

# ACCIAI AUSTENITICI

## Application Segments

Engineering

## Granulometria disponibile

Prodotti lunghi

## Descrizione del prodotto

BÖHLER A204 is a stainless austenitic Cr-Ni-Mo steel with low carbon content. Resistant to intergranular corrosion up to 750°F (400°C). Heat treatment after welding not required.

Good resistance to reducing acids, such as diluted sulfuric and hydrochloric acid, and to localized corrosion attack in media containing chlorine ions. Required surface finish pickled or polished. Very good cold formability, highly polishable.

Use for watch industry, apparatus in the chemical, paper, cellulose, textile and pharmaceutical industries. Nuclear technology: Equipment subject to increased corrosion stress, also by media containing Cl, e.g. steam generator and superheater tubes in pressurized water reactors, condenser tubes, tube plates, fittings.

## Percorso di fusione

Airmelted

## Applicazioni

- > Watch Industry (IT)
- > Componenti per il settore ingegneria meccanica
- > Chemical industry - general (IT)
- > Luxury Watch Industry (IT)
- > Componenti per il trattamento degli alimenti
- > Beni di consumo - Generali
- > Comp. per stabilimenti chimici (fra cui LNG, FGD, Urea, LDPE, ecc.)

## Dati tecnici

Corrispondenze		Standard	
316L	Market grade	10088-3	EN ISO
1.4435	SEL		
X2CrNiMo18-14-3	EN		

## Analisi chimica

C	Si	Mn	P	S	Cr	Mo	Ni	N
max. 0,030	max. 1,00	max. 2,00	max. 0,045	max. 0,030	17,0 a 19,0	2,50 a 3,00	12,5 a 15,0	max. 0,10

Related to DIN EN 10088-3.

## Condizioni di consegna

### Solution Annealed + Quenched

Durezza (HB)	max. 215   thickness or diameter max. 250mm
Resistenza alla trazione (MPa)	500 a 700
Resistenza allo snervamento (MPa)	min. 200

### Barre tonde

		Diametro* mm	
		ROTOLATO	
5,00	-	15,50	
12,50	-	65,00	

\* Diameter 5.00 - 15.5 mm available as Wire Rod.

Diameter 12.5 - 65 mm round bars.

More information regarding MOQ, lengths and tolerances upon request.

For additional specifications and other sizes please contact BÖHLER Edelstahl - Special Materials Engineering

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