

Tobin Bronze

Classification

AWS.A5.8 RB CuZn-A
AS 1167.1 R CuZn-A

Description

TALWELD Tobin Bronze is a bare rod copper-zinc alloy used for brazing or oxyfuel (oxyacetylene) gas welding of steel, cast iron, copper-bronze and nickel alloys. Also called Naval Brass (or Naval Bronze) it is often used on ship or boat repairs for its ease of use and colour match. The deposits are readily machinable. It can be used with standard oxy-fuel torches - a brazing flux is recommended for use with this alloy.

Chemical Composition of Solid Wire

Approx. Melting Point = 895 °C

Cu	Zn	Sn	Al	Pb	Total Others
57.0 – 61.0	Bal.	0.25 – 1.00	0.01 Max.	0.05 Max.	0.50 Max.

Typical Mechanical Properties of Deposit

Tensile strength	Yield strength	Elongation
365 MPa	120 MPa	38%

Packaging

Diam. (mm)	1.6	2.4
Pack	5kg	5kg
Length (mm)	1000	1000

Diam.	5kg Pack
1.6mm	CTCTOBINBRO16
2.4mm	CTCTOBINBRO24

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