

TYPE APPROVAL CERTIFICATE
No. LAB453405CS/1



This is to certify that the product identified below is in compliance with the regulations herewith specified.

<i>Description</i>	Fire dampers
<i>Type</i>	SINGLE BLADE FIRE DAMPER TYPE FDD
<i>Applicant</i>	HALTON OY PULTTIKATU 2 15700 LAHTI FINLAND
<i>Manufacturer</i>	HALTON OY
<i>Place of manufacture</i>	PULTTIKATU 2 15700 LAHTI FINLAND
<i>Reference standards</i>	Chap. II-2 of SOLAS 74 Convention, as amended; Chapter 4, Part C of RINA Rules

Issued in Genoa on November 25, 2005. This Certificate is valid until November 9, 2010



RINA

Massimo Dinale

This certificate consists of this page and 1 enclosure

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No. **LAB453405CS/1**
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SINGLE BLADE FIRE DAMPER TYPE FDD

Product description

Steel (galvanized, painted or stainless) circular dampers having diameter ranging from 100 mm up to 315 mm provided with bearings made of brass, bronze or stainless steel. The dampers may operate automatically with fusible link as electrical (FDD-EL) or linear pneumatic (FDD-PNL) or manually with fusible link as spring loaded (FDD-SP) or DOT release system (FDD-DOT) or manually without fusible link as operated with a handle (FDD-MAN) or CO2 released (FDD-CO2).

Field of application

Fire resistant A-60 class dampers for passage through decks and bulkheads.

Reference documents

Halton Oy drawings enclosed to VTT Building Technology of Finland Test Report No. RTE10810/97 dated 8 April 1997.

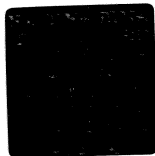
Tests carried out

Tests as per VTT Building Technology of Finland Test Report No. RTE10810/97 dated 8 April 1997 issued according to IMO Res. A. 754(18).

Remarks

Each item of the mass production to be fitted on vessels classed by RINA is to be previously inspected at the manufacturer workshop by a RINA Surveyor and is to be marked or labelled with the trade name and the data of the Company to whom this Certificate is addressed. The validity of this Certificate ceases in the case of amendments to the rules on the basis of which the Certificate was issued.

Genoa 25/11/2005



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