

DATASHEET RW 410 NiMo – SAW wire

Description and Applications

Stainless steel welding wire used for welding parent metals of similar composition like 410, 410 S or 405.
Used in different applications, for example for the construction of hydro turbines.

Rodacciai denomination and approximate equivalent with other standards

RW 410 NiMo

EN ISO 14343-A:2009 S 13 4
EN ISO 14343-B:2009 (SS 410 NiMo)
AWS A5.9-2012 (ER 410 NiMo)

Filler metal properties

Chemical composition (nominal) in %

	C	Mn	Si	S	P	Cr	Ni	Mo	Cu	Co	N
min		0,30	0,20			11,50	4,00	0,40			
max	0,025	0,80	0,50	0,015	0,025	12,50	5,00	0,70	0,30	0,20	0,060

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

Temperature	°C	20
Yield strength, Rp 0,2	N/mm ²	500
Tensile strength, Rm	N/mm ²	760
Elongation, A5	%	20
Impact energy, ISO – V	J	50

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