

DATASHEET RW 308 H – MIG wire
Characteristics

Austenitic stainless steel wire, suitable for the welding of chromium nickel alloys of the 18% Cr – 8% Ni types. This alloy has a good general corrosion resistance and the high carbon content makes this alloy suitable for applications at higher temperatures.

Rodacciai denomination and approximate equivalent with other standards

	RW 308 H
EN ISO 14343-A:2009	S 19 9 H
EN ISO 14343-B:2009	SS 308 H
AWS A5.9-2012	ER 308 H

Filler metal properties

Chemical composition (nominal) in %

	C	Mn	Si	S	P	Cr	Ni	Mo	Cu	Co	N	Nb	B
min	0,040	1,00	0,30			19,50	9,00						
max	0,080	2,00	0,60	0,015	0,025	21,00	11,00	0,30	0,30	0,20	0,060	0,050	0,002

Expected minimum mechanical properties of all weld metal

Temperature	°C	20
Yield strength, Rp 0,2	N/mm ²	465
Tensile strength, Rm	N/mm ²	630
Elongation, A5	%	35
Impact energy, ISO – V	J	261

Packaging forms

Blue metallic wire baskets BS300 of 15 kg.

Plastic spools D300 of 12,5 kg for diam. 0,60 – 0,80 mm and of 15 kg for the other diameters.

Plastic spools D200 of 5 kg.

Drum packaging of about 150 kg for diameter 0,80 mm and of about 250 kg for the other diameters.

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