



## Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

<b>Manufacturer</b>	<b>Parker Hannifin Manufacturing Germany GmbH &amp; Co. KG</b>
<b>Address</b>	Am Metallwerk 9, Bielefeld, 33659, Germany
<b>Type</b>	Compression Fittings
<b>Description</b>	Steel, stainless steel and brass 37° flared fittings according to Catalogue 4100-Online/UK, Chapter K
<b>Trade Name</b>	Triple-Lok
<b>Application</b>	General use in marine, offshore and industrial piping systems classed or intended for Classification with Lloyd's Register. Restriction: Separable joints of ND 25 mm or less are not to be used for applications with rotary flexure loads.
<b>Specified Standard</b>	Lloyd's Register Rules and Regulations for the Classification of Ships, 2022; ISO 8434-1; IACS P2.11

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A member of the Lloyd's Register group

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### Ratings

Tube O.D. (mm)	(inch)	PN (bar)	Material	Temperature (°C)
6-42	¼ to 1 ½	500 – 140	Steel	-40 to + 250
			Stainl. Steel.	-60 to + 400
			Brass	-60 to + 175
			NBR	-35 to + 100
			FKM	-25 to + 200

Maximum working pressures depend on tube material and thickness.  
 Pressure reductions depending on design temperature are to be observed  
 according performance data of catalogue 4100-Online/UK, C2.

### Other Conditions

Selection and installation to be in accordance with the producer's instructions  
 and recommendations

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.

**Previous Version:** 00/20016(E4)

The Design Appraisal Document HMD 3089-00, Issue No. 6 and its supplementary Type Approval Terms and Conditions form part of this Certificate.



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## **Appendix**

<b>PLACE OF PRODUCTION</b>	Parker Hannifin Manufacturing Germany GmbH & Co.KG Am Metallwerk 9 33659 Bielefeld Germany	Parker Hannifin Manufacturing Poland Sp.z.o.o. UL.E. Kwiatkowskiego 16 50-011 Siechnice Poland
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