



Marine & Offshore

Certificate number: 21702/C0 BV

File number: MAT 2502-2009

Product code: 90071

*This certificate is not valid when presented without the full attached schedule composed of 7 sections*

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## APPROVAL CERTIFICATE for MATERIALS

*This certificate is issued to*

**HUTA BANKOWA Sp. z o.o.**  
DABROWA GORNICZA - POLAND

*for the type of product*

### HIGHER STRENGTH HULL STEEL ROLLED PRODUCTS

Hot rolled bulb flats in steel grades AH32/AH36 and DH32/DH36

**Requirements:**

Bureau Veritas Rules on Materials and Welding for the Classification of Marine Units

*This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.*

**This certificate will expire on: 15 Oct 2024**

**For Bureau Veritas Marine & Offshore,**

At BV KATOWICE, on 15 Oct 2019,

Wojciech Lubojanski



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site [www.veristar.com](http://www.veristar.com). Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

## **THE SCHEDULE OF APPROVAL**

### **1. PRODUCT DESCRIPTION :**

Hot rolled bulb flats.

<b>Grades</b>	<b>Deoxydation practice &amp; Refining</b>	<b>Delivery conditions - Thickness</b>
AH32-DH32	Killed and fine grain treated with Al+V+Nb	As rolled (AR) with thickness up to 13mm
AH36-DH36	Killed and fine grain treated with Al+V+Nb	As rolled (AR) with thickness up to 13mm

Bulb flats width are from 220mm up to 300mm according to EN 10067.

Semi finished products such as ingots are manufactured and delivered by Mittal Steel Poland.

### **2. DOCUMENTS AND DRAWINGS :**

As per following documentation issued by Huta Bankowa Sp. zo.o:

- "Report from steel grades AH32 and AH36 inspection in order to obtain acceptance from Bureau Veritas for bulb flats production with thickness up to 13 mm" dated April 2009.
- "Report from steel grades DH32 and DH36 inspection in order to obtain acceptance from Bureau Veritas for bulb flats production with thickness up to 13 mm" dated June 2014.

### **3. TEST REPORTS :**

As per following documentation issued by Huta Bankowa Sp. zo.o:

- "Report from steel grades AH32 and AH36 inspection in order to obtain acceptance from Bureau Veritas for bulb flats production with thickness up to 13 mm" dated April 2009.
- "Report from steel grades DH32 and DH36 inspection in order to obtain acceptance from Bureau Veritas for bulb flats production with thickness up to 13 mm" dated June 2014.

### **4. APPLICATION / LIMITATION :**

As per Bureau Veritas Rules for Classification.

### **5. PRODUCTION SURVEY REQUIREMENTS :**

- 5.1 - The steel bulb flats are to be supplied by Huta Bankowa Sp. zo.o in compliance with the type and the requirements described in this certificate.
- 5.2 - This type of product is within the category IBV of Bureau Veritas Rule Note NR320.
- 5.3 - BV product certificate is required.

### **6. MARKING OF PRODUCT :**

As per Bureau Veritas Rules for Classification.

### **7. OTHERS :**

This certificate replaces approval number 21702/A0 BV and 21702/B0 BV.

\*\*\* END OF CERTIFICATE \*\*\*