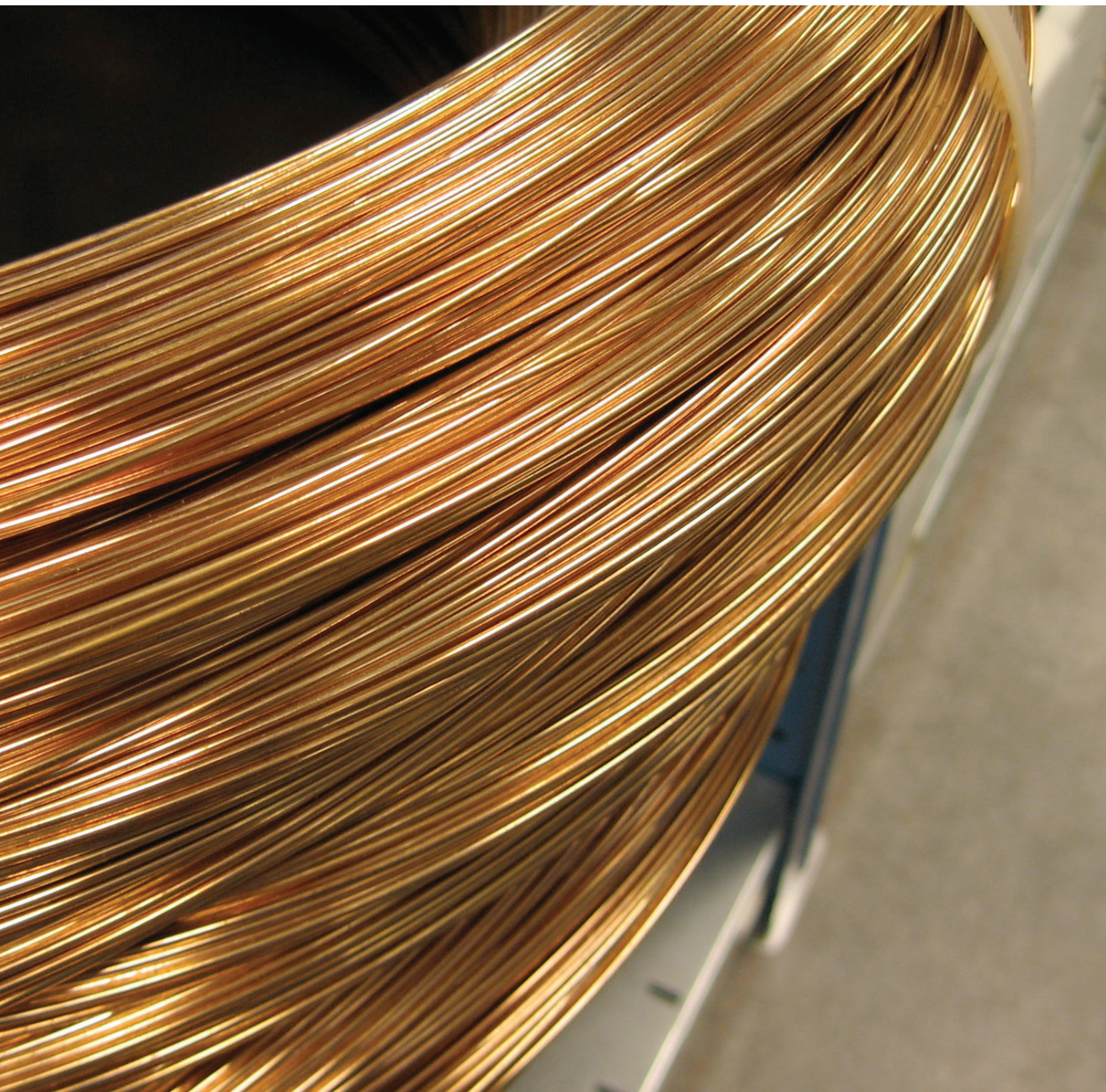


HARALD PIHL

SPECIAL ALLOYS AND TITANIUM



HARALD PIHL IS A STOCKHOLDER AND SUPPLIER OF COPPER ALLOYS
PRODUCTS USED FOR RESISTANCE WELDING, MOULDS, SPRINGS AND
DIECASTING PISTONS – UPDATED STOCKLIST AT WWW.HARALDPIHL.COM

MAKE HARALD PIHL YOUR COPPER ALLOYS SUPPLIER TODAY



HARALD PIHL is a family company with a long history. The company was founded in 1912 by Harald Pihl and is still today, over 100 years later, managed by the third and fourth generation of the Pihl family. Our longstanding experience guarantees a vast knowledge of metallurgy. .

