



## Type Approval Certificate Extension

This is to certify that Certificate No. 04/20036 (E1) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	ProfiSeal GmbH Mühlerstraße 13 55288 Schornsheim Germany
DESCRIPTION	Bulkhead seal with dry running gap-seal rings and split housings
TYPE	ProfiSeal bulkhead seals 10.400.XXX.XXXX for shaft diameters 50 mm to 400 mm
APPLICATION	Watertight bulkhead seal to seal rotating shafts going through bulkheads on Lloyd's Register classed ships, as well as for yachts and special service crafts.
RATINGS	Pressure: max. 3 bar Temperature : - 5 °C to + 70 °C Gliding speed: max. 40 m/s The leakage rate is depending on the shaft size

*"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."*

*The Design Appraisal Document No. HMD 12957-04, Issue No. 2, dated 04 September 2014 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

All other details remain as the previous Certificate No. 04/20036 (E1) to which this extension should be attached.

Certificate No.	04/20036 (E2)
Issue Date	04 September 2014
Expiry Date	17 June 2019
Sheet	1 of 1

  
Torsten Schröder  
Hamburg Technical Support Office  
Lloyd's Register EMEA

Lloyd's Register EMEA  
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA  
is a subsidiary of Lloyd's Register Group



CERTIFICATE NUMBER  
15-HG1385328-PDA

DATE  
23 Jun 2015

ABS TECHNICAL OFFICE  
Hamburg Engineering Department

# CERTIFICATE OF DESIGN ASSESSMENT

This is to certify that a representative of this Bureau did, at the request of  
**PROFISEAL GMBH**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

Product: **Bulkhead Seal**

Model: **ProfiSeal Bulkhead Seal (Dry Running Gap Seal) Model Number:  
10.400.XXX.XOX.X.**


This Product Design Assessment (PDA) Certificate 15-HG1385328-PDA, dated 23/Jun/2015 remains valid until 22/Jun/2020 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

AMERICAN BUREAU OF SHIPPING

---

Wulf-Peter Senebald  
Engineer

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standard. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by the terms and conditions as contained in ABS Rules 1-1-ABS 9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).