



## STAINLESS STEEL WELDING ELECTRODES

# RASI E 310-16

### TECHNICAL SPECIFICATION SHEET



#### CHARACTERISTICS

RASI E 310-16 is a fully austenitic titania mixed type electrode of the Cr 25-Ni20 group specialising in maximum heat - resisting properties. Welding properties have no match.

#### APPLICATIONS

Furness parts  
Carbon, Moly Steels etc.  
Dis Similar Steels, Including Hardness steels can be Welded.  
Joining of AISI 310 Grade and Similar Composition.

#### EXCLUSIVE FEATURES

Magnificent soft arc with Extremely low spatter & Smoke  
Practically spatter - free. Multi - position operation  
Radiographic quality welds, Easy strike & restrike of arc  
Weld bead smooth & finely rippled. Heat resisting capability upto 1200°C

#### CLASSIFICATIONS

AWS /A5.4 E 310 -16  
IS : 5206 E25.20 R 26

#### CHEMICAL COMPOSITION OF ALL WELD METAL

Carbon - 0.20%	Silicon - 0.75%
Manganese - 2.5%	Sulfur - 0.03%
Phosphorus - 0.03%	Cr - 25 - 28%
Ni - 20 - 22%	

Note: Single Values shown above are maximum

#### MECHANICAL PROPERTIES OF ALL WELD METAL

UTS (MPa) - 550 Min  
ELONGATION (L=4d) - 30% Min.

#### WELDING CURRENT : AC, DC(±)

Ø 2.00 mm - 35 - 45 Amps  
Ø 2.50 mm - 50 - 75 Amps  
Ø 3.15 mm - 80 - 100 Amps  
Ø 4.00 mm - 110 - 140 Amps

**\*FOR APPROVALS AND CERTIFICATIONS KINDLY CONTACT :-  
[info@rasielectrodes.com](mailto:info@rasielectrodes.com)**

storage - Store in warm and dry place. If damped re dry at 300°C for 1 hour.

\*All statements, information and data given are believed to be accurate and reliable but are presented without guarantee, warranty or responsibility of any kind, expressed or implied.

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