

## XP NiCrMo-3 (ALLOY 625)

NICKEL ALLOY



### CLASSIFICATIONS

EN ISO 18274	AWS A5.14
S Ni 6625 - NiCr22Mo9Nb	ERNiCrMo-3

### KEY FEATURES AND APPLICATIONS

- High-nickel alloy wire specifically designed for welding and cladding nickel-based materials, including types like 625 or similar.
- Solid-drawn using a unique process, resulting in cleaner, higher-quality welds that feature a bright appearance and excellent ductility.
- Alloy 625 has strong resistance to both pitting and stress corrosion.
- Recommended for use in applications where temperatures range from cryogenic up to 540°C.
- Commonly used in demanding sectors such as the chemical processing industry, marine engineering, nuclear reactor component manufacturing, aerospace, and pollution control equipment.

### BASE MATERIALS

Inconel 601, Incoloy 800, Alloy 625, Alloy 825, Alloy 926

### CHEMICAL COMPOSITION OF WIRE %

	C	Mn	Fe	Si	Cu	Ni	Al	Ti	Cr	Nb	Mo
MIN	-	-	-	-	-	-	-	-	20.0	3.0	8.0
MAX	0.1	0.5	5.0	0.5	0.5	≥58.0	0.4	0.4	23.0	4.1	10.0

Single values are maximum values according to EN ISO 18274

### MECHANICAL PROPERTIES OF ALL-WELD METAL - TYPICAL

Yield Strength (MPa)	Tensile Strength (MPa)	Elongation (%)	Impact ISO-V (J)
≥415	≥760	≥35	≥100

Test data for mechanical properties are not guaranteed since actual as welded conditions depend on numerous variables

### OPERATING DATA

Shielding Gases	Polarity
EN ISO 14175 - I1, I3	DC+

### PACKAGING AND AVAILABLE SIZES

Part Number	Diameter (mm)	Spool	Weight (kg)	Pallet Qty
XP35204	1.0	BS300	15	72
XP35206	1.2	BS300	15	72

250kg drums also available

