

DATASHEET RW 317 LAWS – MIG wire

Description and Applications

Austenitic stainless steel welding wire suitable for welding parent metals of similar composition, in corrosive environments where crevice and pitting corrosion are of concern, with high acids and chlorides concentration.

Rodacciai denomination and approximate equivalent with other standards

RW 317 LAWS

EN ISO 14343-A:2009	G 18 15 3 L
EN ISO 14343-B:2009	SS 317 L
AWS A5.9-2012	ER 317 L

Filler metal properties

Chemical composition (nominal) in %

	C	Mn	Si	S	P	Cr	Ni	Mo	Cu	Co	N	Nb	B
min		1,20	0,30			18,50	13,50	3,50					
max	0,025	1,80	0,60	0,015	0,025	19,50	14,50	4,00	0,30	0,30	0,060	0,050	0,003

Expected minimum mechanical properties of all weld metal

Temperature	°C	20
Yield strength, Rp 0,2	N/mm ²	300
Tensile strength, Rm	N/mm ²	480
Elongation, A5	%	25
Impact energy, ISO – V	J	70

Packaging forms

Blue metallic wire baskets BS300 of 15 kg.

Plastic spools D300 of 12,5 kg for diam. 0,80 mm and of 15 kg for the other diameters.

Diameters : 0,80 – 0,90 – 1,00 – 1,20 – 1,60 mm.