



## Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

<b>Manufacturer</b>	<b>Duramax Marine LLC</b>
<b>Address</b>	17990 Great Lakes Parkway, Hiram, OH, 44234, United States
<b>Place of Production</b>	Duramax Marine LLC 17990 Great Lakes Parkway, Hiram, OH, 44234, United States
<b>Type</b>	Water Lubricated Bearing
<b>Description</b>	Water lubricated bearing for Stern tube, Strut and Rudder Applications
<b>Trade Name</b>	Johnson Cutless®
<b>Application</b>	Marine
<b>Specified Standard</b>	ASTM D624, ISO 37, ISO 48-2, ISO 188, ISO 1817, ISO 2781, ISO 4649, ISO 815-1
<b>Ratings</b>	Details refer to relevant approved drawings
<b>Other Conditions</b>	1. The periodical assessment applied by the Applicant to verify the quality system Production Quality Assurance (PQA) scheme is maintained and applied in accordance with LR Type Approval procedure.



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This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

**Previous Version:** 17/00098

The Design Appraisal Document LR23112841TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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