

**DATASHEET RW 308 LAWS – SAW wire**
**Description and Applications**

Austenitic stainless steel welding wire suitable to weld base metals of similar compositions like AISI 304 and AISI 304L. Low C content reduces the possibility of intergranular carbide precipitation and therefore increases the resistance to intergranular corrosion.

**Rodacciai denomination and approximate equivalent with other standards**
**RW 308 LAWS**

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

**Filler metal properties**

Chemical composition (nominal) in %

	C	Mn	Si	S	P	Cr	Ni	Mo	Cu	Co	Al	Ti	N	Ca	Nb	B	Ce
min		1,50	0,30			19,50	9,50										
max	0,030	2,04	0,60	0,020	0,025	21,00	11,00	0,30	0,30	0,30			0,060		0,050	0,0018	

Ferrite FN (De Long) : 7-11

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

Temperature	°C	20
Yield strength, Rp 0,2	N/mm <sup>2</sup>	400
Tensile strength, Rm	N/mm <sup>2</sup>	550
Elongation, A5	%	35
Impact energy, ISO – V	J	65

**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