

STALE DO NAWĘGLANIA

Application Segments

Oil & Gas/CPI

Dostępne gradacje

Wyroby długie*

Półprodukty / półwyroby

Płyty

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

Opis 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.

Trasa topienia

Airmelted

Zastosowania

- > Podzespoły dla fabryk chemicznych (wł. LNG, Instalacja odsiarczania spalin FGD, mocznik, LDPE, itp.)
- > Kolektor z blachy falistej CPI (wł. LNG, Mocznik)
- > Rurowanie i złącza
- > Ropa naftowa i gaz
- > Pompy i podzespoły wysokociśnieniowe
- > Narzędzia do odwiertów
- > Podzespoły dla przetwórstwa żywności i pasz dla zwierząt
- > Narzędzia i podzespoły wiertnicze
- > Przemysł przetwórstwa żywności
- > Inne podzespoły
- > Wyroby rurowe, kołnierze, instalacje
- > Narzędzia pomiarowe odwiertów
- > Towary konsumpcyjne - Ogólne
- > Elementy złączne, śruby i nakrętki
- > Mech. Inż. / budowa maszyn
- > Inne podzespoły: Ropa i Gaz + CPI
- > Zawory i siłowniki
- > Głowica, choinki świąteczne i kolektory (wł. Wieszaki rurowe), BOP

Dane techniczne

Oznaczenie materiału		Standardy	
1.4410	SEL	10088-3	EN ISO
X2CrNiMoN25-7-4	EN	A182/A182M	ASTM
S32750	UNS	A276/A276M	
		A479/A479M	
		MDS D57	NORSOK

Skład chemiczny

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 do 26,0	3,0 do 5,0	6,0 do 8,0	max. 0,50	0,24 do 0,32

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

Warunki dostawy

Solution Annealed + Quenched

Twardość (HB)	max. 310 hot finished or cold finished / up to 50.8 mm Diameter
Wytrzymałość na rozciąganie (MPa)	min. 800 hot finished or cold finished / up to 50.8 mm Diameter
granica plastyczności (MPa)	min. 550 hot finished or cold finished / up to 50.8 mm Diameter

Solution Annealed + Quenched

Twardość (HB)	max. 310 hot finished or cold finished / over 50.8 mm Diameter
Wytrzymałość na rozciąganie (MPa)	min. 760 hot finished or cold finished / over 50.8 mm Diameter
granica plastyczności (MPa)	min. 515 hot finished or cold finished / over 50.8 mm Diameter

Pręty okrągłe

Średnica* mm		
WALCOWANE		
5,00	-	13,50
12,50	-	130,00
WYGŁADZONY		
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.

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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