

Low lead brass rod alloys

C36300 Brass

Good machinability, forgeability and thread rolling capability. Easily recyclable with leaded brass, and available in multiple chemistry options for custom applications.

Advantages

- Multiple chemistry options for custom applications
- 100% recyclable
- Good thread rolling capability
- Good forgeability

Application: machining-forging

ASTM: B981

Lengths: 10 to 16 feet


Bundle weights: 1,000 - 4,000 lbs.


Chemistry composition


Cu	Pb	P	Fe	Zn
61.0-63.0%	0.25-0.7%	0.04-0.15%	0.15%	Remainder


Minimum mechanical properties

Diameter (inch)	Tensile strength (ksi)	Yield strength (ksi)	Elongation %
>0.250"-0.500"	63	28	10
>0.500"-1.000"	55	26	12
>1.000"-2.000"	48	24	20
>2.000"	45	20	25

 Round
0.375" - 4.50"

 Hex / RC Hex
0.375" - 2.50"

 Square
0.375" - 2.00"

 Shapes
Cross section up to 2.50"

Diameter tolerances +/-

Diameter (inch)	Round	Hexagonal, Octagonal
>0.250"-0.500"	0.002"	0.004"
>0.500"-1.000"	0.003"	0.005"
>1.000"-2.000"	0.004"	0.006"
>2.000"	0.20%	0.40%

