

ENGINEERING STEELS - HEAT TREATABLE AND NITRIDING STEELS

Application Segme	nts				
Aerospace	Automo	tive			
Available Product \	/ariants				
Long Products					
Product Description	1				
BÖHLER V132 is a prem toughness values, particu	ium aircraft-quality ular in large cross s	, low-alloy Ni-Cr-Mo ste sections in the hardene	eel in the d and tei	form of bars, mpered condit	forgings and forging stock requiring high tensile and tion.
These products have bee time of heat treatment bu Tracks, helicopter shafts,	en used typically for t usage is not limite bolts and screws.	r parts requiring a throu ed to such applications	ugh-hard . E.g. hig	ening capabili Jhly stressed o	ity up to 3.5 inches (89 mm) in nominal thickness at components and parts for the aircraft industry,
Process Melting					
Airmelted + VAR					
Applications					
> Structural parts (Aeros > Automotive	Other Aerospace ComponentsAerospace			> Motorsport industry	
Technical data					
Material designation		Standards			
300M	Market grade		6417	AMS	
K44220	UNS				
Chemical composit	ion (wt. %)				
	1	_ 1_	1 -	1	

0.70 to 0.95

Refers to AMS 6417



0.30 to 0.50 | 1.65 to 2.00 | 0.05 to 0.10

0.38 to 0.43 | 1.45 to 1.80 | 0.60 to 0.90 | max. 0.010 | max. 0.010



ENGINEERING STEELS - HEAT TREATABLE AND NITRIDING STEELS

Delivery condition

Annealed	
Hardness (HB)	max. 311 Hot finished and annealed, above 12.7 mm diameter
Annealed	
Tensile Strength (MPa)	max. 1,027 Cold finished and annealed, max 12.7 mm diameter

Round Bars and Wire Rod (if any)

Diameter		eter	MOQ ex mill	Length		jth	Tolerance		
mm		า	kg	m					
ROLLED									
12.50	-	55.00	1,200	3.00	-	4.00	IT h/k 11		
55.01	-	120.00	2,500	3.00	-	4.00	IT h/k 11		
120.01	-	140.00	2,500	3.00	-	5.00	IT h/k 14		
FORGED									
140.01	-	203.20	2,200	2.00	-	5.00	IT h/k 14		
203.21	-	254.00	3,500	2.00	-	5.00	IT h/k 14		

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/

