

COPY



NIPPON KAIJI KYOKAI

Certificate

Certificate No.
TA21162E(N)

OF

APPROVAL

Item	:	A-0 / 30 / 60 class pipe penetration (bulkhead and deck)
Product name	:	Penetration type 866.032
Specifications	:	See the drawings in Annex.
Applicant	:	BLÜCHER Metal A/S Pugdølvej 1, DK-7480 Vildbjerg, Denmark
Manufacturer	:	The same as the Applicant.
Testing standards	:	2010 FTP Code Annex1 / Part 3
Test reports	:	See Annex.
Limitations	:	See Annex.

THIS IS TO CERTIFY that the above type of products has been approved by Nippon Kaiji Kyokai with type approval No. 21FPA14DA, and that the products of the above type will be accepted for use onboard ships classed with the Society as complying with the relevant requirements of the Society's *Rules for the Survey and Construction of Steel Ships* and those of the *International Convention for the Safety of Life at Sea, 1974, as amended*, subject to conditional upon the manufacturers having a quality control system audited by a competent authority to ensure continuous compliance with the type approval conditions.

This certificate is valid until 15 February 2026.

Issued at Tokyo on 16 February 2021.

NIPPON KAIJI KYOKAI



Y. Takao

General Manager

Material and Equipment Department



1. Test reports

Test laboratory (Test place)	Report number	Date of issue
Danish Institute of Fire and Security Technology (Jernholmen 12, DK-2650 Hvidovre, Copenhagen, Denmark)	PGA11214A	14 September 2018
	PGA11215A	8 July 2020
	PHA11296A	9 July 2020
	PGA11316A	8 July 2020
	PGA11317A	12 March 2019

2. Limitations

1. In case that A-60 class penetration is used as A-15/A-30 class penetration, such penetration is to be applied to the specification for A-60 class penetration described in the attached drawing.

2. In case that A-60 class penetration is used as A-0 class penetration, any insulation fitted (on the penetration itself and 200 mm around) to be fitted also for A-0 class penetration.

Annex to the Certificate No. TA21162E(N)

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Dimension	Penetration	A-30 Insulation	A-30 Insulation	A-60 Insulation
Ø32				
Ø40				

EPDM

A	B	C	D	E	F	G	H	I
Ikke angivne tolerancer ifølge : Not stated tolerances according to : DS/ISO 2768-C						Overflade/Surface		Areal/Area 0.00000 m ²
Materiale/Material Werkst. Nr. 1.4301			Målestok/Scale 191210 JO	Tegnet/Drawn 191210 JO	Kontrolleret/Checked	Erstattet af/ Replaced by 1234		Rev. A
Titel/Designation Insulation dimensions on penetrations type 866.032.						Erstating for/ Replacement for 1234		Rev. A
						Tegning Nr./Drawing No. S-0377-362		Rev.