

EN 10204 - 3.1
18041704-EN-0



Business Unit / QCM
BA Quarto Plate, Quarto Plate Europe

Date Datum Date
20-Apr-2018

Load, Ladung, Charge No
169358

Acknowledged ID, Bestätigung, Commande ID
300467595

Your ref, Ihre Ref., Votre ref 006710-1	Requirements, Anforderungen, Exigences EN 10088-4:2009 EN 10028-7, PED 2014/68/EU:16 ASME SA-240M Code Sect. II. Part A:2017 ASTM A240M:17 PREN=CR+3.3Mo+16N: Min=34
Buyer, Besteller, Acheteur Ovako Metals Oy Ab ATOMITIE 5 A 00370, HELSINKI FINLAND	
Consignee, Empfänger, Lieu de livraison Ovako Metals Oy Ab	

Mark of Manufacturer Zeichen des Lieferwerkes Signe de producteur 	Process Erschmelzungsart Mode de fusion E+AOD	Inspector's stamp Zeichen des Sachverständigen Poinçon de l'expert 	Grade, Werkstoff, Nuance Outokumpu 2205 1.4462	UNS S32205
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Product, Erzeugnisform, Produit
Stainless steel hot rolled, Plate, 1D/No.1, Cut edge

Line Reihe Ligne	Item Position Poste	Heat-Lot No Schmelze-Lot Nr Coulée n° - Lot No	Size Abmessungen Dimensions	Pieces Stückzahl Nombre	Quantity/unit, Menge/Einheit, Quantité/Unité
1	1	581020-347262:0	15,0 X 1500,0 X 3000,0 mm	1	

Plate No, Blech Nr, Tôle No 1 6670 2803
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Chemical composition - Chemische Zusammensetzung - Composition chimique %
Heat - Schmelze - coulee No

	C	Si	Mn	P	S	Cr	Ni	Mo	N				
Min						22.0	4.50	3.00	0.14				
Max	0.030	1.00	2.00	0.030	0.015	23.0	6.50	3.50	0.20				
581020	0.019	0.34	1.33	0.027	0.001	22.2	5.67	3.12	0.18				

Distribution Certificate via e-Services	Direct. T = Transverse L = Longitudinal	Top/Bot F = Front B = Back	Form P = Flat C = Round	Location 1 = Center 2 = Close to Surface 3 = Standard 4 = At 1/4 of thickness
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Test results - Prüfergebnisse - Résultats des essais (1N/mm² = 1MPa)

Mechanical properties
Tensile testing/Hardness Rockwell C

Plate-no	Direct.	Top/Bot	Location	Form	Temp. °C	Rp 0,2 MPa	Rm MPa	A5 %	A50 %	HRC HRC
Min						460	655	25	25	
Max							840			31
2803	T	F	2	P	20,0	566	761	38	46	21

Charpy impact test (V-notch) EN ISO 148-1

Plate-no	Direct.	Top/Bot	Location	Form	Temp. °C	Value1 J	Value2 J	Value3 J	Average J
Min									100
2803	T	F	2	P	20,0	346	343	319	336

Other Information
Heat treated at 1100°C and Quenched in water.
Dimensional control, visual inspection and grade check (PMI): Approved
Approved acc. to AD2000-Merkblatt W0 and certified acc. to
Pressure Equipment Directive (2014/68/EU) by
TUEV NORD, notified body, reg.no. 0045
Construction Products Regulation (305/2011/EU)
The Declaration of Performance (DoP), see www.outokumpu.com
PREN=CR+3.3Mo+16N: 35 (Min:34)

The results comply with the Requirements of the order - Die gestellten Anforderungen sind erfüllt - Les résultats sont conformes aux exigences de la commande

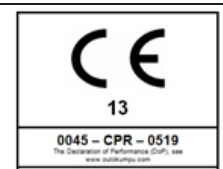
Outokumpu Stainless AB
BA Quarto Plate, Quarto Plate Europe
SE - 693 81 DEGERFORS
SWEDEN
Regoffice: SWEDEN

V.A.T no: SE556001874801
Regno: 556001-8748

Computer generated original
Quality Inspector

Olle Wirf

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Tolerance	Standard	Class
Flatness tolerance	EN 18286/A480/M/EN 10029	ISO 18286 N/A480/M/EN 10029 N
Length	EN 18286/A480/M/EN 10029	ISO 18286 A/A480/M/EN 10029
Thickness	EN 18286/A480/M/EN 10029	ISO 18286/A480/M/EN 10029 B
Width	EN 18286/A480/M/EN 10029	ISO 18286 A/A480/M/EN 10029

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