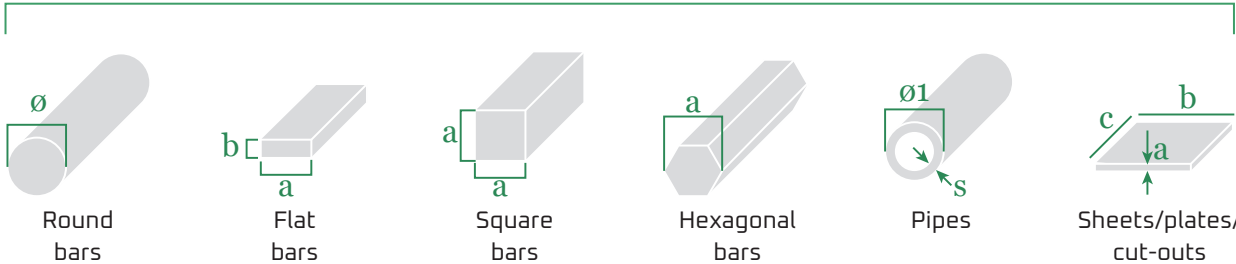


# Copper

## Low-Alloy Copper Alloys

Alloys, international standards\*, and examples of use

### Supply program



Production method: drawn, extruded, rolled, cast, forged.

ISO	ČSN/STN	EN	DIN	UNS	BS	Properties	Application:
CuCrZr		CW106C	2.1293	C18150	C102	Machinable, high hardness and strength with excellent electrical conductivity.	Highly stressed electrodes for resistance welding.
CuCo2Be		CW104C	2.1285	C17500	C112	High strength and conductivity.	Electrodes for resistance welding.
CuCoNiBe		CW103C				High strength and conductivity.	Electrodes for resistance welding, pressure-cast pistons, and molds.
CuBe2		CW101C	2.1247	C17200	CB101	It is characterized by exceptionally high strength and hardness.	Molds, plastic forming tools. Electrodes for resistance welding and butt welding.
CuNi2Si	423054	CW111C	2.0855	C18000	C102	High strength and conductivity.	An alloy suitable for welding jaws and machine components requiring higher hardness and electrical conductivity.
CuTeP		CW118C	2.1546	C14500	CA109	Excellent electrical conductivity. Excellent machinability, good cold compression, and excellent hot compression. Weldable and solderable.	Connector contacts and other electronic applications.
CuNi2Be		CW110C	2.0850	C17510		Similar to CuCoNiBe, but with higher electrical properties and heat transfer capabilities.	Primarily used for welding wheels, die welding tools, piston tips in aluminum die-casting machines, and components in injection mold tools.
CuZr		CW120C	2.1580	C15000			
CuCr	423039	CW105C	2.1291	C18200	A2M		
CuNi1Si		CW109C					
CuNi3Si		CW112C					

\* The listed standards are equivalent but may not be identical and could differ.