

DATASHEET RW 2209 – SAW wire
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	S 22 9 3 N L
EN ISO 14343-B:2009	SS 2209
AWS A5.9-2012	ER 2209

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

Expected minimum mechanical properties of all weld metal in combination with flux

Temperature	°C	20
Yield strength, Rp 0,2	N/mm ²	550
Tensile strength, Rm	N/mm ²	750
Elongation, A5	%	25
Impact energy, ISO – V	J	100

Packaging forms

Wire basket K415 of 25 kg.

Drum packaging of about 300 kg for diameter 2,00 – 4,00 mm.

Diameters : 1,60 – 2,00 – 2,40 – 3,20 – 4,00 mm