

CORROSIONS-RESISTANT STEELS - AUSTENITIC STEELS AND NON MAGNETIC STEELS

Application Segments						
Engineering	Oil & Gas / C	PI				
Available Product Variant	S					
Long Products* Ser	mi-Finished Pr	roducts / Billet		Plates	Open Die Forgings]
* Presented data refer exclusivly	to long produc	cts. Please obse	erve the d	etailed explanation	s at the end of the data she	et (pdf).
Product Description						
BÖHLER P501 is a highly corrosseawater and very good resistant significantly higher than that of a remains non-magnetisable even and structure for submarines, BÖProcess Melting	ce to intergran comparable C after cold form	nular corrosion a Cr-Ni-Mo stainles ning and has the	and stress ss steels lowest n	corrosion cracking and a stable auster nagnetic permeabili	 Due to the alloy design, the litic microstructure is achiever In addition to its original 	ne yield strength is yed, so that the steel application as a hull
Airmelted						
Applications						
> Drilling tools and components> Well Completion Tools		Other CompWell Loggin	•	> Other Power Generation Components		nents
Technical data						
Material designation		Standards				
1.3964		S	EW 390	Others		
X2CrNiMoNNb21-16-5-3	EN					
S20910	UNS					



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Chemical composition (wt. %)

С	Si	Mn	Р	S	Cr	Мо	Ni	Nb	N
max. 0.030	max. 1.0	4.0 to 6.0	max. 0.025	max. 0.010	20.0 to 21.5	3.0 to 3.5	15.0 to 17.0	max. 0.25	0.20 to 0.35

Related to SEW 390

Delivery condition

Round Bars and Wire Rod (if any)

Diameter					
mm					
ROLLED					
5.00	- 130.00				
FORGED					
130.10	- 300.00				

More information regarding MOQ, lengths and tolerances upon request.

Physical Properties

Density	7.9	[kg/dm³]
Thermal conductivity	14	[W/(m.K)]
Specific heat	460	[kJ/kg K]
Spec. electrical resistance	0.8	[Ohm.mm²/m]

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.

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