We supply in to, among other markets; Industrial, Medical, Aerospace, Automotive, Oil/ Gas/Subsea and processes industry all over the world.

We are Europe's largest stockholder of Copper alloys, Nickel alloys and Titanium. With 9 offices spread across the world we strongly believe in local presence to give our customers the best possible service.

For HARALD PIHL, no delivery is too big, too small or too complicated. With a passion for copper, we listen and understand your need and our daily goal is to meet your requirements and exceed your expectations. That's why we think you should try us as your partner.

Quality is always a top priority when carrying out our daily tasks and our Quality Management System is certified in accordance to ISO 9001 and AS 9120.

We are well-known for our fast deliveries, regardless of where in the world you are. An order acknowledged before lunch is sent that same afternoon. Our excellent connection with our forwarders means that you will have your goods in a few days time, almost as we were next door.

HARALD PIHL DELIVERS A WIDE RANGE OF PREMIUM COPPER ALLOYS, PROVIDING EXCELLENT MECHANICAL AND PHYSICAL PROPERTIES.

COPPER ALLOYS

(Used for welding electrodes, moulds and diecasting pistons)

CuCr1Zr (UNS C18150, CW106C)

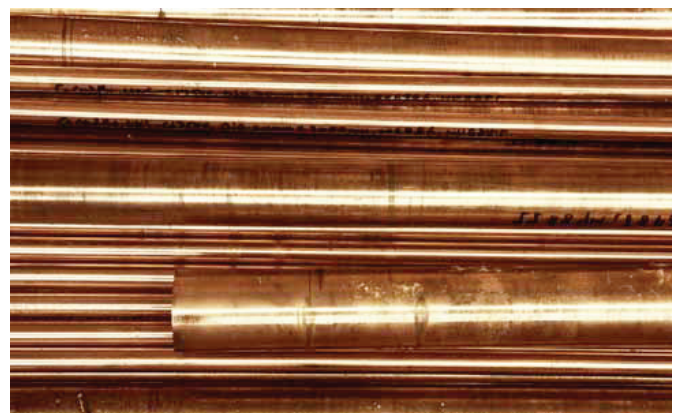
CuCr1Zr is a Copper alloy with small contents of Chrome and Zirconium to increase the hardness compared to pure Copper. The alloy is hard with excellent electrical and thermal conductivity. Mainly used for spot and seam welding of Carbon and stainless steel.

CuCo2Be (UNS C17500, CW103C/CW104C)

A very hard Copper Beryllium alloy with good electrical conductivity. Mainly used for spot and seam welding of stainless steel, but also for hot, projection and resistance welding. CuCo2Be is also used for pistons when die casting Aluminium and for mould cores.

CuNi2SiCr (UNS C18000, CW112C)

A hard Beryllium free alternative to CuCo2Be with good thermal conductivity. Mainly used for pistons for die casting of Aluminium and for mould cores. Also for resistance welding.



COPPER ALLOYS

(used for springs, moulds)

CuSn6 (UNS C51900, CW452K,)

Tin bronze, also known as Phosphor bronze. An alloy with good spring properties and corrosion resistance. Mainly used for electrical and electronic components.

CB2, Alloy 25 (UNS C17200, CW101C)

An extremely hard Copper Beryllium alloy with high thermal conductivity. Spring and contact material. High abrasive wear and corrosion resistance. Easy to punch and form.

Tellurium Copper (UNS C14500, CW118C)

