



Lloyd's
Register

Type Approval Certificate Extension

This is to certify that Certificate No. 01/ 00077(E3) 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 bellows
TYPE	AX, LA, AN, UN, DX
APPLICATION	Metallic expansion joints for the following services in accordance with LR Design Appraisal Document no. PSG I-26883: Diesel engine exhaust Steam and condensate Fresh water cooling Sea water cooling Fuel oil, lubricating oil, cargo oil Thermal oil
SPECIFIED STANDARDS	Lloyd's Register's Rules and Regulations for the Classification of Ships EJMA (Standards of the Expansion Joint Manufacturer's Association Inc.) DS412 Eagleburgmann Bredan Expansion Joint Solution Engineering Standard
RATINGS	Diameter: 40 mm to 600 mm Pressure Rating (max): 25 bar

Certificate No.	01/ 00077(E4)
Issue Date	08 July 2016
Expiry Date	08 May 2021
Sheet	1 of 2



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

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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"

The attached Design Appraisal Document No.01/00077(E4) and its supplementary Type Approval Terms and Conditions form part of this Certificate

All other details remain as the previous Certificate No. 01/ 00077(E3) to which this extension should be attached.

Certificate No.	01/ 00077(E4)
Issue Date	08 July 2016
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Sheet	2 of 2



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