

Buderus Edelstahl GmbH Dillfeld 40, 35576 Wetzlar	Buderus Edelstahl		
NJSB TAG NO. 953	Inspection certificate EN 10204-3.1		Stempel des Abnahmebeauftragten Inspectors Stamp
	Certificate No. 380403/1		
	Our Reference No. Pos. 516730 3		

Heat No.
28908

Melting process	Electric steel																																
Casting method	Ingot casting																																
Material Grade	80CrV2																																
Steel gr.no.	2235																																
Production order	4369739																																
Shipment no./Date	6021771428/04.08.2021																																
Invoice No./Date	6035011931/06.08.2021																																
Material description	: Hot rolled strip skin passed																																
Finish	: Hot rolled Strip skin passed in bars																																
Customer Order-No.	: PO 166																																
Specification	: Analysis: C 0.75 - 0.85 % Si 0.15 - 0.35 % Mn 0.30 - 0.50 % P max. 0.025 % S max. 0.020 % Cr 0.40 - 0.60 % Ni max. 0.40 % Mo max. 0.10 % V 0.15 - 0.25 %																																
Dimension	: 3,429 x 406,400 mm, mill edges (.135 x 16.00") thickness tolerance +0,075 /-0,075 mm width tolerance +4,680 /-0,000 mm length 1.224,500 mm +12,000 / -0,000 mm																																
Chemistry Analysis (% - H [Hydrogen] in ppm)																																	
28908	<table> <tr> <th>C</th> <th>Si</th> <th>Mn</th> <th>P</th> <th>S</th> <th>Cr</th> <th>Ni</th> <th>Mo</th> </tr> <tr> <td>0.810</td> <td>0.286</td> <td>0.393</td> <td>0.0034</td> <td>0.0017</td> <td>0.544</td> <td>0.096</td> <td>0.036</td> </tr> <tr> <td>V</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>0.170</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	C	Si	Mn	P	S	Cr	Ni	Mo	0.810	0.286	0.393	0.0034	0.0017	0.544	0.096	0.036	V								0.170							
C	Si	Mn	P	S	Cr	Ni	Mo																										
0.810	0.286	0.393	0.0034	0.0017	0.544	0.096	0.036																										
V																																	
0.170																																	
Hardness Test																																	
K9739	<table> <tr> <td>HBW:</td> <td>656.3 MPa</td> </tr> <tr> <td>HBW:</td> <td>658.3 MPa</td> </tr> </table>	HBW:	656.3 MPa	HBW:	658.3 MPa																												
HBW:	656.3 MPa																																
HBW:	658.3 MPa																																

We confirm, the material contains no radioactive contamination, that exceeds the natural values. The relevant legal requirements are kept.

Certificate is prepared by EDP-System and is valid without signature.

We hereby certify, the above mentioned material is in accordance with the terms of the order.

Approval & Certification	Manufacturer		Page 1 of 1
	Works inspector		
Wetzlar, 06.08.2021	Kai-Lukas Lotz		Enclosures ☐