

DATASHEET RW 410 – MIG wire

Description and Applications

Martensitic stainless steel welding wire normally used for welding parent metals of similar composition or for deposition of overlays on carbon and low-alloy steels to resist corrosion, erosion or abrasion. Normally to obtain adequate ductility, preheat and post-weld heat-treatment are required.

Rodacciai denomination and approximate equivalent with other standards

RW 410

EN ISO 14343-A:2009 G 13
EN ISO 14343-B:2009 SS 410
AWS A5.9-2012 ER 410

Filler metal properties

Chemical composition (nominal) in %

	C	Mn	Si	S	P	Cr	Ni	Mo	Cu	N
min		0,20	0,20			12,00				
max	0,120	0,60	0,50	0,015	0,030	14,00	0,50	0,50	0,40	0,060

Metal properties

The following data are typical for PWHT 680°C/8hr (Post weld heat treatment) weld metal from MIG welding with M12, M13 acc. DIN EN ISO 14175 as shielded gas.

Expected minimum mechanical properties of all weld metal

Yield strength, Rp 0,2 N/mm² 450
Tensile strength, Rm N/mm² 650
Elongation, A5 % 15

Packaging forms

Blue metallic wire baskets BS300 of 15 kg.

Plastic spools D300 of 12,5 kg for 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 : 0,80 – 0,90 – 1,00 – 1,20 – 1,60 mm.