



# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:  
**AMMM00002TH**  
Revision No:  
**1**

This is to certify:

That

**Hertecant Flanges N.V.**  
**Lossing 22, 2260 Heultje-Westerlo,**  
**Belgium**

is an approved manufacturer of  
**Steel Forgings**

in accordance with

**DNV rules for classification – Ships**  
**DNV class programme – DNV-CP-0247 Steel forgings**

and the following particulars:

<b>Application area</b>	<b>Stainless steel forgings</b>
<b>Steel type</b>	<b>Austenitic stainless, Ferritic-austenitic (duplex) stainless</b>
<b>Forging method</b>	<b>Closed die forgings</b>
<b>Max. weight</b>	<b>See page 2</b>
<b>Max. diameter / section</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 classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at **Hamburg** on **2023-12-27**

for **DNV**

This Certificate is valid until **2026-11-29**.

DNV local unit: **Belgium CMC**

Approval Engineer: **Dechun Lou**

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

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



**Particulars of the approval**

**Stainless steel forgings**

Steel type <sup>4)</sup>	Grade <sup>3)</sup>	Forging method <sup>1)</sup>	Max. weight [kg]	Max. diameter / section [mm]	Heat treatment condition <sup>2)</sup>
Austenitic	CrNiMo	CD	370	100	SHT
Ferritic-austenitic	22 Cr Duplex	CD	680	100	SHT
	25 Cr Duplex	CD	680	100	SHT

**Steels acc. other standards**

Grade <sup>3)</sup>	Forging method <sup>1)</sup>	Max. weight [kg]	Max. diameter / section [mm]	Heat treatment condition <sup>2)</sup>
Steel acc. to EN 10222-5				
X1NiCrMoCu25-20-5 (1.4539)	CD	370	100	SHT
X2CrNiMoCuWN25-7-4 (1.4501)	CD	680	100	SHT
Steel acc. to ASTM A182				
F 904L (UNS N08904)	CD	370	100	SHT
F 55 (UNS S32760)	CD	680	100	SHT

Remarks:

- 1) CD: Closed die forging
- 2) SHT: Solution Heat Treated (Solution Annealing)
- 3) Incl. equivalent grades in acc. to other standards
- 4) Stainless steel forgings shall be in accordance with recognized standards, e.g. EN 10222, ASTM A473/A965/A1049 and JIS G 3214, provided that supplementary requirements contained herein are also met. Recognition of other standards is subject to submission to the Society for evaluation.