



Type Approval Certificate Extension

This is to certify that Certificate No. 99/60180 (E4) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER Victaulic Company
PLACE OF PRODUCTION 4901 Kesslersville Road
Easton
Pennsylvania, 18040-6714
United States of America

Alternate Place of Production Victaulic Company
Alburtis Facility
8023 Quarry Road
Alburtis, PA 18011 USA

Victaulic Company
Victaulic Company Polska Sp. Z.o.o.
66-530 Drezdenko, Poland
Woj. Lubuskie
Ul. Niepodleglosci 8
Poland

Dalian Bingshan Metal Technology Co. Ltd.
No. 9 Northeast 7th Street
Dalian Economy & Technology Developing Zone
Dalian 116600 China

DESCRIPTION Grooved Pipe fittings. with Grade 'E' EPDM & Grade 'T' (Type A) Nitrile gaskets(Fire resistant type gaskets as per IACS UR P2.11) & Nitrile gaskets (non-fire tested type)

Certificate No. 99/60180(E5)

Issue Date 17 Oct 2018

Expiry Date 29 Aug 2023

Sheet 1 of 3

Gopal Nair



Lloyd's Register Quality Assurance, Inc
1330 Enclave Parkway, Suite 200,
Houston, Texas - 77077

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TYPE 07, 75, 77, 99, 005, 750, 920 & 920N

SPECIFIED STANDARD Regulations for the Classification of Ships
 Rules and Regulations for Classification of Offshore Units.
 Rules and Regulations for Classification of Naval Ships
 IACS UR P 2.11 -2016
 Shock Test as per MIL-S-901D 17 March 1989

Ratings

Coupling series	Size ranges (mm)	Inches	Maximum working pressure bar	Maximum working pressure (psi)
07 Zero-Flex Rigid Coupling	25-300	1-12	16	232
75 Flexible Couplings	40-200	1 1/2- 8	16	232
77 Flexible Couplings	20 -300	3/4 -12	16	232
99* # Roust-A-Bout Rigid Plain End Coupling	40-200 250-300	1 1/2 - 8 10-12	16 14	232 200
005 FireLock Rigid Coupling	25- 200	1-8	16	232
750 # Reducing Coupling	50x25 to 200 x150	2x1 to 8 x6	16	232
920 / 920N Mechanical Tee Outlet	50x15 to 200x100	2x 1/2 to 8x4	16	232

* not permitted for class I piping system
 # Not produced in Dalian, China

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Limitations

- a) For application to specific systems refer to Rules and Regulations for the Classification of Ships Part 5, Chapter 12 section 2.12 and table 12.2.7
- b) The EDPM and Nitrile T (type A) gaskets have passed the fire tests in accordance with IACS UR P.2.11. Nitrile gaskets are non-fire tested type.
- c) Materials of the slip-on couplings are to be compatible with the piping material and internal and external media.
- d) Class I piping system all are to be machined groove type, style 99 which is non-grooved type are not to be used in class I systems.
- e) The above couplings are to be installed in accordance with manufacturer's instructions to the satisfaction of the attending Surveyor
- f) Material – Ductile Iron ASTM A 536 Grade 65-45-12.
- g) Coupling outlets containing threaded connections are subject to Part 5, chapter 11 sections 2.10 and 2.11 of the Rules.
- h) Couplings style 07 and 77 have passed shock test as per standard MIL-S-901D-1989 and use of this shock test standard to be verified for each naval application.

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register of any modification or changes to the equipment in order to obtain a valid certificate."

The Design Appraisal Document No. 99/60180(E5) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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