



CERTIFICATE NUMBER  
EFFECTIVE DATE  
EXPIRY DATE  
ABS TECHNICAL OFFICE

23-2395664-PDA  
28-Apr-2023  
27-Apr-2028  
Rio de Janeiro Engineering Admin

## CERTIFICATE OF Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

# **FLEXPRIN INDUSTRIA COMERCIO E SERVICOS MARITIMOS LTDA**

located at

**RUA JEAN BAPTIST HENOT - 64, MAGE, RJ, Brazil, 25900-000**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

**Product:** Personnel Basket  
**Model:** APOLLO 6  
**Endorsements:**  
**Other Endorsement:** Personnel Transfer Basket  
**Tier:** 5 - Unit Certification Required

This Product Design Assessment (PDA) Certificate remains valid until 27/Apr/2028 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.

American Bureau Of Shipping

Ivson Soares, Managing Principal Engineer

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

# FLEXPRIN INDUSTRIA COMERCIO E SERVICOS MARITIMOS

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## Tier: 5 - Unit Certification Required

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**Product:** Personnel Basket  
**Model:** APOLLO 6  
**Endorsements:**  
**Other Endorsement:** Personnel Transfer Basket

**Intended Service:**  
Basket intended to transfer personnel from a vessel to an offshore unit.

**Description:**  
Basket tested for compliance with NORSOK 2017, item A.8 - Personnel transfer carriers.  
Designed to be picked up from a supply vessel to a fixed or floating offshore installation in a sea state corresponding to a significant wave height (Hs) of at least 3 m.

**Rating:**  
-Maximum Gross Mass equal to 2 tons  
- Dynamic Amplification Factor equal to 1.5.  
-The crane hoisting speed to be no less than 2 m/s.

**Service Restriction:**  
- 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.  
- Maximum capacity of 6 persons onboard.  
- Restricted to be operated in environmental conditions to a maximum wind speed of 30 Knots and maximum wave height of 4 meters.

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

**Notes/Drawing/Documentation:**  
Drawing No. 101718, PERSONAL TRANSFER BASKET ARRANGEMENT AND PRESENTATION, Revision: 4, Pages: 1  
Drawing No. 101718\_2, PERSONAL TRANSFER BASKET ARRANGEMENT AND PRESENTATION - VIEWS, Revision: 4, Pages: 1  
Drawing No. WO NR-ESPECIFICACAO TECNICA APOLLO 6, ESPECIFICACAO TECNICA APOLLO 6, Revision: -, Pages: 1  
Drawing No. WO NR-ESPECIFICACAO TECNICA\_2 APOLLO 6, ESPECIFICACAO TECNICA\_2 APOLLO 6, Revision: -, Pages: 1  
Drawing No. WO NR-RELATORIO DE TESTES, RELATORIO DE TESTES, Revision: -, Pages: 1  
Drawing No. WO NR-RELATORIO DE TESTES\_2, RELATORIO DE TESTES- NORSOK, Revision: -, Pages: 1 ; dated February 2020

**Terms of Validity:**  
This Product Design Assessment (PDA) Certificate remains valid until 27/Apr/2028 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.

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**Tier: 5 - Unit Certification Required**

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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.

**STANDARDS**

**ABS Rules:**

2023 Rules for Conditions of Classification, Part 1 - Offshore Units and Structures 1-1-4/9.7, 1-1-A2, 1-1-A3

**National:**

NA

**International:**

NORSOK Standard R-002:2017

**Government:**

NA

**EUMED:**

NA

**OTHERS:**

NA