



Business Unit / QCM  
**Avesta Works / Jerker Sterneland**

Date Datum Date  
**14-Apr-2020**

Load, Ladung, Charge No  
**FI/204305**

Acknowledged ID, Bestätigung, Commande ID  
**6610/300560991**

Your ref, Ihre Ref., Votre ref <b>015293-1</b>		Requirements, Anforderungen, Exigences <b>ASTM A 240M-19</b> <b>ASME BPVC SEC II PART A SA-240/SA-240M Ed 2019</b> <b>EN 10088-2:2014</b> <b>EN 10028-7:2016</b> <b>NACE MR0175 / ISO 15156-3:2015</b> <b>EN ISO 9444-2 / ASTM A480M</b>	
Buyer, Besteller, Acheteur <b>Ovako Metals Oy Ab</b> <b>ATOMITIE 5 A</b> <b>FI 00370, HELSINKI</b> <b>FINLAND</b>			
Consignee, Empfänger, Lieu de livraison <b>Ovako Metals Oy Ab</b>			

Mark of Manufacturer Zeichen des Lieferwerkes Signe de producteur <b>outokumpu</b>	Process Erschmelzungsart Mode de fusion <b>E+AOD</b>	Inspector's stamp Zeichen des Sachverständigen Poicon de l'expert 	Grade, Werkstoff, Nuance <b>Outokumpu Forta DX 2205</b> <b>UNS S31803</b> <b>UNS S32205</b> <b>1.4462</b>
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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	501039-004	5,00 X 1500 X 3000 mm	17	2992 KG

Chemical composition – Chemische Zusammensetzung – Composition chimiques

	C	Si	Mn	P	S	Cr	Ni	Mo	Nb	Cu	Co	N
Heat	.015	.43	1.34	.027	.001	22.29	5.68	3.14	.006	.24	.18	.165

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

Test results – Prüfergebnisse – Results desais (1N/mm<sup>2</sup> = 1 MPa) F = Front – Anfan – Debut B = Back – Ende – Fin T = Transverse – Quer – Travers

Test Ref	Temp °C	RP 0.2 N/MM2	RP 1.0 N/MM2	RM N/MM2	A5 %	2" %	HB	FEH %
Min	+20	480		700	25	25		
Max				950			293	
F T	+20	583	667	818	28	28	250	50.0
B T		624	687	830	31	31	257	

**Corrosion acc. EN ISO 3651-2C: Approved**  
**PREN: Cr + 3,3Mo + 16N = 35.3**  
**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**