



Lloyd's
Register

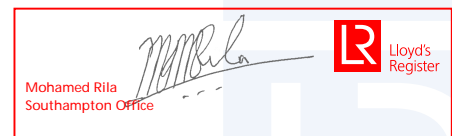
Type Approval Certificate Extension

This is to certify that Certificate No. 18/00004 for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	Ham-Let (Israel-Canada) Ltd.
PLACE OF PRODUCTION	P.O. Box 824 17105 Nazareth Illit Israel
DESCRIPTION	316 stainless steel double ferrule compression pipe and tube fittings.
TYPE	LET-LOK Twin ferrule compression fittings: 760L series; 762L series; 765L series; 767LM series; 767LP series; 770L series; 7102L; 7108L; 7121L; See catalogue for further details.
SPECIFIED STANDARDS	Lloyd's Register's Rules and Regulations for the Classification of Ships. BS 4368: 1984 –Compression Couplings for Tubes, Part 4; Specification for type test requirements.
Certificate No.	18/00004(E1)
Issue Date	06 June 2019
Expiry Date	10 January 2023
Sheet	1 of 3

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS



M.H.M.Rila
Southampton Technical Support Office
Marine & Offshore Lloyd's Register

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APPLICATION

Marine, offshore and industrial uses for piping systems applications.

RATINGS

Temperature Rating (° C): -29 to 37

Pressure:

TUBING O.D.	M.A.W.P	TUBING O.D.	M.A.W.P
1/16 inch	11890 psi	3mm	670 bar
1/8 inch	10730 psi	6mm	710 bar
3/16 inch	10150 psi	8mm	520 bar
1/4 inch	10150 psi	10mm	510 bar
5/16 inch	7975 psi	12mm	470 bar
3/8 inch	6525 psi	14mm	430 bar
1/2 inch	6525 psi	15mm	400 bar
5/8 inch	5945 psi	16mm	400 bar
3/4 inch	5655 psi	18mm	370 bar
7/8 inch	4843 psi	20mm	380 bar
1 inch	3987 psi	22mm	340 bar
1 1/4 inch	4785 psi	25mm	320 bar
1 1/2 inch	4785 psi	38mm	310 bar
2 inch	3600 psi	50mm	270 bar

Refer to Ham Let catalogue for minimum wall thickness against maximum allowable working pressure for each individual coupling.

Certificate No. 18/00004(E1)

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Sheet 2 of 3



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OTHER CONDITIONS

1. Pipes and fittings are to be selected and installed in accordance with the manufacturer's instructions and Lloyd's Register's Rules and Regulations for the Classification of Ships, Part 5, Chapter 12. Sections 2.12 and Table 12.2.7 as applicable.
2. Stainless steel couplings are not to be used in oxygen or oxygen enriched systems.
3. Nuclear installation applications are not covered by this approval.
4. The couplings shall not be used where fire endurance test is required.
5. The manufacturer's recommendations with respect to rated temperature, pressure and fluid compatibility are to be strictly observed.

"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 attached Design Appraisal Document No. 18/00004(E1) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No. 18/00004(E1)
Issue Date 06 June 2019
Expiry Date 10 January 2023
Sheet 3 of 3

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Mohamed Rila
Southampton Office



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