



SLOVENSKI STANDARD
kSIST FprEN 12165:2015
01-december-2015

Baker in bakrove zlitine - Palice (lite in izstiskane) za izkovke

Copper and copper alloys - Wrought and unwrought forging stock

Kupfer und Kupferlegierungen - Vormaterial für Schmiedestücke

Ta slovenski standard je istoveten z: FprEN 12165

ICS:

77.150.30 Bakreni izdelki Copper products

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English Version

Copper and copper alloys - Wrought and unwrought forging stock

Kupfer und Kupferlegierungen - Vormaterial für
Schmiedestücke

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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FprEN 12165:2015 (E)**European foreword**

This document (FprEN 12165:2015) has been prepared by Technical Committee CEN/TC 133 “Copper and copper alloys”, the secretariat of which is held by DIN.

This document is currently submitted to the Unique Acceptance Procedure.

This document will supersede EN 12165:2011.

Within its programme of work, Technical Committee CEN/TC 133 requested CEN/TC 133/WG 4 “Extruded and drawn products, forgings and scrap” to revise the following standard:

— EN 12165:2011, *Copper and copper alloys — Wrought and unwrought forging stock.*

This document is one of a series of European Standards for the copper and copper alloy products rod, wire, profile and forgings. Other products are specified as follows:

- EN 12163, *Copper and copper alloys — Rod for general purposes;*
- EN 12164, *Copper and copper alloys — Rod for free machining purposes;*
- EN 12166, *Copper and copper alloys — Wire for general purposes;*
- EN 12167, *Copper and copper alloys — Profiles and bars for general purposes;*
- EN 12168, *Copper and copper alloys — Hollow rod for free machining purposes;*
- EN 12420, *Copper and copper alloys — Forgings;*
- EN 13601, *Copper and copper alloys — Copper rod, bar and wire for general electrical purposes;*
- EN 13602, *Copper and copper alloys — Drawn round copper wire for the manufacture of electrical conductors;*
- EN 13605, *Copper and copper alloys — Copper profiles and profiled wires for electrical purposes.*

In comparison with EN 12165:2011, the following significant technical changes were made:

- a) addition of three new materials: CuZn35Pb1,5AlAs (CW625N), CuZn33Pb1,5AlAs (CW626N) and CuZn33Pb1AlSiAs (CW725R) due to the market requirements on restriction of lead and modification of the chemical composition for CuZn39Pb1 (CW611N);
- b) introduction of an optional procedure how to refer to restrictions to the chemical composition imposed by the 4 MS Common Composition List for materials used for products accepted for contact with drinking water;
- c) requirements and test methods for resistance of dezincification modified;
- d) provisions for surface quality added;
- e) mechanical properties for CuZn21Si3P (CW724R) modified.