


Buderus Edelstahl GmbH Buderusstraße 25, 35576 Wetzlar	<b>Buderus</b>   Edelstahl		
<b>NJSB TAG NO. 164</b>	Inspection certificate <b>EN 10204-3.1</b>		Stempel des Abnahmebeauftragten Inspectors Stamp
	Certificate No. <b>305716/1</b>		
	Our Reference No. Pos. <b>512533            3</b>		

Heat No.  
19777

Melting process	Electric steel
Casting method	Ingot casting
Material Grade	80CrV2
Steel gr.no.	2235
Production order	4306550
Shipment no./Date	6021770689/26.07.2018
Invoice No./Date	6035011734/01.08.2018

**Material description** : Hot rolled Strip skin passed in bars

**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** : 4,953 x 400,00 mm (.195 x 15.75")  
thickness tolerance +0,075 /-0,075 mm (+/- .003")  
width tolerance +4,68 /-0,00 mm (+ .184/-0")  
length 1.219,20 mm (48") +12,00 / -0,00 mm (+ .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**  
K6550                      HBW:                                      632.1 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
Wetzlar, 02.08.2018	Works inspector  Kai-Lukas Lotz		Enclosures <input type="checkbox"/>