

XP ER 2209

STAINLESS STEEL

CLASSIFICATIONS

EN ISO 14343-A	AWS A5.9
W 22 9 3 N L	ER2209

KEY FEATURES AND APPLICATIONS

- Solid corrosion resisting Duplex welding wire for welding of austenitic-ferritic stainless alloys of 22% Cr 5% Ni 3% Mo types.
- The microstructure of the weld metal consists of austenite and ferrite.
- Resistant to intergranular corrosion, pitting, and especially stress corrosion when exposed to media containing chloride and hydrogen sulphide.
- Ideal for service temperatures from cryogenic up to 300°C max.
- Typical used in the petrochemical and offshore industries, as well as acid gas processing and chemical transport sectors.

BASE MATERIALS

1.4462 X2CrNiMoN22-5-3, 1.4362 X2CrNiN23-4, 1.4462 X2CrNiMoN22-5-3 with 1.4583 X10CrNiMoNb18-12, 1.4462 X2CrNiMoN22-5-3 with P235GH/ P265GH, S255N, P295GH, S355N, 16Mo3
UNS S31803, S32205

CHEMICAL COMPOSITION OF WIRE %

	C	Si	Mn	P	S	Cr	Ni	Mo	N	Cu
MIN	-	-	0.5	-	-	21.5	7.5	2.5	0.08	-
MAX	0.03	0.90	2.0	0.03	0.03	23.5	9.5	3.5	0.20	0.75

Single values are maximum values according to EN ISO 14343

MECHANICAL PROPERTIES OF ALL-WELD METAL - TYPICAL VALUES

Yield Strength (MPa)	Tensile Strength (MPa)	Elongation (%)
≥450	≥550	≥20

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	DC-

PACKAGING AND AVAILABLE SIZES

Part Number	Diameter (mm)	Length (mm)	Weight (kg)	Packaging
XP30386	1.6	1000	5	PAP 20 Tube
XP30388	2.4	1000	5	PAP 20 Tube
XP30390	3.2	1000	5	PAP 20 Tube