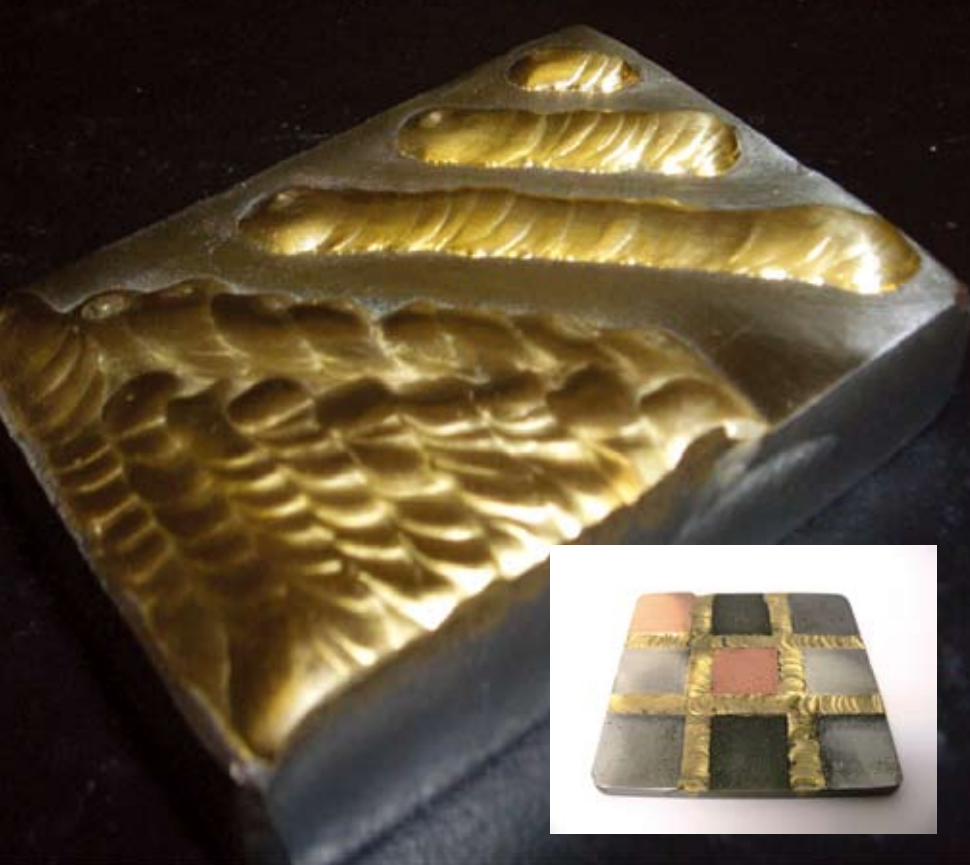




# 28

MAGNA 28 SuperTIG Al-Bronze Alloy



## Super TIG Al-Bronze Alloy

- *Outstanding anti-wear and anti-corrosion TIG filler metal*
- *Excellent for re-building and overlaying corrosion resistant surfaces*
- *High tensile & yield strength and hardness*
- *Versatile applications in marine maintenance environment with superior resistance to saltwater corrosion*

**TRUST  
MAGNA  
FOR** *Ease of Application  
Wide Versatility  
Outstanding Physical  
Properties*

**MAGNA INDUSTRIAL CO. LIMITED**  
*Total Quality Maintenance*



## SPECIAL FEATURES

**MAGNA 28** is a superior non-rusting TIG filler metal for rebuilding or overlaying metal against the most stressful wear and corrosion.

- **MAGNA 28** provides outstanding anti-wear and anti-corrosion performance characteristics
- **MAGNA 28** offers superior protection to parts and components exposed to strong chemicals, oxidizing agents & extreme temperatures
- **MAGNA 28** joins dissimilar metals combinations – essential for ad hoc situations and highly corrosive environments

## OUTSTANDING PROPERTIES

**MAGNA 28**'s advanced formulation offers:

- High tensile strength up to 60,000 psi
- Unique metallurgical characteristics – join dissimilar metals readily with TIG process
- High resistance to oxidation at high temperatures and excellent protection against sulphuric acid & sulphur dioxide
- Superior resistance against stress corrosion cracking or corrosion fatigue

## USE FOR

Use **MAGNA 28** for:

- Joining aluminum bronze of similar composition: silicon and manganese bronze, some copper-nickel alloys, ferrous metals and dissimilar metals
- Marine maintenance and repair welding of ship propellers, pump housings, rigging jacks, piston heads, bearings and many overlay or surfacing applications
- Pump shafts & valve spindles – situations where pitting corrosion in crevices makes stainless steels unsuitable
- Inert gas fans in oil tankers under highly stressed conditions in a variable and very corrosive atmosphere
- Turbine runners, adjusting spindles, paper mill rolls, mixer arms, press rams, lance heads, tin plate mill rolls, impellers, tractor gear housings, brake drums, hydraulic pistons, idler pulleys, pickling hooks



*Magna Industrial reserves the right to modify or change this product for purposes of improving its performance characteristics.*  
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The information contained in this publication supersedes all relevant information previously released and is to the best of our knowledge and accurate at the time of issue on 20 December, 2010.