



Cylindrical Rod



Rectangular Bar



Square Bar

Brass and Copper Information

Also referred to as "red metals", both brass and copper are electrically and thermally conductive.

BRASS

An alloy of copper and zinc, brasses are, in general, more malleable and machinable than either copper or zinc, but cannot be heat treated.

COPPER

The base for all "red metals," copper is corrosion-resistant and can be easily soldered and brazed. It also has the best thermal and electrical conductivity of any of the red metals.

BRASS/COPPER COMPARISON CHART

Material	Tensile Strength (psi)	Yield Strength (psi)	Thermal Conductivity (@ 68°F)	Electrical Conductivity (@ 68°F)	Elongation in 2"	Density (Lbs./In. ³)	Machinability
Brass - Alloy 360	58,000	45,000	67	26	25%	0.307	Excellent
Copper - Alloy 110	48,000	44,000	226	101	10%	0.322	Fair