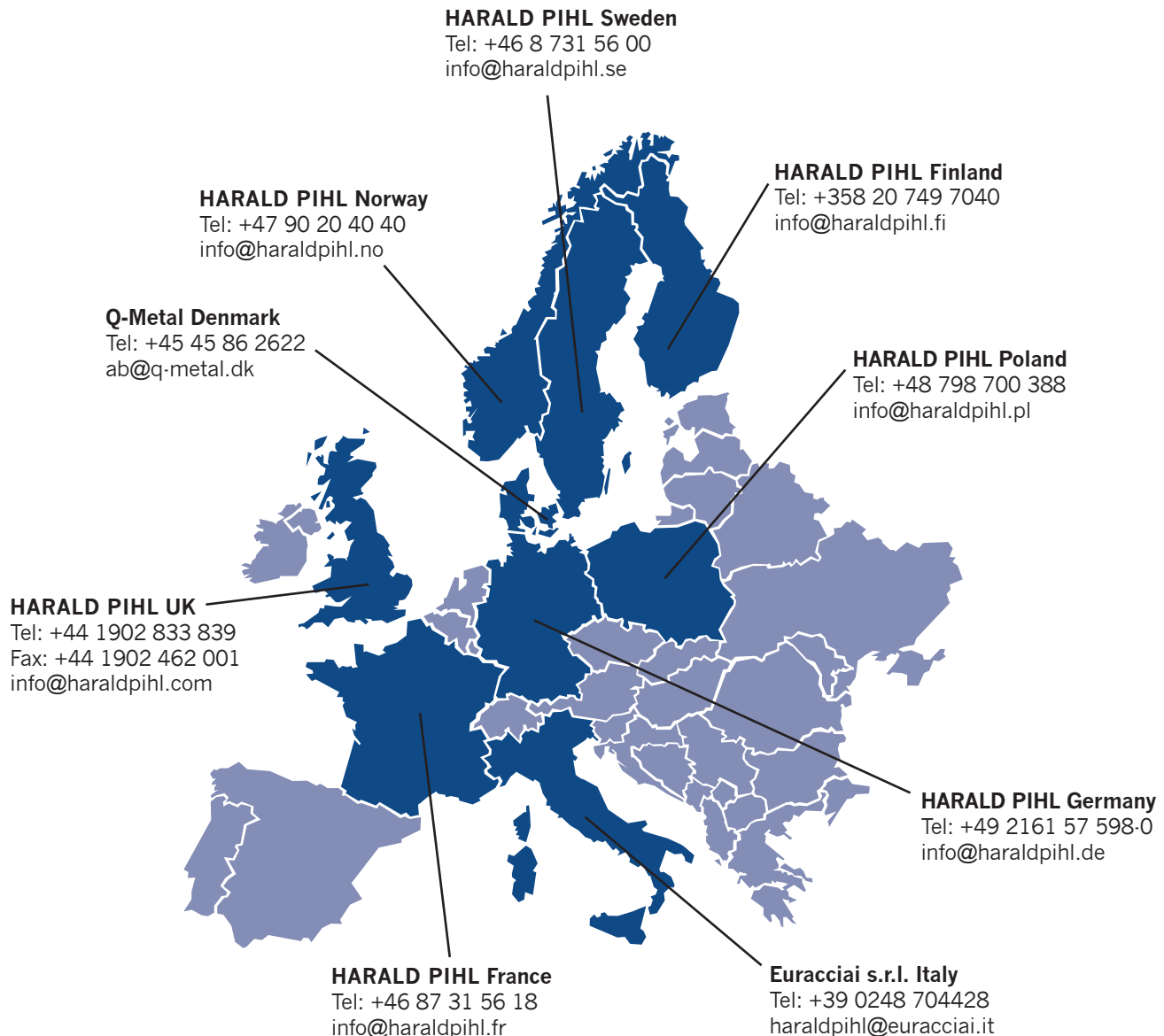
A Tellurium Copper alloy with high electrical conductivity that makes it suitable for electrical applications such as contact springs and relays. The alloy is also used when manufacturing gas cutting nozzles. The addition of 0.5% Tellurium effects the microstructure of the alloy, making the chips shorter when cutting, thus enabling a much higher machining speed compared to pure Copper.



| COPPER ALLOYS | | | | | | | |
|---------------|------------------|--------|--------|------------|-----------------|---------------|------------------|
| W.-Nr | Name | UNS | EN | Round bars | Sheets & plates | Tubes & pipes | welding material |
| 2.0850 | Brush Alloy 3 | C17510 | CW110C | | x | | |
| 2.0850 | CuNi2Be | C17510 | CW110C | | x | | |
| 2.0855 | CuNi2SiCr | C18000 | CW112C | x | | | |
| 2.0872 | CuNi10Fe1Mn | C70600 | CW352H | x | | | |
| 2.0966 | CuAl10Ni5Fe4 | C63000 | CW307G | x | | | |
| 2.1020 | CuSn6 | C51900 | CW452K | x | x | | x |
| 2.1247 | Brush Alloy 25 | C17200 | CW101C | x | x | | |
| 2.1247 | Brush Alloy 190 | C17200 | CW101C | | x | | |
| 2.1247 | CB2 | C17200 | CW101C | x | | | |
| 2.1248 | Brush Alloy M25 | C17300 | | x | | | |
| 2.1285 | CuCo2Be | C17500 | CW104C | x | x | | |
| 2.1293 | CuCr1Zr | C18150 | CW106C | x | | | |
| 2.1546 | Tellurium Copper | C14500 | CW118C | x | | | |
| | Brush Alloy 174 | C17410 | | | x | | |
| | CuCoNi2Be | | CW103C | x | x | | |

FOR FURTHER INFORMATION ABOUT AVAILABILITY – PLEASE CHECK OUR DAILY UPDATED STOCK LIST AT: WWW.HARALDPIHL.COM

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