



Characteristics and scope of application

- Filler metal for Ni alloys of the 200 series
- Recommended for dissimilar welds of pure Ni grades to mild steels or CuNi alloys
- Excellent corrosion resistance in alkaline media

Standard designations

DIN EN ISO 18274	AWS A5.14	DIN Mat.-No.
S Ni 2061 (NiTi3)	ERNi-1	2.4155

Typical chemical composition of filler metal

	C	Ti	Ni	Si	Mn	Al	Fe
Mass %	0.02	3.3	Bal.	0.3	0.35	0.2	0.1

All weld metal properties (min. values at rt)

Heat treatment	Yield strength	Tensile strength	Elongation	Impact toughness	
	R _{p0.2}	R _m	A ₅	ISO-V	
as welded	300 MPa	450 MPa	30%	150 J	

Welding instructions

Polarity	Shielding gas acc. to DIN EN ISO 14175
DC / +	I1, I3, Z (ArHeHC-30/2/~0.1)
DC / -	I1, I3, R1 (max. 5% H ₂)

Low heat input and interpass temperature < 120°C. Stringer bead technique recommended.

Base materials
2.4066 – Alloy 200 – Ni 99,2
2.4068 – Alloy 201 – Ni 99,6
CMn steels acc. to DIN EN ISO 15608 Gr. 1 - 2

Packaging (tolerances acc. to DIN EN ISO 544)

Approvals on request

Diameter (mm)		kg
1.6 / 2.0 / 2.4 / 3.2	X 1000 mm	5 / 10
0.8 / 1.0 / 1.2	BS 300 spool	15
1.6 / 2.4 / 3.2	K 415 / K 435 spool	25