



# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:  
**AMMM00001AT**  
Revision No:  
**3**

This is to certify:

That

**Hönnetaler Kettenfabrik GmbH & Co. KG**  
**Bundesstraße 30, 59846 Sundern-Hövel,**  
**Germany**

is an approved manufacturer of  
**Chain Cables**

in accordance with

**DNV rules for classification – Ships**  
**DNV rules for classification – Naval vessels**  
**DNV class programme – DNV-CP-0254 Anchor chain cables and accessories**

and the following particulars:

<b>Product</b>	<b>Anchor Chain Cables and Accessories</b>
<b>Grade(s)</b>	<b>NV K1, NV K2 and NV K3,</b> <b>See page 2</b>
<b>Max. diameter</b>	<b>See page 2</b>
<b>Heat treatment condition</b>	<b>See page 2</b>
<b>Additional approval conditions</b>	<b>Including material grades according to international standards,</b> <b>Including Chains and Accessories according to DIN 5683-1 and</b> <b>DIN 5683-2,</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 **2023-05-10**

for **DNV**

This Certificate is valid until **2026-04-30**.

DNV local unit: **Essen**

Approval Engineer: **Torben Schällicke**

**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

### Anchor Chain Cables and Accessories:

Grade	Product <sup>1)</sup>	Heat treatment condition <sup>2)</sup>	Max. diameter [mm]	
NV K1	CC	N, AR	45	
	A		67	
NV K2	CC	N, QT	45	
	A		67	
NV K3	CC	QT	45	
	A		67	
1.3964 acc. BWB WL 1.3964-2 <sup>3)</sup>	CC	acc. standard	45	
	A		67	
1.3952 acc. BWB WL 1.3952-3 <sup>3)</sup>	CC		45	
	A		67	
1.4301 acc. EN 10088-3 <sup>3)</sup>	CC		45	
	A		67	
1.4401 acc. EN 10088-3 <sup>3)</sup>	CC		45	
	A		67	
1.4571 acc. EN 10088-3 <sup>3)</sup>	CC		45	
	A		67	
Chains acc. DIN 5683-1 <sup>3)</sup>	CC		acc. standard	39
Chain accessories acc. DIN 5683-2 <sup>3)</sup>	A		acc. standard	39

#### Remarks:

- 1) CC: chain cables  
A: accessories
- 2) N: Normalised  
QT: Quenched and tempered  
AR: As rolled
- 3) Certification of any material applied to classed object shall fulfil the applicable material requirements in the DNV GL class rules