



Lloyd's  
Register

## Type Approval Certificate Amendment

This is to certify that Certificate No. 08/ 00005(E1) for the undernoted products is amended 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  T-6E1 AA: Hardwall exhaust hose comprising a black synthetic elastomer lining reinforced with high-tensile textile cords with embedded steel helix wires in a corrugated cover.

<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.
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<b>Certificate No.</b>	08/ 00005(E2)
<b>Issue Date</b>	17 November 2016
<b>Expiry Date</b>	9 January 2018
<b>Sheet</b>	1 of 2

J J Baghurst  
Lloyd's Register EMEA



LR427.2013.12

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Marine & Offshore Lloyd's Register

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**SPECIFIED STANDARDS** ISO 13363:2016 – Rubber and plastics for marine engine wet exhaust systems;  
SAE J2006:2013 – Marine exhaust hose

**RATINGS** Classification (according to ISO 13363):  
Type T-621 AA: Type 2, Class A & B  
Type T-653 AA: Type 1, Class A & B  
Type T-6E1 AA: Type 2 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(E2) and its supplementary Type Approval Terms and Conditions form part of this Certificate*

All other details remain as the previous Certificate No. 08/ 00005(E1) to which this amendment should be attached.

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