

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	Gates (U.K.) Limited
Address	5 Alpha Drive, Eaton Socon, Cambridgeshire, St Neots, PE19 8JJ, United Kingdom
Type	Flexible Hoses
Description	Flame resistant hydraulic hose assemblies. TYPE: EFG3K/EFG4K/EFG5K/EFG6K/G1/G2/M3K/M4K/M5K/M6K/M3K-MTF/MegaFlex CM2T/MegaFlex M2T/MXT/MXG4K-XTP/MXT-XTP
Trade Name	EFG3K/EFG4K/EFG5K/EFG6K/G1/G2/M3K/M4K/M5K/M6K/M3K-MTF/MegaFlex CM2T/MegaFlex M2T/MXT/MXG4K-XTP/ MXT-XTP
Application	Marine/Offshore/Industrial use as short joining lengths of flexible hose
Specified Standard	LR Rules and Regulations for the Classification of Ships Jul 2019 SAE J517/BS EN 856/BS EN 857/ISO 18752/ISO 3862/ISO 11237/ISO 15540/15541.
Ratings	Please see Appendix
Additional Tests	ISO 1402 – Burst, Length Change , Proof, Leakage

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Other Conditions

- ISO 6803 – Impulse test
 - ISO 7326 – Ozone resistance
 - ISO 4672 – Cold flex/ ASTM D380 Cold flexure
 - ISO 1817 – Oil resistance
 - ISO 8033 – Cover adhesion
 - ISO 15540/15541 – Fire resistance.
1. The hoses are to be installed as units in accordance with manufacturer's instructions.
 2. The manufacturer's recommendations on replacement of the hoses after a specified period in service is to be 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.

Previous Version: LR21149534TA

The Design Appraisal Document LR21149534TA-02 and its supplementary Type Approval Terms and Conditions form part of this Certificate.