



TYPE APPROVAL CERTIFICATE
No. MAC242420XG

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

<i>Description</i>	MECHANICAL JOINTS FOR PIPES
<i>Type</i>	Style 07 - 77 - 75 - 741 - 750
<i>Applicant</i>	VICTAULIC COMPANY KESSLERSVILLE ROAD 4901 18040 EASTON U.S.A.
<i>Manufacturer</i>	VICTAULIC COMPANY
<i>Place of manufacture</i>	KESSLERSVILLE ROAD 4901 18040 EASTON U.S.A. See Remark (1)
<i>Reference standards</i>	RINA RULES
<i>Reference documents</i>	RINA TYPE APPROVAL SYSTEM

Issued in **Hamburg** on **October 6, 2020**. *This Certificate is valid until* **October 5, 2025**

RINA Services S.p.A.
Giuseppe Russo

This certificate consists of this page and 1 enclosure

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Reference documents:

Victaulic Product Description No.06.02, 06.04, 06.05, 06.06, 06.08
Manufacturers Catalogue "Victaulic Mechanical Piping Systems - General Catalogue".
Test Report No. 24425 dated March 7, 1997 from Underwriters' Laboratories of Canada.
Gasket Selection Data 05.01
Fire Endurance Test Reports filed for information under RINA doc. no. HMMC-11867

Manufacturing Locations:

Victaulic Easton Facility

4901 Kesslersville Road
Easton, PA 18040 – USA

Victaulic Alburtis Facility

8023 Quarry Road
Alburtis, PA 18011 – USA

Victaulic Polska Facility

STR Niepodleglosci 8
66-530 Drezdenko
Prov. Gorzow, Poland

Dalian Bingshan Metals Technology Co. Ltd.

No. 9 Northeast 7th Street
Dalian Economy & Development Zone
Dalian, 116600 China

Victaulic Piping Products (Dalian) Co. Ltd (VPP)

No. 13 Tie Shan Dong 2 Road
Dalian Development Zone
Dalian, 116630 China

Materials/Components:

Housing: Ductile iron conforming to ASTM A-536.

Coupling Gasket: see above mentioned Gasket Selection Data 05.01.

Bolts/Nuts: ASTM A-183 or equivalent having a minimum tensile of 760 N/mm²



TYPE APPROVAL CERTIFICATENo. **MAC242420XG****Enclosure - Page 2 of 3****Style 07 - 77 - 75 - 741 - 750****Technical characteristic:**

Style 07 - Rigid coupling	
Dimension DN	Pressure rating kPa
25 up 150	1600
200	1600
250 up 300	1600

Style 77 - Flexible coupling	
Dimension DN	Pressure rating kPa
20 up 300	1600

Style 75 - Flexible coupling	
Dimension DN	Pressure rating kPa
40 up 100	1600
125 up 200	1600

Style 741 - Vic flange (Class 125 & 150)	
Dimension DN	Pressure rating kPa
50 up 300	1550

Style 741 - (PN10 and PN16)	
Dimension DN	Pressure rating kPa
50 up 300	1000 / 1600

Style 750 - Reducing coupling	
Dimension DN	Pressure rating kPa
50x25 up 200x150	1600

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Field of application:

- Fresh Water System.
- Sea Water Cooling System inboard of required shell valves.
- Bilge Pipes not in cargo holds or deep tanks.
- Ballast Systems when the pipelines pass through other ballast tanks.
- Cargo oil Piping on oil tankers, cargo tanks and pump room Fuel Oil Transfer Systems on deck and through other fuel tanks only. Not acceptable in oil line in pipe duct keels.
- Lube Oil Transfer Systems on deck and through other lube tanks only. Not acceptable in oil line in pipe duct keels.
- Compressed Air Systems.
- Sanitary Systems inboard of required shell valves
- Acceptable in Vents, Overflows and Sounding pipes provided that they are not located in such a position that subsequent leakage would create hazards by way of fire, damage to electrical systems or cargo and by the release of noxious or toxic vapours in enclosed spaces.
- Potable Water Systems.
- Fire Main Systems.

The joints are to be used in easily accessible locations only. The fields of application are to be in accordance with Table 16 and 17 of Section 10 Chapter 1 Part C of RINA Rules.

Grade E/EPDM and Grade T (Type A) gasket materials have been fire tested in accordance with the requirement of IACS UR P2.11.5.5.6, and therefore are allowed to be used in every location, where an approved fire resistant type of gasket is also required.

Acceptance conditions:

The components are to be installed in a location where leakage would not create a hazard by way of damage to electrical systems or otherwise create a hazard to the vessel, equipment or personnel onboard.

The components and gaskets (Victaulic Gasket Selection data 05.01) are to be installed in accordance with Manufacturer's recommendations / limitations / requirements.

The acceptance on board is subject to testing as per RINA Rules.

Remarks:

The installation on board is to be made in compliance with Manufacturer's instructions and with Paragraph 2.4.5 Section 10 Chapter 1 Part C and other applicable RINA Rules.

Hamburg September 29, 2020

