

## CuAl14Fe4Mn2

Aluminum Bronze

Norms	Description	Applications
UNS C95900	Extremely hard and wear resistant bronze used for low speeds and very high load bearing applications.	<ul style="list-style-type: none"> <li>● Bending Dies</li> <li>● Wiper Dies and Mandrels</li> <li>● Wear &amp; Guide Plates</li> <li>● Aircraft Landing Gear Bearings</li> <li>● Gear Wheels</li> </ul>

Chemical Composition	Mechanical Properties	Physical Properties
<b>Al</b> 14 % <b>Fe</b> 4,0 % <b>Mn</b> 1.5 % <b>Others</b> 1.0 % <b>Cu</b> Balance	<b>Hardness</b> 360 - 400 HB <b>Tensile Strength</b> 550 - 700 N/mm <sup>2</sup> <b>Yield Strength</b> 500 - 600 N/mm <sup>2</sup> <b>Elongation (L=5D)</b> > 1 %	<b>Electrical Conductivity</b> min. 8 % IACS <b>Thermal Conductivity</b> 50 W/mK <b>Density</b> 7.25 g/cm <sup>3</sup>

Available Forms	Delivery Conditions
	Forged (additionally heat treated on request)

### STANDARDS & CERTIFICATION

The quality control process is certified with **UNI EN ISO 9001:2015**

In our laboratories, all products are controlled with Optical Emission Spektrometer (OXFORD INSTRUMENTS), hardness/ electrical conductivity tests with bench-type hardness measurements, mobile conductivity testers according to **DIN 3.1.B STANDARDS**.

On request We deliver our products with US Tested (second level ultrasonic report) by third-party independent laboratories

### By phone

**Türkiye (Turkish):**  
+90 (216) 394 1 666

**International (English):**  
+90 (533) 594 4 389

Mon. – Thurs. 9:00 - 18:00 (GMT+3)  
Friday 9:00 - 15:00 (GMT+3)

### By mail

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