



309

MAGNA 309 FC TIG "RootGard"



FC
TIG
"RootGard"

- *Eliminates Inert Gas Purging in Pre-welding Set-up Procedure – Saves Time & Labor*
- *Excellent Penetration to Provide Back-shielding*
- *Versatile Root Pass TIG Welding Rod for Joining Pipes and Tubes Made of Austenitic Steel, Low Alloy Steel, Carbon Steel and Their Combinations, i.e. Dissimilar Steels*
- *For Pipe Welding in Petrochemical / Chemical Plants, Power Stations, Oil Refineries, etc.*

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



MAGNA INDUSTRIAL CO. LIMITED
Total Quality Maintenance

SPECIAL FEATURES

Magna 309 is the most versatile flux-cored TIG wire designed for applying the root pass in pipe welding without inert gas purging.

- **Magna 309** eliminates the need for inert gas purging and hence saves time, labor and all related pre-welding set-up procedure on site.
- **Magna 309** achieves quality penetration to protect the back-side of the joint from oxidation.
- **Magna 309** is suitable for welding various kinds of austenitic steel, carbon steel, low alloy steel, and their combinations (or dissimilar steels).
- **Magna 309** is approved by ABS (American Bureau of Shipping).

OUTSTANDING PROPERTIES

MAGNA 309 is engineered for the pipe maintenance welding in the process industries with:

- Excellent scaling resistance at temperatures up to 600°C.
- Delicately formulated chemical composition to prevent martensite formation.
- X-Ray quality weld proven by radiography test performed by a renowned laboratory using API test standard.

USE FOR

Use **MAGNA 309** for:

- Quality root pass in pipe welding without inert gas purging.
- Various kinds of austenitic steel, carbon steel, low alloy steel and their combinations.
- Minor repair on Cr-Mo pipes in emergency applications.



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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.