

# DUPLEXNÉ A SUPER DUPLEXNÉ NEREZOVÉ OCELE

## Application Segments

Ťažba ropy a chemický priemysel

## Dostupné výrobné profily

Tyčové polotovary\*

Polotovary/výrezy

Plechý

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

## Popis produktu

Bohler A913 (UNS S32750) is the most widely used super duplex grade on the market and is a 25%Cr ferritic-austenitic stainless steel with PREN min 41.

The steel offers highest corrosion resistance and good strength properties and is especially suitable for use in aggressive environments containing chlorides.

Good weldability, heat treatment after welding is not required.

Excellent resistance to general corrosion, stress corrosion cracking, vibration cracking, pitting and crevice corrosion as well as erosion corrosion.

Max. operating temperature for long-term use: 280°C (short-term exceeding up to 300°C permissible).

Required surface finish: pickled or machined.

Components exposed to seawater such as heat exchangers, feed or injection pumps, propeller shafts, highly stressed parts in chemical and waste water plants and for oil and gas production (e.g. manifolds), separators, turbine and fan blades, low-pressure compressor components.

## Spôsob výroby

Konvenčná výroba

## Aplikácia

- > Komponenty pre chemický priemysel
- > Chemický priemysel (vrátane LNG a močoviny) (CPI)
- > Pružné vedenie a spojovacie príruby
- > Ropný a plynový priemysel
- > Čerpadlá a vysokotlakové komponenty
- > Vŕtacie nástroje pre ťažbu ropy
- > Komponenty pre potravinársky priemysel
- > Vŕtacie nástroje a komponenty
- > Potravinársky priemysel
- > Ostatné komponenty
- > Rúrkové výrobky, príruby, tvarovky
- > Nástroje pre geodéziu
- > Spotrebný tovar
- > Čapy, skrutky, matice
- > Všeobecné strojárstvo
- > Ostatné komponenty pre ťažbu ropy a chemický priemysel
- > Ventily a pohony
- > Armatúry na ústie vrtu a rozdelovacie armatúry

## Technické údaje

Označenie materiálu		Normy
1.4410	SEL	10088-3 EN ISO
X2CrNiMoN25-7-4	EN	A182/A182M
S32750	UNS	A276/A276M A479/A479M
		MDS D57 NORSOK

## Chemické zloženie

C	Si	Mn	P	S	Cr	Mo	Ni	Cu	N
max. 0,030	max. 0,80	max. 1,20	max. 0,035	max. 0,020	24,0 až 26,0	3,0 až 5,0	6,0 až 8,0	max. 0,50	0,24 až 0,32

Refers to NORSOK M630 MDS D57 - UNS 32750 | PREN = % Cr + 3.3 x % Mo + 16 x % N min 41.

## Stav pri dodaní

### Solution Annealed + Quenched

Tvrdość (HB)	max. 310   hot finished or cold finished / up to 50.8 mm Diameter
Pevnosť v ťahu (MPa)	min. 800   hot finished or cold finished / up to 50.8 mm Diameter
Medza klzu (MPa)	min. 550   hot finished or cold finished / up to 50.8 mm Diameter

### Solution Annealed + Quenched

Tvrdość (HB)	max. 310   hot finished or cold finished / over 50.8 mm Diameter
Pevnosť v ťahu (MPa)	min. 760   hot finished or cold finished / over 50.8 mm Diameter
Medza klzu (MPa)	min. 515   hot finished or cold finished / over 50.8 mm Diameter

## Okrúhle tyče

Priemer* mm		
valcované		
5,00	-	13,50
12,50	-	130,00
kované		
130,10	-	200,00

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

Diameter 12.5 - 130 mm round bars.

More information regarding MOQ, lengths and tolerances upon request. Flat bars on request.

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

**Sheet & Plates:** Product Variant may differ in terms of melting process, technical data, delivery, and surface condition as well as available product dimensions. Please contact voestalpine BÖHLER Bleche GmbH & Co KG.

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