



Lloyd's  
Register

## Type Approval Certificate Extension

*This is to certify* that Certificate No. 08/00005 for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

<b>PRODUCER</b>	Alfagomma Industrial SpA
<b>PLACE OF PRODUCTION</b>	Nucleo Industriale 64020 S.Atto (TE) Italy
<b>DESCRIPTION</b>	Marine diesel exhaust hose
<b>TYPE</b>	T-621 AA: Hardwall exhaust hose comprising a black synthetic elastomer lining and cover, reinforced with high tensile textile cords, and embedded steel helix wires;  T-653 AA: Softwall exhaust hose comprising a black synthetic elastomer lining and cover, reinforced with high tensile textile cords
<b>APPLICATION</b>	As short joining lengths to accommodate relative movement in water cooled marine diesel exhaust systems in craft up to 24m length;  As short joining lengths to accommodate relative movement in water cooled marine diesel exhaust systems in craft greater than 24m length, subject to compliance with LR Rule requirements.
<b>SPECIFIED STANDARDS</b>	ISO 13363:2004 – Rubber and plastics for marine engine wet exhaust systems; SAE J 2006:2013 – Marine exhaust hose
<b>Certificate No.</b>	08/00005(E1)
<b>Issue Date</b>	2 January 2014
<b>Expiry Date</b>	9 January 2018
<b>Sheet</b>	1 of 2

P. F. Moysey  
Marine Technology & Engineering Services, London  
Lloyd's Register EMEA

Lloyd's Register EMEA  
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA  
Is a subsidiary of Lloyd's Register Group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



Lloyd's  
Register

**RATINGS**

Classification (according to ISO 13363):

Type T-621 AA: Type 2, Class A & B

Type T-653 AA: Type 1, Class A & B

Internal diameter (mm): 25 to 203

Max. working pressure (bar): 3

*"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."*

*The attached Design Appraisal Document No. 08/00005(E1) and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

All other details remain as the previous Certificate No. 08/00005 to which this extension should be attached.

**Certificate No.** 08/00005(E1)  
**Issue Date** 2 January 2014  
**Expiry Date** 9 January 2018  
**Sheet** 2 of 2

*Lloyd's Register EMEA  
71 Fenchurch Street, London EC3M 4BS*

P. F. Moysey  
Marine Technology & Engineering Services, London  
Lloyd's Register EMEA

Lloyd's Register EMEA  
Is a subsidiary of Lloyd's Register Group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.