

Offshore and Marine Alloys

Columbia Metals has been serving the offshore and marine industries since 1961.

We hold one of Europe's largest stocks of non-ferrous alloys. Our material is traceable to its original source and is fully certified. And our efficient network of warehouses ensures it is delivered to you anywhere in the world, when you need it.

We can supply material which is ideal for hostile environments:

- Corrosion resistance
- High strength
- Wear resistance
- Dezincification resistance
- Low magnetic permeability
- Spark resistance
- Freedom from hydrogen embrittlement

Our own Trademarked alloys – unique only to us – have proven themselves to be extremely successful in their field. As supported by the thousands of repeat customers over decades.

NIBRON® – Extra High Strength Copper Nickel Silicon

Our flagship alloy. Exceptional strength, toughness and corrosion resistance. Highly recommended for high strength bolting and other critical aggressive subsea applications.

COLDUR A® – Silicon Bronze

The classic marine hardware alloy. Combines strength and toughness, good corrosion resistance, easy fabrication and low magnetic permeability.

COLBRONZE® & COLPHOS 90® – Phosphor Bronze

Traditional marine applications for exposure to normal seawater environments. They offer good strength, corrosion and wear resistance. **COLBRONZE®** offers the highest strength whilst **COLPHOS 90®** is a machinist's dream.





Here is just a selection of recommended offshore and marine related alloys that we can supply. For our full range see our Stock List insert or visit our website.

Other grades/specs available on request.

When purchasing from Columbia Metals you can be assured you're in safe hands. We have ISO 9001:2008 certification audited yearly by the British Standards Institute (BSI).

Our Quality Management System ensures we only source material from quality mills, provide full batch traceability and offer a full technical advisory and back up service.

Aluminium Bronze	DSTAN 02-833 • NES833 • DSTAN 02-834 • NES834 CA102 Type CuAl6Ni2 • CA104 • BSB23 • DTD197A C63000 • CW307G • COLSPEED 90® (free machining) - C64110
Controlled Expansion Alloys	Alloy 36 • Alloy 42 • Alloy 48 • Alloy K
Copper Nickel	CN102 • CW352H • C70600 • CN107 • CW354H • C71500 DSTAN 02-835 • NES835 • NIBRON SPECIAL®
Copper Nickel Silicon	COLSIBRO® – CuNi2Si • TROJAN® – CuNi3Si
Nickel Alloys	Alloy 625 • NA21 • N06625 • Alloy 718 • AMS 5662 • N07718
Nickel Copper	Alloy 400 • NA13 • Alloy K500 • NA18
Phosphor Bronze	PB102 • NES838 • CW451K • PB103 • PB104 • DTD265A COLPHOS 90® (free cutting) - C54400
Silicon Bronze	COLDUR A® – CS101, C65500
Duplex & Super Duplex Stainless Steels	COLDUPLEX® - S31803 • AMAZON 256® - S32550 • S32750 SEACOL 760® - S32760
Titanium Alloys	Ti-6AL-4V to AMS4928 CL AAS • 4911 • 4935 • 4904 • 4907 Ti-3AL-2.5V to AMS4975 • 4976 • 4919 • BS2TA11

Our technical advisory team can assist you on material selection and other specific questions. Contact us now for a competitive quote:

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