

# LEGHE A BASE NICHEL

## Application Segments

Oil & Gas/CPI

## Granulometria disponibile

Prodotti lunghi\*

Prodotti semirifiniti / Billette

Lamiere

\* ) Presented data refer exclusively to long products. Please observe the detailed explanations at the end of the data sheet (pdf).

## Descrizione del prodotto

Leghe nichel-cromo-molibdeno con ottima resistenza alla corrosione soprattutto alla corrosione alveolare, interstiziale e alla tensocorrosione.  
Eccellente resistenza a sostanze acquose ossidanti, compresi cloro gassoso umido e miscele con acido nitrico o acidi ossidanti con ioni di cloruro.  
Resistenza eccellente anche a sostanze acquose riducenti.

## Percorso di fusione

VIM + ESR or Airmelted + ESR

## Applicazioni

- > Comp. per stabilimenti chimici (fra cui LNG, FGD, Urea, LDPE, ecc.)
- > CPI (fra cui LNG, Urea)
- > Altri componenti O e G+CPI
- > Heat Exchanger (IT)
- > Componenti per il settore del riciclo
- > Petrolio & Gas
- > Prodotti tubolari, flange, raccordi
- > Settore della carta e della pasta / Stampa
- > Componenti per il trattamento degli alimenti
- > Altri componenti
- > Valvole e attuatori
- > Storage technology

## Dati tecnici

| Corrispondenze |              | Standard   |        |
|----------------|--------------|--|--------|
| Alloy C22      | Market grade | B564   | ASTM   |
| 2.4602         | SEL          | B574   |        |
| NiCr21Mo14W    | EN           | VdTÜV WB479  | Others |
| N06022         | UNS          | NACE MR0103 / ISO 17945<br>NACE MR0175 / ISO 15156 |        |

## Analisi chimica

| C          | Si        | Mn       | P          | S          | Cr          | Mo          | Ni  | V         | W         | Co       | Fe        |
|------------|-----------|----------|------------|------------|-------------|-------------|-----|-----------|-----------|----------|-----------|
| max. 0,010 | max. 0,08 | max. 0,5 | max. 0,025 | max. 0,010 | 20,0 a 22,5 | 12,5 a 14,5 | REM | max. 0,35 | 2,5 a 3,5 | max. 2,5 | 2,0 a 6,0 |

Refers to VdTÜV WB 479

## Condizioni di consegna

### Solution Annealed + Quenched

|                                   |           |
|-----------------------------------|-----------|
| Resistenza alla trazione (MPa)    | 690 a 950 |
| Resistenza allo snervamento (MPa) | min. 310  |

### Barre tonde

| Diametro*       |   | mm     |  |
|-----------------|---|--------|--|
| <b>ROTOLATO</b> |   |        |  |
| 5,00            | - | 13,50  |  |
| 5,00            | - | 101,60 |  |
| <b>FORGIATO</b> |   |        |  |
| 101,70          | - | 355,60 |  |

\* Diameter 5.00 - 13.50 mm available as Wire Rod.

Diameter 5.00 - 101.6 mm round bars.

Diameter from 5.0 to 13.5 mm available as Wire Rod. More information regarding MOQ, lengths and tolerances upon request.

**Long Products:** For additional specifications, technical requirements, and other dimensions, please contact our regional voestalpine BÖHLER sales companies.

**Semi-Finished Products:** Product Variant may differ in terms of melting process, technical data, delivery, and surface condition as well as available product dimensions. Please contact the business unit Semi Finished Products of voestalpine BÖHLER Edelstahl GmbH & Co KG.

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