

# WELDING MATERIAL SALES

## Technical Information

### RBCuZn-D

**RBCuZn-D** Nickel Silver (RBCuZn-D) is a bare or flux coated brazing rod used widely as a replacement for high cost silver brazing alloys when higher brazing temperatures are acceptable. The weld deposits have a very high tensile strength, good ductility and excellent corrosion resistance. Nickel Silver weld deposits are also readily machinable and will not work harden when put into service. A neutral or slightly oxidizing flame is recommended.

**Typical Applications:**

Brazing tungsten carbides, copper alloys, nickel alloys, stainless and carbon steel; building up and/or overlaying worn parts such as gear teeth, bearings, and valve seats; brazing steel or cast iron where good color match is desired

<b>AWS Class:</b> RBCuZn-D	<b>Certification:</b> AWS A5.8/A5.8M:2011
<b>Alloy:</b> RBCuZn-D	<b>ASME SFA</b> A5.8

<b>Brazing Position:</b> H, V	<b>Brazing Range:</b> 1720-1800°F
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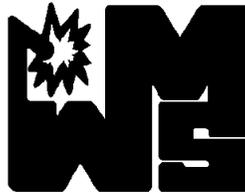
<b>Tensile Strength, kpsi:</b>	80-98
<b>Elongation %, min:</b>	25



<b>Melting Point</b>	1715°F	<b>Solidification</b>	1690°F	<b>Brinell Hardness</b>	90-110
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**Typical Wire Chemistry as per AWS A5.8** (single values are maximum)

Cu	Zn	Ni	P	Pb	Al	Si	Other
46.0-50.0	Rem	9.0-11.0	0.25	0.05	0.01	0.04-0.25	0.50



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[www.weldingmaterialsales.com](http://www.weldingmaterialsales.com)