




 Authorised Representative
 EC REP
 Acerinox Europa, S.A.U.
 C/ Santiago de Compostela no 100. 28035 Madrid Spain
 ZA 0045 Tel: 91 398 5100/ 91 398 5102
 16 0045-CPR-1805
 Corrosion Resistant Steel for building construction or civil engineering.
 Regulated substances: No performance determined

INSPECTION CERTIFICATE 3.1

ISSUE DATE: 2016-09-30

ACCORDING TO EN 10204 CERTIFICATE NO 3095145 Rev 1

MANUFACTURER'S MARK



INSPECTOR'S STAMP



MELTING PROCESS

E/AOD

CUSTOMER:

DAMSTAHL A/S
DANMARKSVEJ,28
8660 SKANDERBORG

Denmark

ORDER No.

PW01444

ITEM No.

15

DELIVERY NOTE No.

DEL066233

CUSTOMER ORDER No.

560534/BSO

REQUIREMENTS

AD 2000 W2
AD 2000 W10

SPECIFICATIONS

MATERIAL CODE

EN 10088-2-2014	1.4307	1.4301
EN 10028-7-2007	1.4307	1.4301
ASTM A240 / A240M-16	304L	304
ASME SA240 / SA240M-2015	304L	304
EN 10088-4-2009	1.4307	1.4301

CASE

KPAS27161	4074321A06	[1030 Kg]
KPAS27162	4074321A07	[1028 Kg]
KPAS27163	4074321A08	[1026 Kg]
KPAS27164	4074321A09	[1028 Kg]

TOLERANCE: ISO 9445-2 ; ASTM A480/480M ; ASME SA480/SA480M

TYPE

X2CrNi 18-9

PRODUCT: 2B: Cold rolled, heat treated, pickled, skin passed.

HEAT No.: 407432

DIMENSIONS: 3 mm x 1500 mm x 3000 mm

QUANTITY 40

MASS 4112 Kg

MATERIAL No : 4074321

CHEMICAL COMPOSITION (%)

	C	S	P	Mn	Si	Cr	Ni	N										
Min						17.5	8.0											
Max	0.030	0.015	0.045	2.00	0.75	19.5	10.5	0.10										
Actual	0.023	0.006	0.021	1.01	0.35	18.7	8.0	0.08										

MECHANICAL PROPERTIES

TEMPERATURE	DIRECTION	POSITION	Rp0.2 MPa	Rp1.0 MPa	Rm MPa	A50 %	A5 %	HRBW HRBW					
Ambient	Transverse	Requirement Min	230	260	540	40	45						
		Max			700			92					
Ambient	Transverse	Head	300	345	647	52	56	86					
		Tail						87					

INTERGRANULAR CORROSION

SPECIFICATION	RESULT
PRAC_E	PASS
ISO3651	PASS

Columbus Stainless (Pty) Ltd. certifies that the analysis and material on this certification is correct and meets the specifications stated.
 This document is issued without alteration or erasure and may only be reproduced in full.
 Made and melted in South Africa. This Material is PMI Tested.
 Visual and dimensional control: no exceptions. The delivery is in accordance with the order.
 This material is free from mercury contamination.
 The radiation level exhibited by this material is not greater than the normal background level.
 This material meets the Hardness requirement of NACE MR0175 / ISO 15156-3 : 2015 & NACE MR0103 / ISO 17945 : 2015
 Columbus Stainless is ISO 9001:2008 & ISO 14001:2004 Certified.
 For the Declaration of Performance, please visit <http://www.columbusstainless.co.za/declaration>
 Certified by TUV Rheinland to European Directive 2014/68/EU for Pressure Equipment. Certificate no: 01 202 ZA/Q-000001

HEAT TREATMENT (SOLUTION ANNEALED)

Anneal °C	Quench
1050 - 1100	AIR/ WATER SPRAY

Permeability 1.1 Max
Marking: Material Code, MPO No, Manufacturers Brand, Inspectors Stamp

COLUMBUS STAINLESS (PTY) LTD
 Hendrina Road, Middelburg
 Mpumalanga, South Africa


G. van Niekerk
 WORKS EXPERT