

Classification

AWS A 5.9 : ER 310 EN ISO 14343 : W 25 20

Typical weld metal chemical composition (%)

C	Mn	Si	Cr	Ni	Mo	Cu	S	P
0.08-0.15	1.50-2.20	0.30-0.65	25.00-28.00	20.00-22.50	0.75 max.	0.75 max.	0.03 max.	0.03 max.

All weld metal mechanical properties (typical)

Yield Strength (N/mm ²)	Tensile Strength (N/mm ²)	Elongation A5 (%)	Impact energy ISO-V(J) 20°C
≥ 350	≥ 550	≥ 30	≥ 47

Description

ITR 310 is a stainless TIG rod conforming to ER 310 with 25% Cr and 20% Ni. Suitable for welding steels with similar chemical compositions or dissimilar steels. The weld deposit is fully austenitic. Excellent high temperature corrosion resistance.

Materials

AISI 310; 1.4845 (X8CrNi25-21); 1.4841 (X15CrNiSi25-21); 1.4828 (X15CrNiSi20-12)

Current conditions

DC (-)

Storage

Keep dry and avoid condensation

Packing data

Size (mm) DxL	0.80 x 1000	0.90 x 1000	1.00 x 1000	1.20 x 1000	1.60 x 1000	2.00 x 1000	2.40 x 1000	3.20 x 1000	4.00 x 1000
Net wt. per tube (kg)	5	5	5	5	5	5	5	5	5
Net wt. per box (kg)	20	20	20	20	20	20	20	20	20

Welding positions

