

# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:  
**MEDB0000486**  
Revision No:  
**1**

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

## This is to certify:

**That the Fire-fighter's outfit: helmet**

with type designation(s)  
**HPS 4500 type A, HPS 7000 type B**

Issued to

**Dräger Safety AG & Co. KGaA**  
**Lübeck, Germany**

is found to comply with the requirements in the following Regulations/Standards:

Regulation (EU) 2022/1157,

**item No. MED/3.6. SOLAS 74 as amended, Regulation II-2/10 & X/3, 2000 HSC Code 7 and FSS Code 3, IBC Code 11, IGC Code 11**

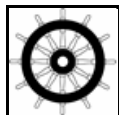
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2028-05-30**.

Issued at **Hamburg** on **2023-05-31**

DNV local unit:  
**Hamburg – CMC North/East**

Approval Engineer:  
**Roland Priebe**



Notified Body  
No.: **0098**

for **DNV GL SE**

**Christine Mydlak-Roeder**  
**Head of Notified Body**

The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL SE of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

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 300,000 USD.



**Product description**

“HPS 4500 type A”

is a traditional half-shell helmet with big visor and adjustable 4-point harness. Various accessories are available. The helmet has a photo luminescent painting and reflective strips. The resistant helmet provides protection against impacts at extreme heat and low temperatures (-40°).

“HPS 7000 type B”

is a multifunctional helmet in ergonomic design. The extreme light helmet is produced for head sizes from 50 to 66 cm, has various individual adjustments and provides high level wearing comfort and optimized thermal and mechanical protection. The helmet is provided with an integrated visor which leaves enough space for the full-face mask FPS 7000 with integrated communication components. Various intercom headsets can also be fitted.

Optional features such as an electrical headlamp or a communications headset shall be of explosion-proof types.

For further details see documents under Type Examination documentation below.

**Application/Limitation**

Approved for use as helmet for fire-fighters.

Each product is to be supplied with its manual for use and maintenance.

**Type Examination documentation**

Test reports and other documentations:

<b>HPS 4500</b>
EU type-examination certificate No. 9754 A/20/12 PSA dated 2020-03-24 from DEKRA, Stuttgart, Germany
Evaluation report No. 9754E/20/00 PSA dated 2020-04-09 from DEKRA, Essen, Germany
Drawing: “Approval HPS 4300/ 4500”, No. SE23209 rev.09, dated 2023-03-01 from manufacturer
Use manual “Dräger HPS 4500”, No. 9031200 edition 7, dated June 2022 from manufacturer
<b>HPS 7000</b>
EU type-examination certificate No. 9476 A/18/26 PSA rev.1 dated 2019-08-08 from DEKRA, Stuttgart, Germany
Evaluation report No. 9476E/18/02 PSA dated 2021-04-21 from DEKRA, Essen, Germany
Drawing: “Approval HPS 7000 H1”, No. R79300 rev.24, dated 2021-10-14 from manufacturer
Use manual “Dräger HPS 7000”, No. 9041752 edition 11, dated June 2022 from manufacturer

**Tests carried out**

Tested according to EN 443:2008.

**Marking of product**

The product is to be marked with name and address of manufacturer, type designation, fire technical rating, the MED Mark of Conformity, Notified Body No. and the year of manufacturing.