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

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. 08/18

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EN ISO 8654

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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)

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

EN ISO 8654:2018 (E)

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of an identical text or by endorsement, at the latest by September 2018, and conflicting national standards shall be withdrawn at the latest by September 2018.

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Endorsement notice

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

INTERNATIONAL STANDARD

ISO 8654

Second edition
2018-02

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

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



Reference number
ISO 8654:2018(E)

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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

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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).

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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.

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:

- 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 the 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.

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

1 Scope

This document specifies a limited number of colours of gold alloy and the method to measure colours.

It applies to objects made of gold alloys or coated by gold alloys.

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.

CIE Publication No. 15, *Colorimetry*

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