

Type Approval Certificate Extension

This is to certify that Certificate No. 90/00230(E3) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	Waverley Brownall Ltd		
PLACE OF PRODUCTION	46 The Vintners Temple Farm Industrial Estate Southend-on-Sea Essex, SS2 5RZ United Kingdom (UK)		
DESCRIPTION	Twin ring tube compression fittings, bite type, in 316 Stainless steel and Monel alloy 400		
TYPE	Ringlok		
APPLICATION	Marine, offshore and industrial use in piping systems.		
SPECIFIED STANDARDS	Lloyd's Register's Rules and Regulations for the Classification of Ships.		
RATINGS		316 Stainless Steel	Monel alloy 400
	Tube outside diameter (mm):	4 to 26	6 to 12
	(inch):	$\frac{1}{8}$ to 1	$\frac{1}{4}$ to $\frac{1}{2}$
	Temperature range (°C):	-10 to 120	-10 to 60
	Refer to manufacturer's catalogue for maximum working pressure		

Certificate No.	90/00230(E4)
Issue Date	4 January 2011
Expiry Date	25 October 2015
Sheet	1 of 2



P. F. Moysey
London Design Support Office
Lloyd's Register EMEA

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71 Fenchurch Street, London EC3M 4BS

CONDITIONS

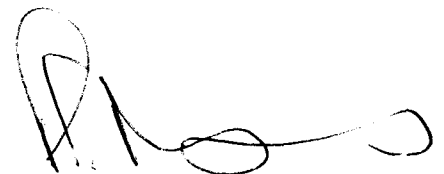
1. The fittings should be installed and tested in accordance with manufacturer's assembly and gauging instructions as detailed in the 'Ringlok' product catalogue.
2. Stainless steel couplings are not to be used in oxygen or oxygen enriched systems.

"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. 90/00230(E4) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 90/00230(E3) to which this extension should be attached.

Certificate No.	90/00230(E4)
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