

## 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 SRL</b>
<b>Address</b>	Via G.B. Pirelli 6, Veniano Como, 22070, Italy
<b>Type</b>	Flexible Hoses
<b>Description</b>	462 - 462TC - 462ST - Parker fittings 46 series 492 - 492TC - 492ST - Parker fittings 46 series 372 - 372TC - 372ST - Parker fittings 70 series
<b>Trade Name</b>	FLEXIBLE HYDRAULIC HOSES
<b>Application</b>	Marine piping systems
<b>Specified Standard</b>	LR's Rules and Regulations for the Classification of Ships EN 856 EN 857
<b>Ratings</b>	As per Appendix
<b>Other Conditions</b>	Hoses are to be selected and installed in accordance with the manufacturer's recommendations, and LR's Rules and Regulations.

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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.

**Previous Version:** 06/00097(E2)

The Design Appraisal Document LR2241727DA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

## Appendix

**Ratings:**

Type*	Diameter (DN)	Max. Working pressure (MPa)	Temperature range (°C)
462	6	42.5	-40 to +100
462	8	40.0	-40 to +100
462	10	35.0	-40 to +100
462	12	31.0	-40 to +100
462	16	28.0	-40 to +100
462	20	28.0	-40 to +100
462	25	21.0	-40 to +100
462	32	17.2	-40 to +100
492	6	28.0	-40 to +100
492	8	25.0	-40 to +100
492	10	22.5	-40 to +100
492	12	19.0	-40 to +100
492	16	15.0	-40 to +100
492	20	15.0	-40 to +100
492	25	11.0	-40 to +100
492	32	7.5	-40 to +100
372	10	44.5	-40 to +100
372	12	41.5	-40 to +100
372	16	35.0	-40 to +100
372	20	28.0	-40 to +100
372	25	21.0	-40 to +100

**\*Approved also in version TC and ST**