TYPE APPROVAL CERTIFICATE

Certificate no.:
TAE000041H
Revision No:
1

This is to certify:

that the Cable Gland

with type designation(s)
AKM / ASS

issued to
Gustav Hensel GmbH & Co.KG
Lennestadt, Nordrhein-Westfalen, Germany

is found to comply with
DNV rules for classification – Ships, offshore units, and high speed and light craft

Application:

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV .

Material	**Plastic**
Suitable for open deck	**Yes**
Suitable for Hazardous areas	**n/a**

Issued at **Høvik** on **2026-01-22**

This Certificate is valid until **2030-11-02**.
DNV local unit: **Essen**

Approval Engineer: **Qiang William Guo**

for **DNV**

This document has been digitally signed and will therefore not have handwritten signature

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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 USD 300 000.

Product description

Cable Glands with strain relief and locknut:
Type: AKM XX / ASS XX
Nomenclature:
XX = place holder for connecting thread size „12“, „16“, „20“, „25“, „32“, „40“, „50“, „63“
(M12x1,5 to M63x1,5 /metric, as per EN 60423)

AKM XX colour: grey, RAL 7035
ASS XX colour: black, RAL 9005

Further ratings acc. manufacturer documentation.

Application/Limitation

Installation and operating instructions of the manufacturer to be observed.

Type Approval documentation

Jacob_PERFECT cable gland_Plastic_DNV-GL_Product description_2018-08-06.pdf (45 Pages)

Tests carried out

In accordance with DNV Class Programme DNV-CP-0408 edition Sep. 2021 / EN 62444 (2013)

Marking of product

Gustav Hensel GmbH registered trademark. Type designation / size on smallest packaging unit

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval are complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routine Tests (RT) checked (if not available tests according to RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer’s product type marking and Type Approval Certificate.

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE