DNV-GL

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No: **AMMM0000XU** Revision No:

4

This is to certify:

That

Outokumpu Stainless AB DEGERFORS, Sweden

is an approved manufacturer of **Rolled Steel Products**

in accordance with

DNV GL rules for classification – Ships DNV GL rules for classification – Naval vessels

and the following particulars:

Application area Stainless steel,

Non-magnetizable steels

Product Plates, see page 2

Manufacturing method Hot Rolling

Delivery conditions Solution heat treated

Max. thickness See page 2

Issued at Hamburg on 2019-04-23

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules. Materials to be applied to DNV GL classed object shall fulfill the material requirements in the applicable DNV GL class rules.

for **DNV GL**This Certificate is valid until **2022-01-31**.
DNV GL local station: **Stockholm**

Approval Engineer: Stefan Röhr

Thorsten Lohmann

Head of Section



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Job Id: **263.11-009565-1** Certificate No: **AMMM00000XU**

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Particulars of the approval

Stainless steel

Austenitic Stainless Steel						
Grade	Steelmaking 1)4)	Delivery condition 2)	Max. Thickness (mm)			
VL 304 L	EAF, CC	SHT	55			
VL 316 L			60			
VL 316 L N			55			
VL 317 L			55			
VL 321			55			
VL 347			55			

Duplex Stainless Steel					
UNS S31803			55		
UNS S32750	EAF, CC	SHT	55		
UNS S32304 ³⁾ UNS S32101 ³⁾			55		

Non-magnetizable steels					
1.3964 acc. to BWB WL 1.3964.1	EAF, CC	SHT	21		
1.3964 acc. to BWB WL 1.3964.1	EAF, IC	SHT	55		

Remarks:

1. EAF: Electric Arc Furnace; CC: Continuous Casting; IC: Ingot Casting

2. SHT: Solution heat treated

3. Application subject to special plan approval

4. DNVGL approved pre-material supplier for the relevant steel grades

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