

**Selection Chart for Copper Alloys**

<b>Base metal</b>	<b>GMAW</b>	<b>TIG</b>	<b>Braze Weld</b>
High Purity Copper	<b>Talweld De-Ox</b>	<b>Talweld De-Ox TIG</b>	
Electrolytic Copper	<b>Talweld De-Ox</b>	<b>Talweld De-Ox TIG</b>	
Silicon Bronze	<b>Silicon Bronze</b>	<b>Silicon Bronze TIG</b>	
Phosphor Bronze	<b>Phos-C</b>	<b>Phos-C TIG</b>	
Gunmetal (non-lead only)	<b>Phos-C</b>	<b>Phos-C TIG</b>	
Copper-nickel	<b>Monel 67</b>	<b>Monel 67 TIG</b>	
Aluminium Bronze	<b>Aluminium Bronze</b>	<b>Bronzeweld A2</b>	
Nickel-Al Bronze	<b>Nickel-Al Bronze</b>		
Brasses (Cu-Zn)	<b>Silicon Bronze</b>	<b>Silicon Bronze TIG</b>	<b>Tobin Bronze</b>
Nickel Silver			<b>Nickel Bronze</b>
Copper to steel	<b>Talweld De-Ox</b>	<b>Talweld De-Ox TIG</b>	
Brass to steel	<b>Silicon Bronze</b>	<b>Silicon Bronze TIG</b>	<b>Mang. Bronze</b>
Galvanized steel (thin sections)	<b>Silicon Bronze</b>	<b>Silicon Bronze TIG</b>	
Braze welding of steel, cast iron			<b>Mang. Bronze</b>
Braze welding of nickel based alloys			<b>Nickel Bronze</b>
Tungsten carbide tips for m/c tools			<b>Nickel Bronze</b>
Leaded brasses	Not recommended for welding		



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