

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

Application Segments

Engineering

Available Product Variants

Long Products

Product Description

BÖHLER N664 is a corrosion-resistant steel with 17%Cr and Mo-addition in the form of bars, wire, forgings, and forging stock. These products have been used typically for parts in general engineering and cutting and non cutting medical applications , e.g. chisels, knives, osteotomes, scalpels drills, retractors, spreaders, tongs requiring hardness up to 56/57 HRC and resistance to wear, corrosion, and oxidation depending on instrument design and application but usage is not limited to such applications.

Process Melting

Airmelted

Applications

- > Mechanical Engineering
- > Medical
- > Medical Instruments & Implants
- > Food processing industry
- > Medical Industry

Technical data

Material designation		Standards	
440A	Market grade	A276/A276M	ASTM
S44002	UNS	F899	

Chemical composition (wt. %)

C	Si	Mn	P	S	Cr	Mo
0.60 to 0.75	max. 1.00	max. 1.00	max. 0.040	max. 0.030	16.0 to 18.0	max. 0.75

Refers to ASTM A276.

Delivery condition**Annealed**

Hardness (HB)	max. 269 Hot finished
---------------	-------------------------

Annealed

Hardness (HB)	max. 285 Cold finished
---------------	--------------------------

Round Bars and Wire Rod (if any)

Diameter mm		
ROLLED		
12.50	-	65.00

Further information on MOQ, length and tolerance on 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.