

C36500

Uninhibited Leaded Muntz Metal

As one of the lower lead alloys offered in the EcoStream™ family of products, Mueller Brass Company's **C36500** alloy provides a viable alternative to those manufacturers who are manufacturing products and components that require compliance with the recently approved **"Reduction of Lead in Drinking Water Act."** The legislation re-defines the term "lead free" to mean "... no more that a weighted average of 0.25% lead when used with respect to the wetted surfaces of pipes, plumbing fittings and fixtures."

With this in mind, Mueller Brass Company's **C36500** alloy provides a lower percentage lead alloy (versus conventional free cutting and forging alloys) that aids in the compliance to this legislation while maintaining machinability ratings near that of conventional free cutting brass.

No Silicon • No Bismuth • No Segregation

In addition to machinability ratings near that of free cutting brass, **C36500** also possesses the virtues and merits of Mueller Brass Company's other EcoStream™ Lead Free and Low Lead alloys. Since no contaminating additives like **bismuth** or **silicon** are used in the production of this alloy, **C36500** is completely recyclable with conventional brass alloys still widely being used for non-potable plumbing and industrial applications.



Advantages:

- Excellent machineability
- Excellent forgability
- Excellent Brazing & Plating
- Excellent ability to Thread Roll
- Completely recyclable

Applications:

- Screw machine parts requiring lower lead content
- Potable water components, fixtures & applications
- Forged components in LEAD FREE compliant products

For More Information:

Please contact your local sales representative or Mueller Brass Company for more information.



Technical Information

Chemistry:

Cu	Pb	Fe	Sn	Zn
58.0 ~ 61.0	0.25 ~ 0.70	0.15 (max)	0.25 (max)	Rem

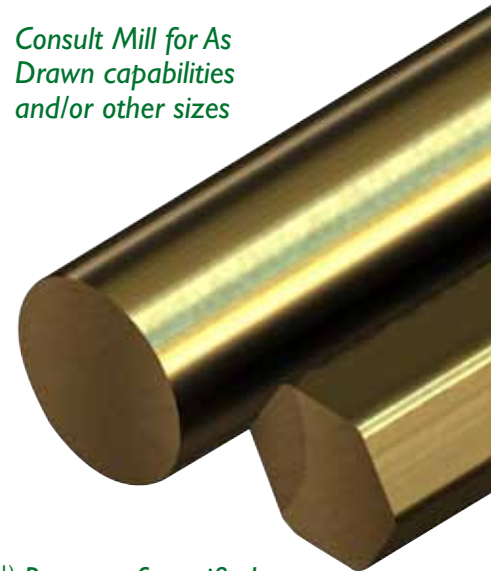
Typical Mechanical Properties:

Rod H02	Tensile Strength (ksi)	Yield Strength (ksi)	Elongation (%)	Hardness (Rb)
	65	45	30%	75

Size and Shape Range:

Rounds	0.250 inches ~ 4.000 inches
Hexagons	0.250 inches ~ 3.500 inches
Squares	0.375 inches ~ 3.000 inches

Consult Mill for As Drawn capabilities and/or other sizes



Diameter Tolerances:

0.250" to 0.375" (inclusive)	+/- 0.002"	+/- 0.004"
0.375" to 0.500" (inclusive)	+/- 0.002"	+/- 0.004"
0.500" to 1.000" (inclusive)	+/- 0.003"	+/- 0.005"
1.000" to 2.000" (inclusive)	+/- 0.004"	+/- 0.006"
> 2.000"	0.20 ⁽¹⁾	0.30 ⁽¹⁾

⁽¹⁾ Percent of specified diameter or distance between parallel surfaces expressed to the nearest 0.001"

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