



## Confirmation of Product Type Approval

**Company Name:** SPEICH S.R.L.

**Address:** VIA G. ADAMOLI, 443, GENOVA, Italy, 16141

**Product:** Window Wiper

**Model(s):** Straight Line Wipers Model: - PG.3F (single arm, internal motor) - PGD.3F (double arm, internal motor) - PG-Ext (single arm, external motor) - PGD-Ext (double arm, external motor)

### Endorsements:

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	21-2071664-PDA	10-FEB-2021	09-FEB-2026
Manufacturing Assessment (MA)	19-GE3660662	23-APR-2019	22-APR-2024
Product Quality Assurance (PQA)	NA	NA	NA

### Tier

3 - Type Approved, unit certification not required

### Intended Service

Straight Line Wipers for Marine Applications

### Description

Single and double arm; internal and external motor

### Ratings

Power supply: 110-230Vac.

Ambient Temperature Rating: - 30 °C to + 45 °C

### Service Restrictions

1. Unit Certification is not required for this product.
2. 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.
3. Wipers are not suitable for hazardous area installations as defined in 4-8-3/13 of Marine Vessels Rules.
4. The scope of Type Approval is to comply with MSC.1/Circ.1221 dated 11 December 2006.

### Comments

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

**Notes, Drawings and Documentation**

Drawing No. ABS type approval for SPEICH PG-Ext and PGD-Ext, ABS type approval for SPEICH PG-Ext and PGD-Ext

Drawing No. Disegno assieme tergi PG, Disegno assieme tergi PG

Drawing No. Disegno assieme tergi PG.3F, Disegno assieme tergi PG.3F

Drawing No. Disegno esploso generale PG-Ext, Disegno esploso generale PG-Ext

Drawing No. Disegno esploso parti motore PG-Ext, Disegno esploso parti motore PG-Ext

Drawing No. Motore P-IND per PG-3F, Motore P-IND per PG-3F

Drawing No. Speich\_Test durata secondo ISO17899 PG, Speich\_Test durata secondo ISO17899 PG (Genoa, 13 June 2011)

Biamino e Figli S.p.A. Tests Reports No.0155/0156/0157 (Genoa, 09 and 13 June 2011)

EMC S.r.l. Test Report No.0701/2011 (Genoa, 25 July 2011)

BSH Certificate No.691 (Genoa, 15 March 2011)

Thermal Analysis (Genoa, 19/03/2013)

Salt Water Tests (Genoa, 05/11/2012)

Complete System Durability Tests (Genoa, 04/04/2011)

Wiper Blades Durability Tests (Genoa, 05/11/2012)

Temperature Tests (Genoa, 20/10/2011)

Surge Tests No.0157 (Genoa, 15/03/2013)

PQT Tests No.0158 (Genoa, 15/03/2013)

EMC Tests No.0403/2013 (Genoa, 24/04/2013)

Burst Tests No.0156 (Genoa, 15/03/2013)

Salt Spray Tests No. WTD 71-330-130 (Genoa, 18/02/2013)

Temperature Tests (Genoa, 19/10/2011)

Vibration & Mechanical Shock Tests No.13-4963 (Genoa, 25/02/2013)

Speich S.r.l. Dry heat Test Report No. TR-190307-00 (Genoa, 07/03/2019)

Speich S.r.l. Inclination Test Report No. TR-190307-01 (Genoa, 07/03/2019)

EMC test report No. 0408-2019 (Genoa, 18-apr-2019)

**Term of Validity**

This Product Design Assessment (PDA) Certificate remains valid until 09/Feb/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**

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

2021 Marine Vessels Rules 4-9-9/13

2021 Mobile Offshore Units, 4-3

**International Standards**

IEC 60945 (2002)

ISO 17899 (2004)

ISO 25862 (2009) Annex E and F

**EU-MED Standards**

NA

**National Standards**

NA

**Government Standards**

NA

**Other Standards**

NA



A handwritten signature in blue ink, appearing to read 'James J. White'.

Corporate ABS Programs  
American Bureau of Shipping  
Print Date and Time: 25-Feb-2021 3:40

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.