



## Confirmation of Product Type Approval

**Company Name:** B. HEPWORTH AND CO LTD

**Address:** HEPWORTH MARINE AND WYNN MARINE LTD, 2-4 MERSE ROAD, NORTH MOONS MOAT, REDDITCH, United Kingdom, B98 9HL

**Product:** Window Wiper

**Model(s):** Heavy and Medium Duty Pantograph and Pendulum marine windscreen wiper systems

**Endorsements:**

<b>Certificate Type</b>	<b>Certificate Number</b>	<b>Issue Date</b>	<b>Expiry Date</b>
Product Design Assessment (PDA)	21-2117103-PDA	28-APR-2021	27-APR-2026
Manufacturing Assessment (MA)	16-LD3149038	01-JUN-2016	31-MAY-2021
Product Quality Assurance (PQA)	NA	NA	NA

### **Tier**

3 - Type Approved, unit certification not required

### **Intended Service**

Wipers for use on ABS Classed Vessels and Offshore Facilities in accordance with the listed ABS Rules.

### **Description**

Pantograph and pendulum window wiper, single and twin blades. Specifications/data sheet as per attachment.

### **Ratings**

Standard Details: 2 Speed; Self Parking; Insulated Earth Return; 12V and 24V DC for 20 Nm, 50 Nm & 80 Nm or 12V, 24V, 72V 110V DC, 110V- 220V AC for 70 Nm, 100 Nm

20Nm/30Nm Medium duty window wiper.

Pantograph Arms Length: 12" to 24" (310mm to 610mm) nom

Pendulum Arms Lengths: 12" to 28" (310mm to 710mm) nom

Blade lengths: 12" to 24" (310mm to 610mm) nom

Angles of Arc - Variable

50Nm Heavy duty window wiper

Pantograph Arms Length: 12" to 34" (310mm to 860mm) nom

Pendulum Arms Lengths: 12" to 34" (310mm to 860mm) nom

Blade lengths: 12" to 28" (310mm to 710mm) nom or 32" (810mm), nom

70Nm & 80Nm Extra heavy duty window wiper.

Pantograph Arms Length: 24" to 60" (610mm to 1525mm) nom

Pendulum Arms Lengths: 24" to 60" (610mm to 1525mm) nom

Blade lengths: 12" to 28" (310mm to 710mm) nom or 32" (810mm), 36" (915mm) & 39" (1000mm)

100Nm Extra heavy duty window wiper.

Pantograph Arms Length: 24" to 72" (610mm to 1830mm) nom

Pendulum Arms Lengths: 24" to 72" (610mm to 1830mm) nom

Blade lengths: 12" to 28" (310mm to 710mm) nom or 32" (810mm), 36" (915mm), 39" (1000mm)

Double blade configuration up to 1500mm

110Nm Extra heavy duty window wiper.

Pantograph Arms Length: 24" to 89" (610mm to 2500mm) nom

Pendulum Arms Lengths: 24" to 72" (610mm to 1830mm) nom

Blade lengths: 12" to 28" (310mm to 710mm) nom or 32" (810mm), 36" (915mm), 39" (1000mm)

Double blade configuration up to 1500mm

Operated by various controls including a rotary switch, toggle switch, rocker switch or a multi-speed/function control system.

Full detail of products is at the attached document "Products datasheet".

### **Service Restrictions**

1. Unit Certification is not required for this product.
2. 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.
3. Wipers are not suitable for hazardous area installations as defined in 4-8-3/13 of Marine Vessels Rules.

### **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. 100Nm, 100Nm extra heavy duty window wiper, Revision: 2,

Drawing No. 110Nm, Extra heavy duty window wiper, Revision: -,

Drawing No. 20Nm, 20Nm Medium duty window wiper, Revision: 2,

Drawing No. 50Nm, Heavy Duty Window Wiper, Revision: -,

Drawing No. 70Nm, 70Nm extra heavy duty window wiper, Revision: 2,

Drawing No. 80Nm, 80Nm extra heavy duty window wiper, Revision: 2,

Drawing No. On-line application - PDA revalidation 16-LD1504247-PDA, Revision: -,

**Term of Validity**

This Product Design Assessment (PDA) Certificate remains valid until 27/Apr/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 I - 2021 – 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:

2021 Marine Vessels Rules: 4-8-3/Table 2, 4-9-9/13

2021 Steel Barge Rules: 4-1-3/5.7

2021 Steel Vessels for Service on Rivers and Intracoastal Waterways: 4-5-3/Table 1

Rules for Conditions of Classifications -High-Speed Craft: 2021 - 1-1-4/11.9, 1-1-A2, 1-1-A3, which covers the following:

2021 High-Speed Craft Rules: 4-6-1/Table 2 & 3

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

2021 Mobile Offshore Units Rules: 4-3-3/Table 1

2021 Facilities on Offshore Installations: 3-6/Table 1A & 1B

**International Standards**

NA

**EU-MED Standards**

NA

**National Standards**

NA

**Government Standards**

NA

**Other Standards**

Manufacturers Standards



A handwritten signature in blue ink, appearing to read "Joseph W. ...".

Corporate ABS Programs  
American Bureau of Shipping  
Print Date and Time: 04-May-2021 3:35

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.