



# NIPPON KAIJI KYOKAI

## *Certificate*

Certificate No.  
TA16741E(R)

*OF*

### *APPROVAL*

Item	: A-0/60 class pipe penetration
Product name	: Roxtec Sealing System with Multidiameter™ Technology (pipe)
Specification	: See Annex.
Manufacturer	: Roxtec International AB Box540, S-371 23 Karlskrona, Sweden
Testing standard	: IMO FTP Code Annex1 / Part 3
Test report	: See Annex

THIS IS TO CERTIFY that the above type of product has been approved by Nippon Kaiji Kyokai with type approval No. 08FPA2DA, 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 manufacturer having a quality control system audited by a competent authority to ensure continuous compliance with the type approval conditions.

This certificate is valid until 9 August 2021.

Issued at Tokyo on 10 August 2016.

NIPPON KAIJI KYOKAI

  


T. Imamura  
General Manager

Material and Equipment Department

Initial approval date : 3 March 2008

Note: This certificate has been re-issued due to addition of the specification and renewal of valid date.

NOTE: The design, construction and way of installation subject to attachments. Any significant changes to the product without our approval will result in this certificate becoming null and void.  
This certificate may be renewed without retesting, provided that the test report is not more than 15 years old and that no alteration of components or construction has been made to the product.

Test Report

【Steel Division】

Test laboratory (Test place)	Report number	Issued date
Norwegian Fire Research Laboratory (N-7465 Trondheim, Norway)	103070.13 A	23 April 2002
	103070.13 B	23 April 2002
	103070.13 C	23 April 2002
	103070.23 A	11 December 2002
	103070.23 B	11 December 2002
	103070.10 A	07 December 2001
	103070.25 A	11 March 2003
	103070.25 B	11 March 2003
	103070.27 A	04 July 2003
	103070.27 B	04 July 2003
	103070.29 A	28 October 2003
	103070.29 B	28 October 2003
	103070.31 A	24 March 2004
	103070.31 B	25 March 2004
Swedish National Testing and Research Institute (SP Box 857 SE-501 15 Boras, Sweden)	P602999	23 January 2007
	P603000	23 January 2007
	P402000	17 September 2004
	P502921	01 December 2005
	P502922	01 December 2005
	P605253	09 February 2007
	P701755	12 June 2007
	4P07023	04 February 2015
	4P06068	17 January 2015
	PX05454	08 September 2011
P902394	25 May 2009	
Danish Institute of Fire and Security Technology (Jernholmen 12, DK-2650 Hvidovre, Denmark)	PGA10141	10 July 2012
	PGA10649	18 May 2015
	PGA10650	15 March 2015
Roxtec International AB (Witnessed with ABS)	ABS Report No. GB1741567	15 October 2009
Research Institute of Marine Engineering (Fujimicho, Higashimurayama, Tokyo, Japan)	09-345E	11 December 2009
	09-346E	11 December 2009

Limitations

## Size

Type	Size	Approved direction
S-series frames	1 – 8 and as combinations (See drawing No. S1005520, S1005518, S1005525, S1019592 and S1001544)	Vertical / Horizontal
S-series frames with PPS E frame	1 – 6 and as combinations (See drawing No. S1006468, S1006469 and S1504195)	Vertical / Horizontal
R-series frames	70mm - 200mm	Vertical / Horizontal



RS/RS OMD seals	23mm - 644mm	Vertical / Horizontal
RS PPS seals	31mm - 400mm	Vertical / Horizontal
RS PPS/S seals	43mm - 125mm	Horizontal
	31mm - 150mm	Vertical
RS X kit	25mm - 200mm	Vertical / Horizontal
RS OC seals	75mm - 400mm	Horizontal
R X kit	70mm	Horizontal
	70mm - 200mm	Vertical

Specification for A-0 class pipe penetration except DWG No.S1017855 rev.A (deck/bulkhead) and S1503480 rev.A (bulkhead)

The specification for A-0 penetration should be insulated on an exposed side (on the penetration itself and 200mm around).

**【Aluminum Division】**

Test laboratory (Test place)	Report number	Issued date
Norwegian Fire Research Laboratory (N-7465 Trondheim, Norway)	103070.03A	15 March 2001
	103070.03B	15 March 2001
	22N007.15A	15 February 2000
	22N007.15B	15 February 2000
	103070.33A	15 November 2004
	103201_89	04 August 2004
Swedish National Testing and Research Institute (SP Box 857 SE-501 15 Boras, Swedn)	P403634	30 December 2014
	P603000	23 January 2007
	P603001	23 January 2007
	P501943	15 May 2005
Danish Institute of Fire and Security Technology (Jernholmen 12, DK-2650 Hvidovre, Denmark)	PG11955	17 April 2009
	PG11898	17 April 2009

Limitations

Size

Type	Size	Approved direction
S-series frames	1 - 8 and as combinations (See drawing No. S1005520, S1005518, S1005525 and S1504109)	Vertical / Horizontal
S-series frames with PPS E frame	1 - 6 and as combinations (See drawing No. S1006468, S1006469 and S1504138)	Vertical / Horizontal
R-series frames	70mm - 200mm	Vertical / Horizontal
RS/RS OMD seals	23mm - 150mm	Vertical / Horizontal
RS PPS seals	31mm - 200mm	Vertical / Horizontal
RS PPS/S seals	31mm - 150mm	Vertical / Horizontal
RS X kit	31mm - 150mm	Vertical / Horizontal
RS X PPS/S seals	31mm - 150mm	Vertical / Horizontal