



Confirmation of Product Type Approval

Company Name: VICTAULIC COMPANY

Address: 4901 KESSLERSVILLE ROAD, EASTON, PA, United States, 18040

Product: Pipe Coupling

Model(s): Style W77 and W07

Endorsements:

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	21-2092460-PDA	11-MAR-2021	10-MAR-2026
Manufacturing Assessment (MA)	16-PA3150618	07-JUN-2016	06-JUN-2021
Product Quality Assurance (PQA)	NA	NA	NA

Tier

3 - Type Approved, unit certification not required

Intended Service

Marine & Offshore Applications - for Fresh, Sea Water Cooling, Ballast, Fire Mains, Water Spray and Sprinkler Applications, Compressed Air, Sanitary, Potable Water Systems & in Vents, Overflows & Sounding Piping, and Scrubber.

Description

Advanced Grooved System (AGS) mechanical pipe couplings

Style W07 - AGS Rigid Coupling

Style W77 - AGS Flexible Coupling

Sizes 14" - 24" (350mm - 600mm)

Material: Ductile Iron conforming to ASTM A-536, Grade 65-45-12

Gasket Material: Grade E (EPDM)

Ratings

Rated Working Pressure: 16 bar (232 psi)

Temperature Range: -30°F to 230°F; -34°C to 110°C (EPDM Gasket)

Service Restrictions

1. Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

2. The fittings are not to be used in systems where pressure pulsation is expected in accordance with MVR 4-6-2/Table 12 Note 1.
3. Grade 'E' EPDM gasket is fire tested, and are approved, fire resistant type.
4. See MVR 4-6-2/Table 10 and Table 11 for the application of mechanical joints

Comments

1. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
2. The coupling is to bear permanent identification, such as manufacturer's name or trademark, standard of compliance, material identity, pressure rating, etc., as required by the standard of compliance or the manufacturer's specification. Such markings may be cast or forged integral with, stamped on, or securely affixed by nameplate on the component, and are to serve as a permanent means of identification of the component throughout its service life.

Notes, Drawings and Documentation

Drawing No. C-140-W77-003, COUPLING ASSEMBLY, 14" / 355,6mm THRU 630mm STYLE, Revision: I, Pages: 1

Drawing No. G-140-W07-004, GASKET, FLUSH SEAL, EXTRUDED SECTION, 14"/355,6MM, Revision: E, Pages: 1

Drawing No. G-140-W07-004_ICT-01, Template, Revision: -, Pages: 1

Drawing No. H-140-W77-001, COUPLING HOUSING, CASTING / MACHINING, 14" / 355,6, Revision: N, Pages: 1

Drawing No. H-160-W77-001, "COUPLING HOUSING, CASTING / MACHINING, 16"" / 406", Revision: O, Pages: 1

Drawing No. H-180-W77-001, COUPLING HOUSING, CASTING / MACHINING, 18" / 457mm, Revision: O, Pages: 1

Drawing No. H-200-W77-001, COUPLING HOUSING, CASTING / MACHINING, 20" / 508mm, Revision: N, Pages: 1

Drawing No. H-220-W77-001, "COUPLING HOUSING, CASTING / MACHINING, 22"" / 559", Revision: F, Pages: 1

Drawing No. H-240-W77-001, COUPLING HOUSING, CASTING / MACHINING, 24" / 610mm, Revision: N, Pages: 1

Drawing No. Cat Sheet 20, Catalog Sheet, Revision: -, Pages: 1

DNV Tests Report for W77 16inch dated 10-04-2011

DNV Tests Report for W77 24inch dated 03-11-2011

ABS Tests Report for W77 14inch dated 01-27-2016 and 03-03-2016

ABS Tests Report for W07 14inch dated 01-27-2016 and 02-29-2016

ABS Tests Report for W77 20inch dated 01-27-2016

ABS Tests Report for W07 20inch dated 01-27-2016, 02-23-2016 and 03-01-2016

ABS Tests Report for W77 24inch dated 01-27-2016

ABS Tests Report for W07 24inch dated 01-27-2016, 02-17-2016 and 02-29-2016

Term of Validity

This Product Design Assessment (PDA) Certificate remains valid until 10/Mar/2026 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

ABS Rules

Rules for Conditions of Classification, Part 1 – 2021 Rules for Building and Classing Marine Vessels 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:

2021 Marine Vessel Rules 4-6-2/5.9

Rules for Conditions of Classification, Part 1 – 2021 Rules for Building and Classing Mobile Offshore Units 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:

2021 Mobile Offshore Units Rules 4-2-1/11.13;

International Standards

ISO 19921:2005(E)

ISO 19922:2005(E) (EPDM Gasket)

EU-MED Standards

NA

National Standards

NA

Government Standards

NA

Other Standards

NA



A handwritten signature in blue ink, appearing to read 'James W. ...', is positioned above the printed name.

Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 08-Apr-2021 10:08

ABS has used due diligence in the preparation of this certificate, and it represents the information on the product in the ABS Records as of the date and time the certificate is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the product design assessment. Unless specifically indicated in the description of the product, certification under type approval does not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.