

TECHNICAL DATA

Specification

Material Number.: 2.4155

AWA A5.14 : ERNi-1

EN ISO 18274 : S Ni 2061 (NiTi3)

Compatible base material : LC Nickel ex. Ni99.6 (2.4061), low alloyed Ni alloys ex. NiMn1 (2.4106) and NiMn5 (2.4116), G-Ni95 (2.4170) as well as joint with steel, cast iron, copper and copper with high-alloyed steel, coating and buffer layers

Field of Applications

Pure Nickel with 3% Titanium , particularly low carbon content, weld to material for operating temperature unto +450 C; tough at sub-zero down to -196 C.

Mechanical Properties

Elongation A (L=5d%)	30
Tensile Strength Rm (N/mm ²)	500
0.2%-yield strength (Rp0.2)(mpa)	300

Composition in %				
C 0.02	Si 0.40	Mn 0.40	Fe <0.20	Ti 3.00
Ni Rest				

Available Sizes:

MA125 Spools/ Rod 500 mm: Ø mm 0.2 / 0.3 / 0.4 / 0.5 / 0.6 / 0.7 / 0.8

Rods (500 mm): Ø mm 1.0 / 1.2

Welding Instructions

Clean welding area required. Remove crack completely. No need of pre-heating for pulse laser welding process.



EN 10204/3.1 2005 Quality Certified



e-version