

# PROLONG CRC

Prolong CRC has excellent corrosion resistance in many aggressive media and is especially resistant to pitting and crevice corrosion.

## APPLICATION

Prolong CRC is used for gas-tungsten-arc and gas-metal-arc welding of INCONEL alloy C-276 and other nickel-chromium-molybdenum alloys. It is also used for surfacing of steel.

## SPECIFICATION

- AWS A5.14 ERNiCrMo (UNS N10276)
- ASME II, Part C, SFA-5.14. ERNiCrMo-4 (UNS N10276)
- ASME IX, F-No.43
- 2.4886
- \*bs 2901 NA48
- \*DIN 1736 SG-NiMo16Cr16W (2.4886)
- \*(EN) ISO 1827 4 - SNI6276 (NiCrMo16Fe6W4)

\*Supply to these specifications available upon request  
For manufacture to ASME III (NCA3800, NB2400), and other specifications please call.

## MINIMUM MECHANICAL PROPERTIES

<b>Tensile Strength (psi)</b>	100,000 PSI/690 MPA
<b>Elongation, (4d) %</b>	30%

- DC REVERSED POLARITY
- REMOVE ALL DAMAGED MATERIAL
- AVOID LOCALIZED OVERHEATING OF MANGANESE STEEL
- AVOID THERMAL SHOCK

## LIMITING CHEMICAL COMPOSITION

Ni+Co.....Remainder	Cu.....0.50 max.
C.....0.02 max.	Co.....2.50 max.
Mn.....1.0 max.	Cr.....14.5-16.5
Fe.....4.0-7.0	Mo.....15.0-17.0
P.....0.04 max.	V.....0.35 max.
S.....0.03 max.	W.....3.0-4.5
Si.....0.08 max.	Others.....0.50 max.



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