

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Bulkhead/Deck Penetration**with type designation(s)
SKOTTE 500

Issued to

Specma AB
Gothenburg, Sweden

is found to comply with

Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske Veritas' Offshore Standards**Application :****For bulkhead or deck penetration limited to a gas pressure of 15,7 bar and water pressure of 32 bar.****The penetration system is generally not to be used for penetrating boundaries of tanks.****Products approved by this certificate are accepted for installation on all vessels classed by DNV GL.**Issued at **Høvik** on **2019-03-15**This Certificate is valid until **2023-12-31**.DNV GL local station: **Gothenburg**for **DNV GL**Approval Engineer: **Ivar Bull**

Trond Sjøvåg
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 Approval Certificate and not to the approval of equipment/systems installed.



Job Id: **262.1-010119-5**
Certificate No: **TAE00003BU**

Product description

Skotte 500

is composed of carbon steel or stainless steel sleeve welded to the bulkhead, chloroprene packing fitted between two steel gaskets, tightened by stainless steel or bronze nut. Tube dimension from 5 to 12.

Application/Limitation

For bulkhead or deck penetration limited to a gas pressure of 15,7 bar and water pressure of 32 bar

Type Approval documentation

Tests carried out

Water and gas tightness test according to Class Programme DNVGL-CP-0165.

Marking of product

The product or packing is to be marked with name of manufacturer, type designation.

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 shall 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