

Manganese Bronze

Classification

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

Description

TALWELD Manganese Bronze is a low-fuming copper-zinc alloy used on steels, copper alloys, nickel alloys, and stainless steel. It is available as a bare rod and in convenient-to-use flux-coated format. The deposits are readily machinable. It can be used with standard oxy-fuel torches - a brazing flux is recommended for use with bare rod.

Chemical Composition of Solid Wire

Approx. Melting Point = 890 °C

Cu	Zn	Sn	Mn	Fe	Si	Al	Pb	Total Others
56.0 – 60.0	Bal.	0.80 – 1.10.	0.01- 0.50	0.25 – 1.20	0.04 – 0.15	0.01 Max.	0.05 Max.	0.50 Max.

Typical Mechanical Properties of Deposit

Tensile strength	Yield strength	Elongation
455 MPa	175 MPa	32%

Packaging

Diam. (mm)	1.6	2.4	3.2
Pack	5kg	5kg	5kg
Length (mm)	1000	1000	1000

Diam.	5kg Pack- Bare Rod	5kg Pack – Flux Coated
1.6mm	CTCMANGBRO16	
2.4mm	CTCMANGBRO24	CTCMANGBROFX24
3.2mm	CTCMANGBRO32	CTCMANGBROFX32

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