

LNT NiCrMo 59/23

CLASSIFICATION

AWS A5.14/A5.14M - ERNiCrMo-13
ISO 18274 - S Ni 6059 (NiCr23Mo16)

GENERAL DESCRIPTION

Solid rod for welding nickel base alloys with high CrMo content
Excellent resistance against pitting, stress, and crevice corrosion in acid sulfur phosphorus and chlorine surroundings
Suitable for dissimilar joints

SHIELDING GASES (ACC. ISO 14175)

11 Inert gas Ar (100%)

APPROVALS

TÜV

+

CHEMICAL COMPOSITION (W%) TYPICAL WIRE

C	Mn	Si	Ni	Cr	Mo	Al	Fe
0.015	0.5	0.06	59	23	16	0.4	1.5

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Shielding gas	Condition	0.2% proof strength (N/mm ²)	Tensile strength (N/mm ²)	Elongation (%)	Impact ISO-V(J) +20°C
Typical values	11	AW	400	700	25	90

MATERIALS TO BE WELDED

Ni-alloy grades	DIN 17744	Mat. Nr	ASTM / ACI	UNS
Ni-base high CrMo steel				
	NiCr23Mo16	2.4605		N06059
	NiMo16Cr16Ti	2.4610	C-4	N06455
	NiMo16Cr15Ti	2.4819	C-276	N10276
	NiCr21Mo 14W	2.4602	C-22	N06022
	NiCr22Mo 9Nb	2.4856	625	N06625
High Mo stainless steel for high corrosion environments				
	EN 10088-1/-2			
	X1 NiCrMoCuN25-20-7	1.4529	904hMo	N08925
	X1 CrNiMoCuN20-18-7	1.4547		S31254

PACKAGING AND AVAILABLE SIZES

Diameter (mm)	1.6	2.0	2.4
Unit : 2 kg tube	X	X	X

Note : Cut length = 1000 mm

Other sizes and packaging on request

LNT NiCrMo 59/23: rev. EN 22