

Walzwerke Einsal GmbH



VAT Reg. No DE123841325




Walzwerke Einsal GmbH - Post Box 20 - 58769 Nachrodt-Wiblingwerde

ZAPP (GB) Ltd.
Unit 1 The Thorncliffe Distribution Centre
Chapeltown
S35 2PW Sheffield
Groß-Britannien

Inspection Certificate: Page 1
DIN EN 10204/3.1

No. WZ0414-00715 of 15.04.14

Your Order No.: 7511004278
Shipment No.: VL14-02688

Symbol of Manufacturers 	Surveyor of inspection 	CE-sign 0045 
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our works No. AB14-10244	Item 20	Size 14404 Flat 65,00 x 52,50 mm	Weight 3.594 KG
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Material Number 1.4404	Standard Grade of Material X2CrNiMo17-12-2 1.4401/ 1.4404/ AISI 316 / 316 L
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Heat Number 250020	Method of melting: E
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Chemical analysis

C %	0,018	Si %	0,63	Mn %	1,48	P %	0,024	S %	0,022	Cr %	16,6	Ni %	10,52	Mo %	2,02
Ti %	0,012	Co %	0,13	N %	0,031	Cu %	0,45	Nb %	0,005						

Product Information
Steel bars, 14404 X2CrNiMo17-12-2 hot rolled, DIN EN 10058 tol. see below, quenched, pickled, straight as rolled/suitable to drawing, with short lengths see below, without stamping. in bundles

Addition Information
bar length mm: 5000 - 6000 , short lengths: from 3000 mm to max. 10 % , packaging size: max. 1000 kg quality: 1.4401/ 1.4404/ AISI 316 / 316 L, additional information: WAZ per e-mail , Angaben zur Wärmebehandlung im WAZ , details of heat treatment -temperature and medium - in test certificate , S % 0,015 - 0,030 % , HRC: max. 22

Requirements
test certificate: DIN EN 10204/3.1 rev. 01/2005, with: CE-sign: 93/68/EWG, acc. to: DIN EN 10088 part 5 rev. 07/2009
tolerance of dimension/shape: DIN EN 10058 rev. 02/2004, standard: ASTM A 479 / A 479 M rev. 2013 , DIN EN 10088 part 3 rev. 09/2005

Sample	PR0414-00497		
Mechanical properties			
Rp 0.2% Mpa	273		
Rp 1.0% Mpa	315		
Rm Mpa	570		
A5%	58,6		
Hardness			
HB	171		
HRC	3		
Corrosion resistance			
IC-test (Delivery condition)	ok		
IC-test (sensitized)	ok		

The delivery corresponds to the requirements mentioned.
The certificate has been established by machine and acc. to EN 10204 it is legal without Signature.
Telephone 0 23 52 3 32-0 Telefax: 0 23 52 33 21 92

Walzwerke Einsal GmbH
QA-department
Feldmann / Seeger
Surveyor of Inspection

F9413
1/2" NPT F/F/F FXD TEE 15K 316L

FLOW TECHNOLOGY LTD
TEST CERTIFICATE
VERIFIED TRUE
COPY OF ORIGINAL