

# STALE AUSTENITYCZNE

## Application Segments

Oil & Gas/CPI
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## Dostępne gradacje

Wyroby długie*
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Półprodukty / półwyroby
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Płyty
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\* ) Presented data refer exclusively to long products. Please observe the detailed explanations at the end of the data sheet (pdf).

## Opis produktu

For applications involving highly corrosive environments due to the presence of chemically aggressive media, e.g. for equipment and plants which are cooled by seawater and parts for offshore plants. In the chemical industry where resistance to the attack of pure acids as well as acids containing chloride ions (sulphuric acid in particular), of organic acids and mixed acids is required in the higher pressure and temperature ranges. The enhanced resistance to crevice corrosion permits use also for applications where incrustation must be expected, and / or where the formation of gaps cannot be avoided by design precautions.

## Trasa topienia

Airmelted
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## Zastosowania

- > Podzespoły dla fabryk chemicznych (wł. LNG, Instalacja odsiarczania spalin FGD, mocznik, LDPE, itp.)
- > Ropa naftowa i gaz
- > Wyroby rurowe, kołnierze, instalacje
- > Narzędzia pomiarowe odwiertów
- > Heat Exchanger (PL)
- > Kolektor z blachy falistej CPI (wł. LNG, Mocznik)
- > Inne podzespoły
- > Zawory i siłowniki
- > Głowica, choinki świąteczne i kolektory (wł. Wieszaki rurowe), BOP
- > Przemysł przetwórstwa żywności
- > Inne podzespoły: Ropa i Gaz + CPI
- > Narzędzia do odwiertów
- > Chemical industry - general (PL)

## Dane techniczne

Oznaczenie materiału		Standardy	
F44	Market grade	10088-3	EN ISO
254SMO		A182/A182M	ASTM
1.4547	SEL	A276/A276M	
X1CrNiMoCuN20-18-7	EN	A479/A479M	
S31254	UNS	MDS R17	NORSOK

## Skład chemiczny

C	Si	Mn	P	S	Cr	Mo	Ni	Cu	N
max. 0,020	max. 0,80	max. 1,00	max. 0,030	max. 0,010	19,5 do 20,5	6,0 do 6,5	17,5 do 18,5	0,50 do 1,00	0,18 do 0,25

Refers to ASTM A479 S 31254.

## Warunki dostawy

### Solution Annealed + Quenched

Wytrzymałość na rozciąganie (MPa)	min. 655
granica plastyczności (MPa)	min. 300

### Pręty okrągłe

Średnica mm	
<b>WALCOWANE</b>	
12,50	-   130,00
<b>WYGŁADZONY</b>	
130,10	-   200,00

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.

**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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ONE STEP AHEAD.