



## Confirmation of Product Type Approval

**Company Name:** VICTAULIC COMPANY

**Address:** 4901 KESSLERSVILLE ROAD PA 18040 United States

**Product:** Flexible Pipe Coupling & Joint

**Model(s):** Style 177N Quick Vic Flexible Couplings

**Endorsements:**

<b>Certificate Type</b>	<b>Certificate Number</b>	<b>Issue Date</b>	<b>Expiry Date</b>
Product Design Assessment (PDA)	21-2175635-PDA	27-OCT-2021	26-OCT-2026
Manufacturing Assessment (MA)	21-4801999	03-JUN-2021	02-JUN-2026
Product Quality Assurance (PQA)	NA	NA	NA

### **Tier**

3 - Type Approved, unit certification not required

### **Intended Service**

Marine & Offshore Application - 1. Fresh Water System - in accessible locations only; 2. Sea Water Cooling Systems - in accessible locations only and inboard of required shell valves or where shell valves (or the equivalent) are not required; 3. Ballast Systems - in accessible locations only or when the pipelines pass through other ballast tanks; They are also acceptable on tankers for clean ordinary ballast lines provided the lines terminate in the pump room; 5. Fire Mains, Water Spray, and Sprinkler Applications - in accessible locations; 6. Compressed Air Systems - in accessible locations; 7. Sanitary Systems - in accessible locations only and inboard of required shell valves; 8. Acceptable in Vents, Overflows & Sounding pipes in accessible locations provided 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 vapors in enclosed spaces; 9. Potable Water Systems - in accessible locations;

### **Description**

Style 177N Quick Vic Flexible Couplings

### **Ratings**

Sizes: 2" (50 mm) to 8" (200 mm)

232 psi (16 bar)

Grade EHP (EPDM) Gasket Material

See Attachment for More Details

### **Service Restrictions**

1. Unit Certification is not required for this product. If the manufacturer or purchaser requests 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 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;
3. The components and gaskets (Victaulic Gasket Selection Data 05.01) are to be installed in accordance with the manufacturer's recommendation / limitations / requirements.
4. It is not to be used where pressure pulsation is expected in accordance with 4-6-2/Table 12 Note 1 of the Marine Vessel Rules.

### Comments

1. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
2. The Pressure Ratings are based upon connecting of subject components with at least Standard Steel Piping (ASTM A-53 & 106). Materials of Components is Ductile Iron conforming to ASTM A-536, Grade 65-45-12.
3. Applications of Mechanical Joints as per 4-6-2/Table 10 of the Marine Vessel Rules.

### Notes, Drawings and Documentation

Drawing No. C-000-177N-000, COUPLING ASSEMBLY, 3/4" / 26,9mm THRU 8" / 219,1mm, Revision: H

Drawing No. G-020-177N-002, GASKET, 2" / 60,3mm STYLE 107N, 177N, 356, 357, Revision: H

Drawing No. G-024-177N-002, GASKET, 2-1/2" / 73mm STYLE 177N, 107N, 356, 357, Revision: I

Drawing No. G-030-177N-002, GASKET, 3" / 88,9mm STYLE 107N, 177N, 356, 357, Revision: H

Drawing No. G-040-177N-002, GASKET, 4" / 114,3mm STYLE 107N, 177N, 356, 357, Revision: I

Drawing No. G-050-177N-003, GASKET, 5" / 141,3mm STYLE 177N,107N, Revision: C

Drawing No. G-060-177N-002, GASKET, 6" / 168,3mm STYLE 107N, 177N, 356, 357, Revision: H

Drawing No. H-020-177N-001, COUPLING HOUSING, CASTING, 2" / 60,3mm STYLE 177N, Revision: F

Drawing No. H-024-177N-001, COUPLING HOUSING, CASTING, 2-1/2" / 73mm STYLE 177, Revision: F

Drawing No. H-030-177N-001, COUPLING HOUSING, CASTING, 3" / 88,9mm STYLE 177N, Revision: F

Drawing No. H-040-177N-001, COUPLING HOUSING, CASTING, 4" / 114,3mm STYLE 177N, Revision: G

Drawing No. H-060-177N-001, COUPLING HOUSING, CASTING, 6" / 168,3mm STYLE 177N, Revision: F

### Term of Validity

This Product Design Assessment (PDA) Certificate remains valid until 26/Oct/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**

The Rules for Conditions of Classification, 2021 Marine Vessel Rules 1-1-4/7.7, 1-1-A3,1-1-A4, which covers the following:

2021 Rules for Building and Classing Marine Vessels: 4-6-2/5.9

The Rules for Conditions of Classification, Offshore Units and Structures, 2021 Mobile Offshore Units 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:

2021 Rules for Building and Classing Mobile Offshore Units: 4-2-1/11.13

**International Standards**

NA

**EU-MED Standards**

NA

**National Standards**

ASTM A536-84(2019)E1

**Government Standards**

NA

**Other Standards**

NA



Corporate ABS Programs  
American Bureau of Shipping  
Print Date and Time: 18-Nov-2021 9:15

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.