



Plant Hamburg

Hydro Aluminium Rolled Products GmbH, Aluminiumstraße, D-21129 Hamburg Alumeo Finland Oy Ab Kaviokuja 5 FI-20380 TURKU	<b>Packing List No./Position</b>	1450394365 000020
	<b>Order-No./Pos./Custo.-No.</b>	745477/ 000020/ 114823
	<b>Customer order No.</b>	120328087 14.07.2016
	<b>Material-No.</b>	85720438
	<b>Alloy</b>	5083
	<b>Temper</b>	H111
	<b>Dimensions (Th. x W x L)</b>	4.000 x 1,500.00 x 3,000.00 mm

<b>Technical Requirements</b> DIN EN 485-2 , DIN EN 515 , DIN EN 573-3 AD 2000-W6/1, acc. to ASME SB 209 5083 / O	<b>Sales text</b> FP_5083-G_H111_011_4_1500_3_mP_KdE
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Batch Traceability

Origin	Package-No.	Cast Batch No.	Checkpoint	Master ID	Weight [kg]	No. of Pieces
392419011	39241901	3804077612016	392419011	392419011	1.036	22
392419012	39241902	3804077612016	392419011	392419012	1.034	22
392419013	39241903	3804077612016	392419011	392419013	1.036	22
392419014	39241904	3804077612016	392419011	392419014	1.034	22
392419015	39241905	3804077612016	392419011	392419015	1.034	22
392419016	39241906	3804077612016	392419011	392419016	1.028	22
392419017	39241907	3804077612016	392419011	392419017	1.034	22
392419018	39241908	3804077612016	392419011	392419018	1.036	22

Inspection Results

Checkpoint	Results (Begin/Mid/End)									
	Thickness mm	Rm MPa	Rp0,2 MPa	A50 (2") %						
min.	3,780	275	125	15,0						
max.	4,000	350								
392419011	3.919	299	159	21.7						
	3.929	294	160	18.5						
	3.954	295	161	22.7						

Chemical Composition (wt.%) of Batch(es)

Alloy:5083 Cast Batch No.	Si %	Fe %	Cu %	Mn %	Mg %	Cr %	Zn %	Ti %		
min.	-	-	-	0.40	4.0	0.05	-	-		
max.	0.40	0.40	0.10	1.0	4.9	0.25	0.25	0.15		
<b>380407761 2016</b>	0.13	0.29	0.03	0.59	4.3	0.07	0.02	0.02		

Approved acc. to AD 2000-Merkblatt W0 and certified acc. to PED (97/23/EC) by Certification Body for Pressure Equipment of TÜV NORD Systems GmbH & Co. KG (notified body, Reg.No.:0045).

QM-System accredited to ISO/TS 16949 ISO 9001 & ISO 14001 & EN 50001 We hereby certify, that the material described above has been tested and complies with the terms of the order contract. Dimension & surface inspec. without complaints This inspection certificate has been printed by computer system.		inspection representative	A.Witz
		Sign	WAH2
		Plant	Hamburg
		place of issue	Hamburg 17.10.2016