

# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:  
**AMMM00000S9**  
Revision No:  
**1**

## This is to certify:

That

**Torus Acéltermékgyártó Kft.**  
**Csanyi u. 71/D-E., 6100 Kiskunfélegyháza,**  
**Hungary**

is an approved manufacturer of  
**Pressed Parts**

in accordance with  
**DNV GL rules for classification – Ships**

and the following particulars:

<b>Application area</b>	<b>Pressed parts</b>
<b>Steel type</b>	<b>Carbon and carbon-manganese, see page 2</b>
<b>Manufacturing method</b>	<b>Cold forming, Hot forming, see page 2</b>
<b>Max. thickness</b>	<b>See page 2</b>
<b>Heat treatment condition</b>	<b>See page 2</b>

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.

Issued at **Hamburg** on **2019-11-21**

for **DNV GL**

This Certificate is valid until **2022-06-30**.

DNV GL local station: **Budapest**

Approval Engineer: **Christian Wildhagen**

**Thorsten Lohmann**  
**Head of Section**



Job Id: **263.11-006070-2**  
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## Particulars of the approval

### Pressed parts

Steel type	Grade	Manufacturing method <sup>1)</sup>	Max. thickness [mm]	Max. diameters [mm]	Heat treatment condition <sup>2)</sup>
Steel acc. to EN 10025-2					
C and C-Mn	S235J2	CF	8	2 800	N
		HF	30	2 800	As formed
		HF	30	2 800	N
Steel acc. to EN 10028-2					
C and C-Mn	P235 GH	CF	8	2 800	N
		HF	30	2 800	As formed
		HF	30	2 800	N
	P265 GH	CF	8	2 800	N
		HF	30	2 800	As formed
		HF	30	2 800	N

Remarks:

- 1) HF: hot forming  
CF: cold forming
- 2) N: Normalised