

## MT- 410 NiMo

## 1.4351

Ferritic chrome nickel steel wire for MIG/TIG welding of stainless chrome nickel steels.

### Standard designation

Material No.	1.4351
AWS/ASME SFA-5.9	~ER 410 NiMo
EN ISO 14343-A	G/W 13 4

### Main base metals

Ferritic chrome nickel steels, e.g.

1.4313	X3CrNiMo13-4
1.4407	GX5CrNiMo13-4
1.4414	GX4CrNiMo13-4

### Mechanical properties of all - weld - metal (typical values)

Gas shield			I1 untreated +20°C
Thermal treatment			
Test temperature	[°C]		
0,2%-yield strength	R <sub>p0,2</sub>	MPa	600
Tensile strength	R <sub>m</sub>	MPa	750
Elongation	A <sub>5</sub>	[%]	15

### Average chemical composition of all weld – metal (%)

C	Si	Mn	Cr	Ni	Mo
0,03	0,80	0,70	13	4,5	0,5

### Structure

Martensite

### Gas types applicable TIG

I1

### Gas types applicable MIG

M 13

### TIG rod diameters, unit weights

Diameter [mm]	Length [mm]	Kg per box [kg]
1,60	1000	10,0
2,00	1000	10,0
2,40	1000	10,0
3,20	1000	10,0

### MIG welding wire

Diameter            0,8mm            1,0mm            1,2mm            1,6mm

### Current/Polarity TIG

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### Current/Polarity MIG

= +