DNV-GL

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No: **AMMM00001ZS**

This is to certify:

That

KUZNIA JAWOR SA PL-59-400 Jawor, Poland

is an approved manufacturer of **Steel Forgings**

in accordance with

DNV GL rules for classification - Ships

and the following particulars:

Application area Forgings for hull structures and equipment

Forgings for shafting and machinery

Ferritic steel forgings for low temperature service

Stainless steel forgings

Bolts and nuts

Steel type(s) Carbon,

Carbon-manganese,

Alloy,

Austenitic stainless

Process See page 2 Dimensions See page 2

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 2018-03-09

for **DNV GL**

This Certificate is valid until **2021-03-08**.

DNV GL local station: Katowice

Approval Engineer: Andreas Koch Thorsten Lohmann

Thorsten Lohmann Head of Section



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Job Id: **263.11-008580-1** Certificate No: **AMMM00001ZS**

Particulars of the approval

Forgings for hull structures and equipment Forgings for shafting and machinery Stainless steel forgings

Steel type ³⁾	Forging method ¹⁾	Max. weight [kg]	Delivery condition ²⁾
C and C-Mn	OD	30	N, NT, QT
Alloy	OD	30	N, NT, QT
Austenitic	OD	30	SHT

Bolts and nuts

Steel type ³⁾	Forging method ¹⁾	DN [mm]	Delivery condition ²⁾
C and C-Mn	CD	300	N
Alloy	CD	300	QT
Austenitic	CD	300	SHT

Ferritic steel forgings for low temperature service

Steel type	Forging method ¹⁾	Max. weight [kg]	Delivery condition ²⁾
C and C-Mn	OD, CD	30	N

Remarks:

1) OD: Open die forging

CD: Closed die forging

2) QT: Quenched and tempered

N: Normalised

NT: Normalised and tempered

SHT: Solution Heat Treated (Solution Annealing)

Certification of any material applied to classed object shall fulfill the applicable material requirements in the DNV GL class rules

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