DNV·GL

Certificate No:
TAE000037F

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Bulkhead/Deck Penetration

with type designation(s)
Cable and pipe penetration system CHP series (CHP 150/4 and CHP R75)

Issued to
Roxtec International AB
Karlskrona, Sweden

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

Application :

Approved for penetration in bulkheads or decks limited to a water pressure of 11 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 **2018-11-12**
This Certificate is valid until **2023-06-30**.
DNV GL local station: **Malmö**

Approval Engineer: **Ivar Bull**

for **DNV GL**

Marta Alonso Pontes
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.

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Product description
"Cable and pipe penetration system CHP series (CHP 150/4 and CHP R75)"
consisting of Roxtec CHP-series sleeve (CHP 150/4 and CHP R75), bolted or welded to a steel section.
For further details, see the drawings listed under Type Approval documentation below.

Application/Limitation
Approved for penetration in bulkheads or decks limited to a water pressure of 11 bar.
The penetration system is generally not to be used for penetrating boundaries of tanks.

Each product is to be installed with its manual for installation and use.

Type Approval documentation
Certification in accordance Class Programme Type approval DNVGL-CP-0338 September 2018.

Drawings:
S1018766 Rev. B dated 4 November 2009
S1018976 dated 25 November 2009

Pressure test reports (water) according to Class programme DNVGL-CP-0165.
Test period extended to 169 hours.
No. 10894 (Dated December 2009) from Roxtec
No. 10894-1 (Dated December 2009) from Roxtec

Tests carried out

Watertightness tests according to Class programme DNVGL-CP-0165

Marking of product
The product or packing is to be marked with name of manufacturer and 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