



See-Berufsgenossenschaft
Prüf- und Zertifizierungsstelle
im BG-PRÜFZERT
European notified body
Identification number 0736

Deutsche Gesetzliche
Unfallversicherung



EC-Type Examination (Module B) Certificate

Certificate-No. **424.001**

Name and address of the applicant: Chemring Marine Limited, 1500 Parkway, Fareham, Hampshire PO15 7AF, United Kingdom

Date of issue: **11.12.2007**

Annex A.1 Item No & Item designation: **A.1/1.11 - Line-throwing appliances (pyrotechnics)**

Product designation: Line-throwing appliance

Product Type: **COMET 250 (Art. Nr. 9 1104 00)**

Intended purpose: Equipment according to SOLAS Chapt. III Reg. 18 and LSA-Code section 7.1


Testing based on (Specific standard): Resolution MSC.81(70) as amended

Remarks: Basis of this approval is also the testprotocol of „Bundesanstalt für Materialprüfung“ (BAM), Tgb.-Nr. 4-3234/86 dated 28.08.1986.

The type tested was found to be in compliance with the Life Saving Appliance requirements of Marine Equipment Directive (MED) 96/98/EC as amended by Directive 2002/75/EC subject to any conditions in the schedule (part of this certificate).

This certificate may only be used in connection with module(s) **D** of this directive.

Expiry date: **31.12.2012**

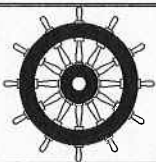

Signature (Lange)

The approval of the installed equipment will be in force beyond the validity date until it is revoked!

Note 1: This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the notified body named on this certificate.

Note 2: Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply.

Note 3: 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-control phase module (D, E, or F) of ANNEX B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.



xxxx/yy

Note 4: "Wheelmark" Format

YY

Last two digits of year mark affixed.

XXXX

Notified Body number undertaking surveillance module

Reverse side of the EC-Type Examination Certificate for certificate-number: **424.001** , date of issue: **11.12.2007**

Postal address:
Postfach 11 04 89
20404 Hamburg

Office:
Reimerstwiete 2
20457 Hamburg

Tel: 0 40/3 61 37-0
Fax: 0 40/3 61 37 2 04

In any case, the German original shall prevail.

Technical data/approved drawings and additional conditions and remarks:

Additional basis for approval:

- Test protocol and the minutes of meetings dated 06.10.89 at Bremerhaven
- Revised drawing 5276-1,
- Revised drawing 5280 c and
- Revised drawing 5280-1000c.

1.) Marking

The manual has to be according to the See-BG approved muster.

Date of manufacture (month/year) and date of expiry (max. 3 years) is to be marked according to delivery from production place.

A permanent and seawater proof marking with name of manufacturer, type, approval-number and the mark of conformity (see below) and the manual is required.

2.) Quality assurance and production control

This type approval will be only valid in connection with a certified quality system according to module D of the directive 96/98/EC as amended.

The quality control is to be done according to the requirements of the „Bundesanstalt für Materialprüfung“ (BAM) on the basis of Resolution MSC.81(70) Part 2 section 4.

3.) Description

The line-throwing appliance consist of a launching device with a length of 448 mm (Art.-No. 1116), 4 projectiles (Art.-No. 1127) and 4 square synthetic ropes, length 260 m, diameter 4 mm.

The rope breaking strength is 4 kN, with knots 3 kN.

The projectiles are single packed in polyethylen bags and cardboards.

Place of Production

Chemring Defence Germany GmbH
Vieländer Weg 147
27574 Bremerhaven
Germany