certain materials (for example, materials with low porosity or materials with high ductility), it may be more appropriate to use a notched test piece which, in this case, will give results with less scatter. (In this case, refer to ISO 148-1.)

NOTE For porous sintered materials, the results obtained from impact tests are not necessarily very accurate compared with results obtained from tests on solid metals.

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 148-1, *Metallic materials — Charpy pendulum impact test — Part 1: Test method*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**