

**Copper Alloys**

**DEFSTAN 02-878 Pipe & Tube**

**Datasheet Updated**  
19 December 2024

**SPECIFICATIONS**

Commercial

BS EN 12449-  
CW024A “  
(DEFSTAN 02-  
878 Annex B)

Specifies the selection of tubes and pipes for the transport of liquids and gases within HM Submarines and Surface Ships not in Class.

**CHEMICAL COMPOSITION**

**DEFSTAN 02-878**

Element	% Present
Iron (Fe)	0.60 - 1.00
Manganese (Mn)	0.50 - 1.50
Nickel (Ni)	30.00 - 32.00
Copper (Cu)	Balance

**SUPPLIED FORMS**

- Pipe
- Tube

**MECHANICAL PROPERTIES**

**Classes 2, 3, 4, 6, 7 & 9**

Property	Value
Elongation (Min)	35%
Proof Stress (Min)	140 MPa
Tensile Strength (Min)	400 MPa

**Classes 5 & 8**

Property	Value
Elongation (Min)	16%
Proof Stress (Min)	400 MPa
Tensile Strength (Min)	480 MPa

**DISCLAIMER**

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