

C36000

Product Datasheet

Free-Machining Brass

Service. Quality. Value.

Outstanding machinability

C36000 offers excellent machinability with low to moderate strength.

Suitable for high-speed machining operations, C36000 is a free-machining brass product is a lowcost copper zinc lead alloy which is the least expensive of brass alloys with moderate strength. C36000 is one of the widely produced brass alloys in the world. With excellent machinability and formability characteristics, the product finds use in numerous engineering applications. C36000 offers good cor-rosion resistance and is readily brazed or soldered.

If you are looking for a low cost and moderate to low strength brass alloy, this product is highly suitable.



Key Features

- Excellent machinability and formability
- Good corrosion resistance
- Low lead percentage
- Free cutting
- Low cost option

Applications

- Machine screw parts
- High volume parts
- Plumbing components
- Fittings and adaptors
- Fluid connectors

Chemical Composition (weight %)

	Cu	Fe	Pb	Zn	
Min	60.0		2.5		
Max	63.0	0.35	3.7	Rem	

Mechanical Properties (typical)

Tensile Strength	Yield Strength	Elongation at break (in 457.2mm)	Shear Modulus
338 - 469 MPa	124 - 310 MPa*	53%	37 GPa

* Yield strength dependent on temper.

We stock C36000 In round, square, flat and hexagonal forms.