

Buderus Edelstahl GmbH Buderusstraße 25, 35576 Wetzlar	Buderus Edelstahl		
Company ISI Trading	Inspection certificate EN 10204-3.1		Stempel des Abnahmebeauftragten Inspectors Stamp
	Certificate No. 298289/1		
	Our Reference No. Pos. 511255 4		

Heat No.

18638

Melting process	Electric steel
Casting method	Ingot casting
Material Grade	52100
Steel gr.no.	3505
Production order	4290185
Shipment no./Date	6021770557/05.04.2018
Invoice No./Date	6035011718/19.04.2018

Material description	: Hot rolled Strip skin passed in bars
Finish	: 4,953 x 400,000 mm (.195 x 15.75") thickness tolerance +0,060 /-0,060 mm (+/- .0024") width tolerance +4,200 /-0,000 mm (+ .165/-0") length 1.219,200 mm (48") +12,000 / -0,000 mm (+ .47/-0")

Customer Order-No.	: PO-000038
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Specification	: Chemistry:
	C: 0.93 - 1.05 %
	Si: 0.15 - 0.35 %
	Mn: 0.25 - 0.45 %
	P: max. 0.025 %
	S: max. 0.015 %
	Cr: 1.35 - 1.60 %
	Mo: max. 0.10 %

Chemistry Analysis (% - H [Hydrogen] in ppm)							
18638	C	Si	Mn	P	S	Cr	Mo
	0.990	0.210	0.310	0.0081	0.0010	1.480	0.010

Hardness Piece	
18638	Hardness after quench and temp: 65.6 HRC
	Hardness after quench and temp: 64.5 HRC
	Hardness after quench and temp: 56.4 HRC
	Hardness after quench and temp: 57.0 HRC

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 Wetzlar, 20.04:2018	Manufacturer Works inspector Kai-Lukas Lotz		Page 1 of 1 Enclosures ☐
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