

Business Unit / QCM

Avesta Works / Jerker Sterneland

Date Datum Date

01-Jun-2020



Load, Ladung, Charge No

FI/207069

Acknowledged ID, Bestätigung, Commande ID

6610/300564692

Your ref, Ihre Ref., Votre ref 015794-1		Requirements, Anforderungen, Exigences ASTM A240/A240M-19 ASME BPVC SEC II PART A SA-240/SA-240M Ed 2019 EN 10088-2:2014 EN 10028-7:2016 NACE MR0175 / ISO 15156-3:2015 EN ISO 9444-2 / ASTM A480M	
Buyer, Besteller, Acheteur Ovako Metals Oy Ab ATOMITIE 5 A FI 00370, HELSINKI FINLAND			
Consignee, Empfänger, Lieu de livraison Ovako Metals Oy Ab			

Mark of Manufacturer Zeichen des Lieferwerkes Signe de producteur outokumpu 	Process Erschmelzungsart Mode de fusion E+AOD	Inspector's stamp Zeichen des Sachverständigen Poicon de l'expert 	Grade, Werkstoff, Nuance Outokumpu Forta DX 2205 UNS S31803 UNS S32205 1.4462
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Product, Erzeugnisform, Produit
Stainless Steel Hot Rolled, Coil-Plate
finish 1D, 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	501980-002	5,00 X 1500 X 3000 mm	29	5108 KG

Chemical composition – Chemische Zusammensetzung – Composition chimiques

	C	Si	Mn	P	S	Cr	Ni	Mo	Nb	Cu	Co	N
Heat	.017	.41	1.39	.029	.001	22.56	5.62	3.19	.005	.26	.14	.163

Radioactive contamination check acc. IAEA recommendations: **Approved**

Test results – Prüfergebnisse – Results dessais (1N/mm² = 1 MPa) F = Front – Anfan – Debut B = Back – Ende – Fin T = Transverse – Quer – Travers

Test Ref	Temp °C	RP 0.2		RP 1.0		RM		A5		2"		HB		FEH	
		N/MM2	N/MM2	N/MM2	N/MM2	%	%	%	%	HB	%	%	%		
Min	+20	480		700	25	25									
Max				950		293									
	F	T	+20	656	717	850	30	29	263	51.0					
	B	T		648	710	837	31	31	261						

Corrosion acc. EN ISO 3651-2C: Approved
PREN: Cr + 3,3Mo + 16N = 35.7
Material conforms to NACE MR0175 / ISO 15156-3 in supplied condition
Heat treatment / Solution annealed: Material temp minimum 1040 °C / Quenched (forced air + water)
Steel grade verification (PMI-spectroscopic): Approved
Marking, visual insp. and gauge measurement: Approved
Certified acc. to PED 2014/68/EU by TÜV NORD, notified body, Reg-No. 0045