

# LNT 4462

## CLASSIFICATION

AWS A5.9 - ER2209  
ISO 14343-A - W 22 9 3 N L

## GENERAL DESCRIPTION

**Solid rod for welding duplex stainless steels**  
**High resistance to general corrosion, pitting and stress corrosion conditions**

## SHIELDING GASES (ACC. ISO 14175)

11 Inert gas Ar (100%)

## APPROVALS

TÜV

+

## CHEMICAL COMPOSITION (W%) TYPICAL WIRE

C	Mn	Si	Cr	Ni	Mo	N
0.01	1.6	0.5	22.5	8.5	3.0	0.15

## 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) -60°C
Typical values	11	AW	675	829	27	200

## MATERIALS TO BE WELDED

Steel grades	EN 10088-1/2	Mat. Nr	UNS
<b>Duplex stainless steels</b>			
	X2 CrNiMoN 22 5 3	1.4462	S31803
		1.4417	S31500
	X2 CrNiN 23-4	1.4362	S32304
	X3 CrNiMoN 27-5-2	1.4460	S31200
	X2 CrNiMoN 21 5 1	1.4162	S32101

Dissimilar joints such as un- and low alloyed steel to duplex stainless steel

## PACKAGING AND AVAILABLE SIZES

Diameter (mm)	1.6	2.0	2.4	3.2	
Unit : 2 and 10 kg tube	X	X	X	X	<i>Note : Cut length = 1000 mm</i>
Other sizes and packaging on request					

LNT 4462: rev. EN 23