

## Type Approval Certificate Extension

This is to certify that Certificate No. 94/00013(E3) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

<b>PRODUCER</b>	Parker Hannifin PLC		
<b>PLACE OF PRODUCTION</b>	Riverside Road Pottington Trading Estate Barnstaple DEVON EX31 1NP United Kingdom		
<b>DESCRIPTION</b>	Twin-ferrule compression fittings in 316 and 6Mo stainless steel grades or aluminium-bronze		
<b>TYPES</b>	A-LOK ®		
<b>APPLICATION</b>	Marine, offshore and industrial instrumentation tubing systems for oil, gas, petrochemical, laboratory, emissions control and pollution monitoring applications.		
<b>SPECIFIED STANDARDS</b>	Parker Hannifin specifications and other standards specified in their Catalogue No. 4230/4233 IACS Unified Requirements P2		
<b>RATINGS</b>	Nominal tube diameters	(mm)	20 to 25
		(inch)	1/16 to 1
	Maximum working pressure (bar)	Imperial	85 to 865
		Metric	105 to 725
	Temperature Range (°C)		-20 to 100

<b>Certificate No.</b>	94/00013 (E4)
<b>Issue Date</b>	7 July 2015
<b>Expiry Date</b>	6 July 2020
<b>Sheet</b>	1 of 2



J.J. Baghurst  
Marine Technology & Engineering Services, Southampton  
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**OTHER CONDITIONS**

In all cases the fitting materials are to be suitable for the fluid being conveyed and their use and installation are to be in accordance with Parker Hannifin's instructions for A-LOK ® fittings

*"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 LR of any modification or changes to the equipment in order to obtain a valid certificate."*

*The Design Appraisal Document No. 94/00013(E4) and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

All other details remain as the previous Certificate No. 94/00013(E3) to which this extension should be attached.

Certificate No.	94/00013 (E4)
Issue Date	7 July 2015
Expiry Date	6 July 2020
Sheet	2 of 2



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Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 7 July 2015	Quote this reference on all future communications MTES/ENG/JJB/WP21574502/W04067347
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LLOYD'S REGISTER TYPE APPROVAL SYSTEM, 2002.

Issued to: PARKER HANNIFIN PLC

for: A-Lok® Twin-Ferrule Compression Fittings  
TYPE APPROVAL CERTIFICATE No. 94/00013(E4)

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System, 2002 and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Request Form  
Parker Hannifin Catalogue 4230/4233

9 April 2015  
April 2005

TEST REPORTS

Sira Test Report No. G342/85  
Production Quality Assessment Form SOU1500386

July 1985  
21 April 2015

Supplementary Type Approval Terms and Conditions

Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.

Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.

Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.



JJB Baghurst  
Machinery Specialist  
Global Technology Centre  
Southampton  
Lloyd's Register EMEA

Part 1A  
 Subject: Materials  
 Product: Building Construction Elements (Part 1A)

Producer/Licence No.	Description of Product				Cert. No.
	Type	Details of Approval	Application	Remarks	
Parker Hannifin PLC Riverside Road Pottington Trading Estate Barnstaple DEVON EX31 1NP United Kingdom	A-LOK®	Twin-ferrule compression fittings in 316 and 6Mo stainless steel grades or aluminium-bronze	Marine, offshore and industrial instrumentation tubing systems for oil, gas, petrochemical, laboratory, emissions control and pollution monitoring applications.	Expires: 6 July 2020  Nominal tube diameters (mm) 20 to 25 (inch) 1/16 to 1 Maximum working pressure (bar) Imperial 85 to 865 Metric 105 to 725 Temperature Range (°C) -20 to 100	94/00013(E4)

