



Confirmation of Product Type Approval

Please refer to the "Service Restrictions" shown below to determine if Unit Certification is required for this product. This certificate reflects the information on the product in the ABS Records as of the date and time the certificate is printed.

Pursuant to the Rules of the American Bureau of Shipping (ABS), the manufacturer of the below listed product held a valid Manufacturing Assessment (MA) with expiration date of 16/JUN/2016. The continued validity of the Manufacturing Assessment is dependent on completion of satisfactory audits as required by the ABS Rules.

And; a Product Design Assessment (PDA) valid until 08/MAY/2021 subject to continued compliance with the Rules or standards used in the evaluation of the product.

The above entitle the product to be called Product Type Approved.

The Product Design Assessment is valid for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.

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.

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.

Product Name: Pipe Coupling
Model Name(s): Style W77 and W07

Presented to:
VICTAULIC COMPANY
4901 KESSLERSVILLE ROAD
United States

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

Comments: The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product. Marking of product: - Manufacturers name or trademark - Type designation and size

Notes / Documentation: Drawing No. C-140-W77-003, Coupling Assembly, 14, Revision: F, Pages: 1
 Drawing No. Cat Sheet 20, Catalog Sheet, Revision: -, Pages: 1 Drawing No.
 G-140-W07-004, Gasket, Flush Seal, Extruded Section, 14, Revision: D, 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, Revision: L, Pages: 1
 Drawing No. H-160-W77-001, Coupling Housing, Casting/Machining, 16, Revision:
 L, Pages: 1 Drawing No. H-180-W77-001, Coupling Housing, Casting/Machining,
 18, Revision: L, Pages: 1 Drawing No. H-200-W77-001, Coupling Housing,
 Casting/Machining, 20 / 508mm Style W77, Revision: L, Pages: 1 Drawing No.
 H-220-W77-001, Coupling Housing, Casting/Machining, 22, Revision: D, Pages: 1
 Drawing No. H-240-W77-001, Coupling Housing, Casting/Machining, 24 / 610mm
 Style W77, Revision: L, Pages: 1 Test Report W77 16inch 10-2011 Test Report
 W77 24inch 03-2011 Test Report W07 14inch 01-26-2016 Test Report W77 14inch
 01-26-2016 Test Report W07 20inch 01-26-2016 Test Report W77 20inch
 01-26-2016 Test Report W07 24inch 01-26-2016 Test Report W77 24inch
 01-26-2016

Term of Validity: This Product Design Assessment (PDA) Certificate 14-HS1293127-PDA, dated 09/May/2016 remains valid until 08/May/2021 or until the Rules or specifications used in the assessment are revised (whichever occurs first). This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product. Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA. Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

ABS Rules: Rules for Conditions of Classification, Part 1 - 2016 Steel Vessels Rules 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following: 2016 Steel Vessels 4-6-2/5.9; Rules for Conditions of Classification, Part 1 – 2016 Offshore Units and Structures 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following: 2016 Mobile Offshore Drilling Units 4-2-1/11.13;

National Standards:


International Standards: ISO 19921:2005(E) & ISO 19922:2005(E) (EPDM Gasket)

Government Authority:

EUMED:

Others:

Model Certificate	Model Certificate No	Issue Date	Expiry Date
PDA	14-HS1293127-PDA	10/MAY/2016	08/MAY/2021



ABS Programs

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 was printed. Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. Limited circumstances may allow only Prototype Testing to satisfy Type Approval. The approvals of Drawings and Products remain valid as long as the ABS Rule, to which they were assessed, remains valid. ABS cautions manufacturers to review and maintain compliance with all other specifications to which the product may have been assessed. Further, unless it is specifically indicated in the description of the product; Type Approval does not necessarily waive witnessed inspection or survey procedures (where otherwise required) for products to be used in a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS. 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.