



Lloyd's  
Register

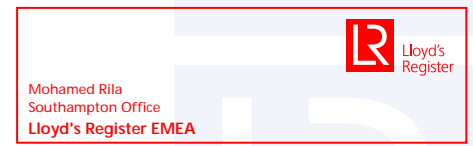
## Type Approval Certificate Extension

This is to certify that Certificate No. 01/ 00160(E4) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	EagleBurgmann Bredan Expansion Joint Solution		
PLACE OF PRODUCTION	Odinsvej 1 6950 Ringkobing Denmark		
DESCRIPTION	Metallic expansion joints		
TYPE	US, UM, UT & UR		
APPLICATION	Metallic expansion joints for marine engine exhaust gas systems		
SPECIFIED STANDARDS	Lloyd's Register's Rules and Regulations for the Classification of Ships. Eagleburgmann Bredan Expansion Joint Solution Construction Rules		
RATINGS	Diameter (DN):	US: UM, UT & UR:	40 to 4000 40 to 1200
	Pressure (bar):	US: UM UT & UR:	2.5 16.0 4.0
	Temperature (°C):	US: UM UT & UR:	-10 to +550 -10 to +710 -10 to +650
OTHER CONDITIONS	Metallic expansion joints are to be selected and installed in accordance with the manufacturer's instructions and recommendations.		

<b>Certificate No.</b>	01/ 00160(E5)
<b>Issue Date</b>	16 November 2016
<b>Expiry Date</b>	28 October 2021
<b>Sheet</b>	1 of 2



M.H.M.Rila  
Southampton Technical Support Office  
Marine & Offshore Lloyd's Register

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

*"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. 01/00160(E5) and its supplementary Type Approval Terms and Conditions form part of this Certificate*

All other details remain as the previous Certificate No. 01/ 00160(E4) to which this extension should be attached.

<b>Certificate No.</b>	01/ 00160(E5)
<b>Issue Date</b>	16 November 2016
<b>Expiry Date</b>	28 October 2021
<b>Sheet</b>	2 of 2

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



M.H.M.Rila  
Southampton Technical Support Office  
Marine & Offshore Lloyd's Register

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.