



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.

Manufacturer	Parker Hannifin Manufacturing Germany GmbH & Co. KG
Address	Am Metallwerk 9, Bielefeld, 33659, Germany
Type	Compression Fittings
Description	Steel, stainless steel and brass Parker O-Lok, O-ring face seal tube fitting according to Catalogue 4100-Online/UK, Chapter J
Trade Name	Parker O-Lok, ORFS Tube Fittings
Application	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.
Specified Standard	Lloyd's Register Rules and Regulations for the Classification of Ships, 2022; ISO 8434-1, Part 3; IACS P2.11

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Ratings	Tube O.D.		PN (bar)	Material	Temperature (°C)
	(mm)	(inch)			
	6-42	¼ to 1 ½	630 – 280	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: 00/20015(E4)

The Design Appraisal Document HMD 3088-00, Issue No. 6 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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Appendix

PLACE OF PRODUCTION	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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