

# LNT NiCrMo 59/23

## CLASSIFICATION

AWS A5.14	ERNiCrMo-13	A-Nr	-	Mat-Nr	2.4607
ISO 18274	S Ni 6059 (NiCr23Mo16)	F-Nr	43		
		9606 FM	6		

## 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)

I1 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 <sup>2</sup> )	Tensile strength (N/mm <sup>2</sup> )	Elongation (%)	Impact ISO-V(J) +20°C
Typical values	I1	AW	400	700	25	90

## EXAMPLES OF MATERIALS TO BE WELDED

Ni-alloy grades	DIN 17744	Mat. Nr	ASTM / ACI	UNS
<b>Ni-base high CrMo steel</b>				
	NiCr23Mo16	2.4605		N06059
	NiMo16Cr16Ti	2.4610	C-4	N06455
	NiMo16Cr15Ti	2.4819	C-276	N10276
	NiCr21Mo14W	2.4602	C-22	N06022
	NiCr22Mo9Nb	2.4856	625	N06625
<b>High Mo stainless steel for high corrosion environments</b>				
	EN 10088-1/-2			
	X1NiCrMoCuN25-20-7	1.4529	904hMo	N08925
	X1CrNiMoCuN20-18-7	1.4547		S31254

## PACKAGING AND AVAILABLE SIZES

Diameter (mm)	1.6	2.0	2.4	
2.5 kg PE-Tube	X	X	X	Note : Cut length = 1000 mm

LNT NiCrMo59/23; rev. C-EN23-01/02/16

All information in this data sheet is accurate to the best of our knowledge at the time of printing. Please refer to [www.lincolnelectric.eu](http://www.lincolnelectric.eu) for any updated information.  
 Fumes: Material Safety Data Sheets (MSDS) are available on our website.

**LINCOLN**  
**ELECTRIC**  
 THE WELDING EXPERTS®