

CORROSION RESISTANT STEELS - MARTENSITIC, SEMIMARTENSITIC AND FERRITIC STEELS

Application Segmen	nts							
Engineering								
Available Product V	/ariants							
Long Products								
Product Description	1							
BÖHLER N324 is a heat- improves machinability. T A high surface quality is r treatment is recommende Products made from this hardness of up to 48/53 h Grades with improved ma applications if appropriate	This steel has better required to achieve ed. Tempering abov steel are used for p HRC that require re- achinability should r	corrosion resistar adequate corrosio e 427 °C [800 °F] arts in general end sistance to wear a not be used for crit	nce, hardno on resistand leads to re gineering a nd corrosio ical parts o	ess and toughne ce after hardenir duced corrosior and non-critical c on. Typical parts of surgical instru	ess than standing and temper in resistance. Cutting and nor include kniver ments and sho	ard steels with ing. A polishin n-cutting medi s, scissors, dr ould only be co	n 13% Cr. ng and passivation cal applications with a nills, screws and blades. considered for instrument	
Airmelted								
Applications								
> Medical	> Me	edical Instruments	& Implants	6				
Technical data								
Material designation		Standards						
420F-Mod	Market grade		F899	ASTM				
1.4197	SEL				_			
X20CrNiMoS13-1	EN							
Chemical composition (wt. %)								
C Si	Mn	P	s	Cr		Мо	Ni	

0.15 to 0.27

12.50 to 14.00

Refers to ASTM F899 - 420F Mod

0.20 to 0.26



0.75 to 1.50

1.10 to 1.50

max. 1.00

max. 2.00

max. 0.04



CORROSION RESISTANT STEELS - MARTENSITIC, SEMI-MARTENSITIC AND FERRITIC STEELS

BÖHLER N324

Delivery condition

Annealed							
Hardness (HB)	max. 262						
Round Bars and Wire Rod (if any)							
Diameter*							
mm							
ROLLED							
5.00		-	13.50				

^{*} Diameter 5.00 - 13.50 mm available as Wire Rod.

More information regarding MOQ and tolerances upon request.

If other available product variants are listed in addition to long products, please note that these may differ in terms of melting process, technical data, delivery and surface condition as well as available product dimensions. For mandatory technical specifications, other requirements and dimensions, please contact our regional voestalpine BÖHLER sales companies. The data contained in this brochure is merely for general information and therefore shall not be binding on the company. We may be bound only through a contract explicitly stipulating such data as binding. Measurement data are laboratory values and can deviate from practical analyses. The manufacture of our products does not involve the use of substances detrimental to health or to the ozone layer.

voestalpine BÖHLER Edelstahl GmbH & Co KG

Mariazeller Straße 25 8605 Kapfenberg, AT T. +43/50304/20-0 E. info@bohler-edelstahl.at https://www.voestalpine.com/bohler-edelstahl/de/

