

# LNМ 430LNb

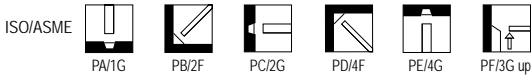
## CLASSIFICATION

ISO 14343-A - G 18LNb  
ISO 14343-B - G 430LNb

## GENERAL DESCRIPTION

Solid wire for welding stabilized martensitic stainless steel  
High resistance to scaling up to approx. 900°C

## WELDING POSITIONS



## SHIELDING GASES (ACC. ISO 14175)

M12 Mixed gas Ar+ 0.5-5% CO<sub>2</sub>  
M13 Mixed gas Ar+ 0.5-3% O<sub>2</sub>

## CHEMICAL COMPOSITION (W%) TYPICAL WIRE

| C    | Mn  | Si  | Cr | Nb  |
|------|-----|-----|----|-----|
| 0.01 | 0.7 | 0.4 | 18 | 0.3 |

## 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 (%) |
|----------------|---------------|-----------|--|---------------------------------------|----------------|
| Typical values | M12           | AW        | 280                                      | 460                                   | 17             |

## MATERIALS TO BE WELDED

| Steel grades | EN 10088-1 | Mat. Nr   |
|--------------|------------|-----------|
| EN 10088-1   | Mat. Nr    | ASTM/A420 |
| X3CrNb17     | 1.4511     | AlSi430   |
| X6CrNb17     | 1.4511     |           |
| X6Cr17       | 1.4016     |           |
| X8Cr17       | 1.4016     |           |

## PACKAGING AND AVAILABLE SIZES

|                                      |     |
|--------------------------------------|-----|
| Diameter (mm)                        | 1.0 |
| Unit : 250 kg Accutrak drum          | X   |
| Other sizes and packaging on request |     |

LNМ 430LNb rev. EN 02

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.