

# Technical Data Sheet

## UGIALLOY® 182

### Chemical composition (%)

C	Si	Mn	Ni	Cr	Cu	Fe	(Nb+Ta)	Ti
≤ 0.02	≤ 0.5	2.5 – 3.5	≥ 61.0	15.0 – 18.0	≤ 0.3	5.0 – 6.0	1.5 – 2.5	≤ 0.5

01-10-2021 – REV 05

### Classification

Nickel Chromium Iron grade

### Designation

#### Material No.

Europe – EN ISO 18274	USA – AWS A5.11	Europe – WNr.
	** ENiCrFe- 3	2.4620

### Available products

Process	Shape	Diameter Range	Packaging	Weight
TIG	Rods	1.0 – 4.0 mm	Cardboard tubes	5 kg
		0.8 – 1.6 mm	Metallic spools – BS 300	15 – 18 kg
			Plastic spools – D 200	5 kg
MIG	Wire	0.8 – 1.2 mm	Plastic spools – D 300	15 kg
		1.0 – 1.6 mm	Plastic spools – D 350	25 – 27 kg
		0.8 – 1.2 mm	Pay off pack - Drums	250 – 500 kg
SAW	Wire	1.6 – 3.2 mm	Rims K415 / 300 / 94	20 – 25 kg
			Rims K435 / 300 / 70	

Contact us for dimensions

### Applications

UGIALLOY® 182 is a core wire grade for coated electrodes used for the following applications:

- » Welding of nickel alloys type 600-601.
- » Welding of 9 % nickel steels for low temperature;
- » Dissimilar welding applications joining MONEL Type 400 with carbon steel and INCONEL type alloy 600 to Nickel 200.
- » Heterogeneous welding for high temperature.
- » Anti-corrosion cladding.



**Swiss Steel Group**

Production sites: Ugitech SA  
www.swisssteel-group.com