



**TYPE APPROVAL CERTIFICATE**  
**No. MAC244418XG**

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

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

Issued in **Hamburg** on **September 24, 2018**. This Certificate is valid until **August 27, 2020**

RINA Services S.p.A.  
**Giuseppe Russo**

Remark (1): Manufacturing locations are listed on page 1 of enclosed sheets.

This certificate consists of this page and 3 enclosures.



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Style 07 - 77 - 75 - 741 - 750

**Technical characteristic:**

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

<b>Style 77 - Flexible coupling</b>	
Dimension DN	Pressure rating kPa
20 up 300	1600

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

<b>Style 741 - Vic flange (Class 125 &amp; 150)</b>	
Dimension DN	Pressure rating kPa
50 up 300	1550

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

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



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**Style 07 - 77 - 75 - 741 - 750**

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Dimension DN	Pressure rating kPa
25 up 150	1600
200	1600
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<b>Style 77 - Flexible coupling</b>	
Dimension DN	Pressure rating kPa
20 up 300	1600

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

<b>Style 741 - Vic flange (Class 125 &amp; 150)</b>	
Dimension DN	Pressure rating kPa
50 up 300	1550

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

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



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Style 07 - 77 - 75 - 741 - 750

### 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.

This Type Approval Certificate has replaced the previous Certificate No. MAC142815XG/001 as its revised version.

**Hamburg September 24, 2018**

