


Buderus Edelstahl GmbH Buderusstraße 25, 35576 Wetzlar	<b>Buderus   Edelstahl</b>		
<b>NJSB TAG NO. 178</b>	Inspection certificate <b>EN 10204-3.1</b>		Stempel des Abnahmebeauftragten Inspectors Stamp
	Certificate No. <b>305715/1</b>		
	Our Reference No. Pos. <b>512533 4</b>		

Heat No.  
19777

Melting process	Electric steel
Casting method	Ingot casting
Material Grade	80CrV2
Steel gr.no.	2235
Production order	4306551
Shipment no./Date	6021770688/26.07.2018
Invoice No./Date	6035011734/01.08.2018

Material description : Hot rolled Strip skin passed

Customer Order-No. : PO-000053

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 : 9.78 x 400.00 x 1,219.20 mm (.385 x 15.75 x 48")  
thickness tolerance +0.075 /-0.075 mm (+/- .003")  
width tolerance +4.68 /-0.00 mm (+.184/-0")  
length 1,219.20 mm +12.00 / -0.00 mm (48 +.47/-0")

Chemistry Analysis (% - H [Hydrogen] in ppm)

19777	<b>C</b>	<b>Si</b>	<b>Mn</b>	<b>P</b>	<b>S</b>	<b>Cr</b>	<b>Ni</b>	<b>Mo</b>
	0.790	0.330	0.391	0.0059	0.0010	0.492	0.060	0.010
	<b>V</b>							
	0.160							

Hardness Test

K6551	HBW:	631.4 MPa
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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
Wetzlar, 02.08.2018	Works inspector Kai-Lukas Lotz		Enclosures <input type="checkbox"/>