



T96 Mag

AWS A 5.28: ER120S-G ISO 16834-A: Mn4Ni2,5CrMo
ISO 16834-A: G 89 4 M21

DESCRIPTION

Copper coated low-alloy wire with NiCrMo suitable for single pass or multipass welding of fine grained NiCrMo alloyed steels, austempering steels and steels with the highest yield strength. Lifting and handling machines, building industry, transport, naval, railway sector, mining industry, petrochemical industry, etc.

WELDING POSITIONS



CURRENT

DC+

GAS

Ar/ Co2 (M21, M20)

BASE MATERIALS

Construction steel, pressure steel, high strength steels

S890QL, S960Q ; P460NH, P460NL1 ; Weldom 900, Weldom 960, Strenx 960

MECHANICAL PROPERTIES

<i>R_m</i> (Mpa)	<i>R_{p 0,2}</i> (Mpa)	<i>A5</i> (%)	<i>KV(j)</i>
1040	960	16	60 J (-40° C)

WELD METAL COMPOSITION(%)

C	Si	Mn	P	S	Cu	Cr	Ni	Mo	Al	V	Ti	Zr
0,11	0,70	1,90	<0,01	<0,01	<0,25	0,5	2,5	0,5	<0,01	>0,03	0,08	<0,05

PACKAGING & WELDING PARAMETERS

Dimension(mm)	0,8	1,0	1,2	1,6
Spool size(kg)	16	16	16	16
Wire feeding (m/min)	2,0-10,8	2,7-15	2,7-12,4	3,1-12
Ampere (A)	90-160	150-250	220-320	250-400
Volt (V)	18-22	22-28	26-32	28-36

EQUIVALENT FILLER METALS

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Interpass temperature 120-180°C