

TYPE EXAMINATION CERTIFICATE

This is to certify:**That the Gaskets and Sealings**

with type designation(s)

RIG (Reverse Integrity Gasket) Kamos@Kammprofil Gaskets of types:RU, RS, FU, FS

Issued to

**Karmsund Maritime Offshore Supply AS
Kopervik, Norway**

is found to comply with

ASME B16.20-2017, Metallic Gaskets for Pipe Flanges**ASME B16.5-2017, Pipe Flanges and Flanged Fittings: NPS 1/2 through NPS 24 Metric/Inch
Standard**

Application :**See certificate****Temperature range:** See Certificate**Max. working press.:** See Certificate**Design:** ASME B16.20, ASME B16.5**Sizes:** 1 to 24 inch (DN25- DN600)Issued at **Høvik** on **2018-02-07**This Certificate is valid until **2023-02-06**.for **DNV GL**DNV GL local station: **Haugesund**Approval Engineer: **Mehdi Rowshan**

**Marianne Spæren Marveng
Head of Section**

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 Examination Certificate and not to the approval of equipment/systems installed.



Job Id: **262.1-024922-1**
Certificate No: **TAP0000161**

Product description

Standard sized KaMOS patented Kammprofil gaskets for ANSI B16.5 RF/FF flanges to meet requirements given in ASME B16.20/B16.5

KaMOS Gasket:Style RU-Raised face without guide ring

KaMOS Gasket:Style RS-Raised face with guide ring

KaMOS Gasket:Style FU-Flat face without guide ring

KaMOS Gasket:Style FS-Flat face with guide ring

Material:

Gasket: SS316

Filler: Graphite

Application/Limitation

Maximum permitted pressure and temperature according to the flange design standard and pressure rating.

The certificate only covers the compliance of gasket sizes with the design standard.

Mechanical properties, leakage tests and suitability of the material against specific media has not been examined in this certificate.

The shape and sizes of the gaskets to be approved by DNV GL surveyor during surveys.

Type Examination documentation

Marking of product

For traceability to this Type Examination, the products are at least to be marked with:

- Manufacturer's name / label
- Gasket sheet material non asbestos
- Product number

Certificate Retention Survey

For retention of the Type Examination, a DNV GL Surveyor shall perform periodical assessment after two years (+/- 90 days) and after 3.5 years (+/- 90 days) to verify that the conditions for the approval are complied with. Reference is made to DNVGL-CP-0338.