

# GM 410 Ni Mo



GMAW Wire

CLASSIFICATION :AWS A5.9:ER410NiMo

## CHARACTERISTICS :

Stainless, Corrosion-resistant similar to matching 13% Cr(Ni) steels/cast steel grades. High resistance to corrosion fatigue cracking. For joining and surfacing applications with matching 13% Cr(Ni) and 13% Cr steels/cast steel grades.

## TYPICAL APPLICATIONS :

1.4002-X6CrAl13

1.4313-(G)X5CrNi13-4

ACI Gr. CA 6Nm

For surfacing of steel mill rolls.

## TYPICAL ANALYSIS (RANGE) %:

C	Si	Mn	Cr	Mo	Ni
0.03	0.35	0.7	12.5	0.5	4.1

## MECHANICAL PROPERTIES OF THE WELD METAL :

Heat treatment	Tensile strength MPa	Yield Strength	Elongation(L=4d)%	Charpy V-Notch Impact Value in J
600°C/8 h	800	680	15	50 at 20°C

**MICRO STRUCTURE:** Martensite.

## SHIELDING GAS :

(Argon + CO<sub>2</sub> gas) [80%Ar + 20% Co<sub>2</sub>]

PACKING DATA :

SIZE (mm)	PACKING /SPOOL (KG)
1.0	12.5
1.2	12.5
1.6	12.5