

DATASHEET RW 2209 – TIG rods

Description and Applications

Austenitic – ferritic stainless steel welding wire used for welding duplex parent metals. Containing chloride and hydrogen sulphide, this alloy has a high resistance to intergranular pitting and stress corrosion. Used in a variety of applications across all industrial segments.

Rodacciai denomination and approximate equivalent with other standards

RW 2209

EN ISO 14343-A:2009	W 22 9 3 N L
EN ISO 14343-B:2009	SS 2209
AWS A5.9-2012	ER 2209
DIN Werkstoff Nr.	1.4462

Filler metal properties

Chemical composition (nominal) in %

	C	Mn	Si	S	P	Cr	Ni	Mo	Cu	Co	N	Ca	Ce
min		1,00	0,30			22,50	8,00	3,00			0,130		
max	0,020	2,00	0,60	0,015	0,020	23,50	9,00	3,50	0,20	0,20	0,170	15 ppm	30 ppm

Metal properties

The following data are typical for non-heat treated weld metal from TIG welding with I1 DIN EN ISO 14175 as shielded gas.

Expected minimum mechanical properties of all weld metal

Temperature	°C	20
Yield strength, Rp 0,2	N/mm ²	600
Tensile strength, Rm	N/mm ²	750
Elongation, A5	%	25
Impact energy, ISO – V	J	160

Sizes and marking

Standard sizes : diam. 1,00 – 1,20 – 1,60 – 2,00 – 2,40 – 3,20 and 4,00 mm

Tolerances on diameter : + 0,01 / - 0,04 mm

Marking : Each rod is stamped one end with ER 2209 and RW 1.4462

Packaging forms

White carton boxes of 5 kg.

Red, white or blue coloured cardboard tubes of 5 kg.

Wooden crates of 250 kg.