Certificate No: LR22482607TA
Issue Date: 23/11/2022
Expiry Date: 22/11/2027

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	**MATEC GROUP S.R.L.**
Address	VIA 1° MAGGIO 7, Peschiera Borromeo MI, 20068, Italy
Type	Flexible Hoses
Description	PARRAP Type 1-50
Trade Name	Flexible metal hose type PARRAP
Application	Marine / Offshore
Specified Standard	LR Rules and Regulations for the Classification of Ships UNI EN ISO 10380

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Fabrizio Cadenaro

Lead Technical Specialist - Alternative Fuels to Lloyd's Register EMEA
A member of the Lloyd's Register group

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Ratings

Nominal diameter (mm)	Nr. of Braids (/)	Design Pressure* (bar)
12	1	80
	2	125
15	1	63
	2	97
20	1	55
	2	77
25	1	40
	2	62
32	1	40
	2	58
40	1	32
	2	44
50	1	32
	2	47
65	1	25
	2	41
80	1	23
	2	40
100	1	15
	2	27
125	1	13
150	1	11

*Design pressure as define in LR Rules and Regulations for the Classification of Ships Part 5 Ch 12 Sec 1.4

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 Design Appraisal Document LR22482607DA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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