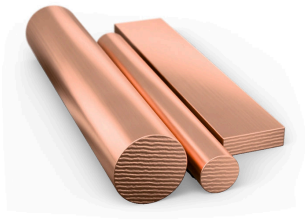
PRODUCT LEAFLET · EDITION NOVEMBER 2026

Special Copper Alloys



Speciality copper alloys

For resistance welding electrodes and mould making



ROD · FLAT BAR

CuCrZr Rod and Flat Bar

CuCr1Zr CuCrZr · CW106C

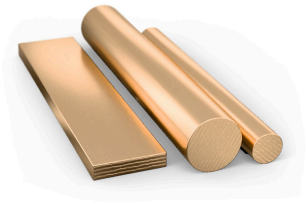
SIZES

Sizes available on request; parts machined to drawing can also be supplied.

ORDERING

Cut to length, minimum 1 kg. Rods of Ø15 mm and below are normally supplied uncut, in full lengths (3 m).

Rod EN 12163 · flat bar EN 12167 · application ISO 5182



ROD · FLAT BAR

CuBe2 Beryllium Copper

CuBe2 Beryllium copper · CW101C

DIAMETER

Ø10–100 mm

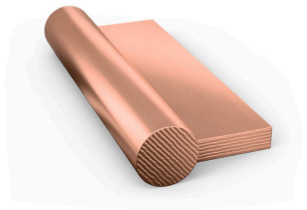
FLAT BAR

10×20 – 50×100 mm

ORDERING

Cut to length, minimum 1 kg

Rod and bar: ASTM B196 (flat bar cut from plate: ASTM B194)



ROD · FLAT BAR

CuCoNiBe Rod and Flat Bar

CuCo1Ni1Be CuCoNiBe · CW103C

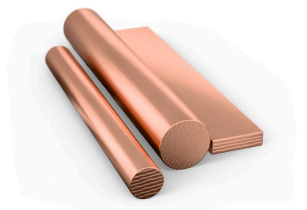
SIZES

Sizes available on request; parts machined to drawing can also be supplied.

ORDERING

Cut to length, minimum 1 kg

Rod EN 12163 · flat bar EN 12167



ROD · FLAT BAR

CuCo2Be Rod and Flat Bar

CuCo2Be Cobalt beryllium copper · CW104C

SIZES

Sizes available on request; parts machined to drawing can also be supplied.

ORDERING

Cut to length, minimum 1 kg

Rod EN 12163 · flat bar EN 12167 · ASTM B441



ROD

CuNi2SiCr Rod

CuNi2SiCr ≈ CW111C

DIAMETER
Ø10–100 mm

ORDERING
Cut to length, minimum 1 kg

Rod standard: EN 12163 (nearest grade CW111C)

Copper-nickel Seawater applications



TUBE

CuNi 90/10 Tube

CuNi10Fe1Mn CuNi 90/10 · CW352H

STOCK SIZES
12×1 · 16×1 · 16×1.2 · 19×1 mm

LENGTH
16×1.2: 5.5 m · others 6 m

ORDERING
Sold by the length (full lengths)

Tube standard: ASTM B111 (seamless)

GRADE EQUIVALENTS

Grades and international equivalents

GRADE	DESIGNATION / EN	DIN	UNS	BS	JIS	DENSITY
CuCr1Zr	CuCrZr · CW106C	2.1293	C18150	–	–	8.91 g/cm³
CuBe2	Beryllium copper · CW101C	2.1247	C17200	–	C1720	8.3 g/cm³
CuCo1Ni1Be	CuCoNiBe · CW103C	–	–	–	–	8.8 g/cm³
CuCo2Be	Cobalt beryllium copper · CW104C	2.1285	≈ C17500	C112	–	8.75 g/cm³
CuNi2SiCr	CuNi2SiCr · ≈ CW111C	–	≈ C18000	–	–	8.8 g/cm³
CuNi10Fe1Mn	CuNi 90/10 · CW352H	2.0872	C70600	CN102	–	8.9 g/cm³

Resistance welding electrode classes (RWMA, via the UNS equivalent): CuCrZr (C18150) Class 2 · CuCo2Be (C17500) and CuNi2SiCr (C18000) Class 3 · CuBe2 (C17200) Class 4.

“Close” marks grades whose composition ranges do not match exactly but are used interchangeably in practice. For critical applications, values should be verified on the material certificate.

CONTACT

For quotations and information

Send us the product, grade, size and quantity. Drawings or specifications can be sent by WhatsApp or e-mail.

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