DATASHEET RW 308 H – SAW 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 provides improved creep resistance properties, making 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 308H
AWS A5.9-2012	ER 308H

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 in combination with flux

Temperature	°C	20
Yield strength, Rp 0,2	N/mm²	400
Tensile strength, Rm	N/mm²	600
Elongation, A5	%	35
Impact energy, ISO – V	J	60

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