## Certificate of Works Approval

This is to certify that the manufacturer stated in the certificate meets the requirements of the standards listed below and is available with the ability and conditions to produce the products described in the certificate.

### Manufacturer

**Duramax Marine LLC**

**Address**

17990 Great Lakes Parkway, Hiram, Ohio, 44234 USA

### Product

**Compound bearing material**

**Marine Bearing Material**

**Synthesis bearing materials**

**Marine Bearing Material**

### Approval Standard

1. 中国船级社《钢质海船入级规范》(2018) 及修改通报第2篇第3章

Chapter 3, Part Three of China Classification Society Rules for Classification of Sea-Going Steel Ships 2018 and its Amendments.

### Intended for

船舶与海上设施/Ship and Offshore Installations

### Product Description

**Marine Bearing Material (MC0001)**

<table>
<thead>
<tr>
<th>Name/Name</th>
<th>Value</th>
<th>Unit/Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brass Sleeve Type, Shaft Size 19mm to 406mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-Metallic Sleeve Type, Shaft Size 19mm to 406mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solid Brass Flanged Type, Shaft Size 50.8mm to 635mm</td>
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<td></td>
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<tr>
<td>Spilt Brass Flanged Type, Shaft Size 50.8mm to 635mm</td>
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<td></td>
</tr>
<tr>
<td>Solid Brass Flanged Type, Shaft Size 50.8mm to 635mm</td>
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</tbody>
</table>

**Material**

DURAMAX Compact Materials

**Lubricated Medium**

Water

## Certificate Validity

Issued by CCS New Orleans Survey Station

**Date** June 10, 2019

证书编号/Certificate No.

NL20PWA00003
批准的图纸/Approved Drawings

图纸批准号/ Drawings Approval No. : NP20PPP00468

产品认可试验报告/ Approval Test Report

试验报告编号/ Test Report No. : NL20PTB00002
试验报告日期/ Test Report Date : 2019-11-26
试验单位/ Laboratory: DURAMAX MARINE LLC
试验单位地址/ Test Address: 17990 Great Lakes Parkway Hiram Ohio 44234

认可后的产品检验方式/Method of Product Inspection after Approval

认可后的产品检验应由本社监理师根据本社规定按批准的产品检验计划进行检验。检验合格后由本社颁发船用产品证书。

After approval, product inspection should be carried out by the Surveyor of the Society in accordance with the approved product inspection scheme, and the Marine Product Certificate will be issued by the Society upon satisfactory inspection.

认可保持条件/Maintenance Requirements of Approval

1. 工厂认可后，如果图纸、技术文件、工艺规程有较大改变，应征得本社同意，若改变涉及或影响到产品的设计、主要制造材料、关键工艺或产品的特性、特征，则与特性有关的图纸和技术文件应经过本社审查，并在检验机构认为必要时，经本社检验人员到厂进行检查和验证有关试验，其结果应能证实仍符合认可条件。

After works approval, if there are any major changes to the drawings, technical documents, specifications, prior consent should be obtained from the survey office of the Society. If the changes involve or affect product design, major construction materials, key workmanship or product characteristics and properties, drawings and technical documents related to properties are to be examined and approved by the Society and, where deemed necessary by the survey office, the surveyor to the Society will go to the manufacturer to inspect or witness relevant tests and the results of the tests should be able to demonstrate compliance with the approval conditions.

2. 工厂的质量管理体系应保持有效运行，并且与认可时一致。如果质量管理体系发生改变，应经原体系认证机构审核并报本社批准。

The quality management system of the factory shall be ensure effective operation, and shall be the same as the situation of approval. If there are any changes to the quality management system, auditing of the original certification organization for quality management system and the society's approval shall be obtained.

3. 工厂认可证书获得者应接受本社每年一次的定期审核，定期审核日为认可证书期满之日对应的每—周年日。检查工作应在定期审核前后的15天进行。Those who have obtained the certificate of works approval shall receive periodical audit done by the Society on an annual basis. The date of periodical audit shall be each anniversary date which corresponds to the date of expiry of the relevant certificate and the periodical audit shall be done within a time span of three months before and after the annual surveillance date.

4. 在认可证书有效期内，本社检验人员可在未经事先通知的情况下对工厂的产品制造过程进行审核，以保证产品的生产是否符合经本社批准的图纸和文件。工厂应予以配合。

Within the validity of the approval certificate, the surveyor to the Society may pay unannounced audit to the manufacturing process of the product in order to confirm whether it is in compliance with the drawings and documents approved by the Society. The factory should provide an active cooperation and necessary for the surveyor.

5. 在认可证书有效期内，如果出现可能导致本社暂停或撤销认可的情况，工厂应及时采取有效的纠正措施。

Within the validity of the approval certificate, if cases occur that may cause the Society to suspend or withdraw the certificate, the manufacturer should take corrective actions in a prompt and effective manner.

备注/Remarks

本社已审核了产品厂无石棉声明，但本社的审核不免除产品厂按产品合同关系向订货方保证产品无石棉的责任。

The declaration of asbestos-free submitted by manufacturer has been reviewed by the Society. However, liability of the manufacturer to guarantee the products are asbestos-free to purchaser under contract will not be exempted.

中国船级社新奥尔良检验站

CCS New Orleans Survey Station