Engineered specially for welding high-strength low-alloy steels.

Outstanding mechanical properties.

Superior crack resistance – even without preheating.
SPECIAL FEATURES

Magna 305 Super-Tough Alloy for High-Strength Steels enables you to weld higher tensile strength steels faster than ever before.

- **Magna 305** is quality engineered specially for outstanding results even on the most difficult-to-weld steels, including high-strength low-alloy steels.
- **Magna 305** offers superb mechanical properties.
- **Magna 305** provides superior crack resistance – even without preheating.

OUTSTANDING PROPERTIES

Magna 305 is the super-tough alloy for high-strength steels that:

- Provides 116,000 p.s.i. (81.6 kg/mm²) yield strength – 102,000 p.s.i. (71.7 kg/mm²) yield strength.
- Has self-annealing quality to eliminate under-bead cracking, fissures and defects.
- Gives extremely fast deposition rate – eliminates need to chip slag between passes.
- Is fully machinable – machines like free-machining steel.

USE FOR

**Magna 305 (for AC & DC)** is the right choice for welding low-alloy high-tensile construction steels. **Magna 305** also has superior welding properties when welding:

- T-1 Steel
- USS Con-Pac M
- Van-80
- N-A-XTRA 100
- T-1 Type A
- Jalloy S-90
- HY-80
- N-A-XTRA 110
- Armco SSS-100
- Jalloy S-100
- Jalloy S-110
- Jalloy AR-360
- Armco SSS-100A
- HY-90
- SKF327
- Carbon Manganese

**Magna 305** gives great results on problem steel such as:

- Painted Steel
- Rusty Steel
- Oily Steel
- Sulfur-Bearing Steel
- “Tramp” Steel
- Free-Machining Steel
- Cold Rolled Steel