Certificate No: LR21347106TA
Issue Date: 08/09/2021
Expiry Date: 07/09/2026

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	**LTI Steel Wire Rope (Shanghai) Co., Ltd.**
Address	No. 233, Taigu Road, China (Shanghai) Pilot Free Trade Zone, Shanghai City, 200131, China
Place of Production	LTI Steel Wire Rope (Shanghai) Co., Ltd. No. 233, Taigu Road, China (Shanghai) Pilot Free Trade Zone, Shanghai City, 200131, China
Type	Slings And Accessories
Description	Steel wire rope slings with either swaged ends, or resin cast open or closed socket end terminations Class 35(W) x 7 with swaged ferrule termination; Class 8 x 19 with swaged ferrule termination; Class 35(W) x 7 with s resin cast termination; Class 8 x 19 with resin cast open or closed socket termination;
Trade Name	None
Application	Lifting operations in marine, offshore and industrial applications
Specified Standard	EN13411-3:2008– Terminations for steel wire ropes – safety: ferrules and ferrule securing EN13411-4:2011- Terminations for steel wire ropes – safety: metal and resin socketing EN13411-6:2008- Terminations for steel wire ropes – safety: asymmetric wedge

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Min Yao

Senior Specialist &Lifting Appliance Team Leader to Lloyd's Register Classification Society (China) Co Ltd

19th Floor, 550 Yan An dong Road, Shanghai, Huangpu District, China

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sockets
EN12385-1:2008- steel wire ropes – safety: general requirements
EN12385-4:2008- steel wire ropes – safety: standard ropes for general lifting applications

Ratings

Steel wire ropes with swaged ferrule termination:
Class 35(W) x 7:

Rope diameter (mm)	Safe Working Load (kN)
28	128.49
29	137.83
30	147.50
31	157.50
32	167.81
36	212.40
37	224.55
38	236.70
39	249.48
40	262.26

Class 8 x 19:

Rope diameter (mm)	Safe Working Load (kN)
24	90.83
25	98.57
26	106.61
32	161.48
33	171.74
34	182.34
35	193.14
36	204.30

Steel wire ropes with resin cast open or closed socket terminations:
Class 35(W) x 7:

Rope diameter (mm)	Safe Working Load (kN)
27	132.74

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28	142.76
29	153.14
30	163.88
37	249.59
38	263.00
39	277.20

Class 8 x 19:

Rope diameter (mm)	Safe Working Load (kN)
23	92.70
24	100.92
25	109.52
26	118.46
31	168.38
32	179.42
33	190.82
34	202.60
35	214.60
36	227.00

Other Conditions

LR Type Approval does not eliminate any requirement for routine inspection, load testing or certification where required for contractual or statutory requirements.

Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

The application of this Type Approval Certificate will be limited to the relevant scope of the Specified Standards and acceptance thereof by the local authorities.

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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 Classification Society (China) Co Ltd of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document LR21347106TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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