



# SLOVENSKI STANDARD SIST EN ISO 8654:2018

01-maj-2018

Nadomešča:  
SIST EN 28654:1998

---

## Nakit - Barve zlatih zlitin - Definicija, barvni odtenki in označevanje (ISO 8654:2018)

Jewellery - Colours of gold alloys - Definition, range of colours and designation (ISO 8654:2018)

Schmuck - Farben von Goldlegierungen - Bezeichnung, Farbenreihe und Kennzeichnung (ISO 8654:2018)

Joaillerie, bijouterie - Couleurs des alliages d'or - Définition, gamme de couleurs et désignation (ISO 8654:2018)

<https://standards.iteh.ai/catalog/standards/sist/179d7e15-70b0-4ab6-8545-833c1659c29d/sist-en-iso-8654-2018>

Ta slovenski standard je istoveten z: **EN ISO 8654:2018**

---

### **ICS:**

39.060            Nakit                                    Jewellery

**SIST EN ISO 8654:2018**                                    **en,fr,de**

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN ISO 8654:2018

<https://standards.iteh.ai/catalog/standards/sist/179d7e15-70b0-4ab6-8545-833c1659c29d/sist-en-iso-8654-2018>

EUROPEAN STANDARD

EN ISO 8654

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2018

ICS 39.060

Supersedes EN 28654:1992

English Version

## Jewellery - Colours of gold alloys - Definition, range of colours and designation (ISO 8654:2018)

Joaillerie, bijouterie - Couleurs des alliages d'or -  
Définition, gamme de couleurs et désignation (ISO  
8654:2018)

Schmuck - Farben von Goldlegierungen - Bezeichnung,  
Farbenreihe und Kennzeichnung (ISO 8654:2018)

This European Standard was approved by CEN on 10 March 2018.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

<b>Contents</b>	<b>Page</b>
<b>European foreword.....</b>	<b>3</b>

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN ISO 8654:2018](https://standards.iteh.ai/catalog/standards/sist/179d7e15-70b0-4ab6-8545-833c1659c29d/sist-en-iso-8654-2018)

<https://standards.iteh.ai/catalog/standards/sist/179d7e15-70b0-4ab6-8545-833c1659c29d/sist-en-iso-8654-2018>

## European foreword

This document (EN ISO 8654:2018) has been prepared by Technical Committee ISO/TC 174 "Jewellery and precious metals".

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 2018, and conflicting national standards shall be withdrawn at the latest by September 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 28654:1992.

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

**iTeh STANDARD PREVIEW**  
Endorsement notice  
(standards.iteh.ai)

The text of ISO 8654:2018 has been approved by CEN as EN ISO 8654:2018 without any modification.

[SIST EN ISO 8654:2018](https://standards.iteh.ai/catalog/standards/sist/179d7e15-70b0-4ab6-8545-833c1659c29d/sist-en-iso-8654-2018)

<https://standards.iteh.ai/catalog/standards/sist/179d7e15-70b0-4ab6-8545-833c1659c29d/sist-en-iso-8654-2018>

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN ISO 8654:2018

<https://standards.iteh.ai/catalog/standards/sist/179d7e15-70b0-4ab6-8545-833c1659c29d/sist-en-iso-8654-2018>

INTERNATIONAL  
STANDARD

ISO  
8654

Second edition  
2018-02

---

---

**Jewellery — Colours of gold alloys  
— Definition, range of colours and  
designation**

*Joellerie, bijouterie — Couleurs des alliages d'or — Définition,  
gamme de couleurs et désignation*

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN ISO 8654:2018](https://standards.iteh.ai/catalog/standards/sist/179d7e15-70b0-4ab6-8545-833c1659c29d/sist-en-iso-8654-2018)

<https://standards.iteh.ai/catalog/standards/sist/179d7e15-70b0-4ab6-8545-833c1659c29d/sist-en-iso-8654-2018>



Reference number  
ISO 8654:2018(E)

© ISO 2018

## iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 8654:2018

<https://standards.iteh.ai/catalog/standards/sist/179d7e15-70b0-4ab6-8545-833c1659c29d/sist-en-iso-8654-2018>



### **COPYRIGHT PROTECTED DOCUMENT**

© ISO 2018

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva, Switzerland  
Tel. +41 22 749 01 11  
Fax +41 22 749 09 47  
copyright@iso.org  
www.iso.org

Published in Switzerland



<b>Contents</b>	<b>Page</b>
<b>Foreword</b> .....	<b>iv</b>
<b>Introduction</b> .....	<b>v</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Designation</b> .....	<b>1</b>
<b>5 Colour measurement</b> .....	<b>2</b>
5.1 General.....	2
5.2 Quantitative method.....	2
5.2.1 Preparation of the samples.....	2
5.2.2 Measurement apparatus.....	2
5.2.3 Measurement method.....	3
5.3 Qualitative method.....	3
<b>6 Gold alloy colours</b> .....	<b>3</b>
<b>Annex A (informative) Recommended chemical composition of colour slips</b> .....	<b>8</b>
<b>Bibliography</b> .....	<b>9</b>

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN ISO 8654:2018](https://standards.iteh.ai/catalog/standards/sist/179d7e15-70b0-4ab6-8545-833c1659c29d/sist-en-iso-8654-2018)

<https://standards.iteh.ai/catalog/standards/sist/179d7e15-70b0-4ab6-8545-833c1659c29d/sist-en-iso-8654-2018>

## ISO 8654:2018(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)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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). (standards.iteh.ai)

This document was prepared by Technical Committee ISO/TC 174, *Jewellery*.

This second edition cancels and replaces the first edition (ISO 8654:1987) which has been technically revised with the following changes: [833c1659c29d/sist-en-iso-8654-2018](https://www.iso.org/standard/833c1659c29d/sist-en-iso-8654-2018)

- add a new colour definition: dark red (6N);
- describe a detailed metallographic preparation for the colour measurement;
- add tables for nominal values and tolerances for  $L^*a^*b^*$  and  $L^*C^*h$ ;
- add figures representing de tolerances in different colour spaces;
- the document was editorially revised.

## Introduction

In the manufacture and sale of articles made of or coated with gold alloys, the colour of the surface of the product is an important characteristic.

This document will enable the purchaser to define his requirements with precision by referring to the designations given within this document and so avoids the need for purchasing orders to be accompanied by colour samples.

## iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 8654:2018](https://standards.iteh.ai/catalog/standards/sist/179d7e15-70b0-4ab6-8545-833c1659c29d/sist-en-iso-8654-2018)

<https://standards.iteh.ai/catalog/standards/sist/179d7e15-70b0-4ab6-8545-833c1659c29d/sist-en-iso-8654-2018>