中国船级社
CHINA CLASSIFICATION SOCIETY
工厂认可证书
CERTIFICATE OF WORKS APPROVAL

证书编号/Certificate No.
WH25PWA00113

兹证明本证书所述制造厂具备按照下列标准的要求生产本证书所列产品的能力和条件。
This is to certify that the manufacturer stated in the certificate meets the requirements of the standards listed below and is available with the ability and conditions to produce the products described in the certificate.

制造厂/Manufacturer

湖南湘钢金属材料科技有限公司

Hunan Xianggang Metal Products Technology Co.,Ltd.

地址/Address

湖南省湘潭市高新区建设南路1号
No.1 South Jianshe road, High-tech District, Xiangtan, Hunan.

产品名称/Product

金属制品

Metal Products

附加标志/Notations

无/Nil.

认可标准/Approval Standard

1. 中国船级社《材料与焊接规范》第1篇第10章
Chapter 10, Part One of China Classification Society Rules for Materials and Welding

用于/Intended for

船舶与海上设施/Ships and Offshore Installations

产品明细/Product Description

钢丝绳/Steel Wire Ropes(M0001)

名称/Name	属性（值）/Value	单位/Unit
钢丝绳类别/Type of Steel Wire Ropes	镀锌钢丝绳/光面钢丝绳|galvanized steelwire ropes/bright steelwire ropes	
绳径/Dia. of Wire Rope	12-120	mm
钢丝等级/Grades of Steel Wires	1570-1960	MPa
锌层/Zinc Coating	1,2,3级/光面|Grade1,2,3/Bright	

批准的图纸/Approved Drawings

图纸批准号/Drawings Approval No.: WH25PWA00113

证书有效期至/This Certificate is valid until **2030年12月23日/ Dec. 23,2030**

发证机构 中国船级社武汉分社
Issued by CCS Wuhan Branch

签发日期 2026年02月09日
Date Feb. 09,2026

本证书根据中国船级社规范和相关规定签发。所有证书页为一个整体，必须同时使用。纸质证书每页均须由本社盖章方为有效，电子证书含数字签名方为有效，本证书复印件无效。任何单位和个人均不应摘录或节选本证书的部分内容。有关方对所持证书的真实性有疑问时，可以向我社检验机构咨询。**本证书凡是未注明版本的规范，其（发证时）最新版本适用于本证书。**
This Certificate is issued pursuant to the Rules of the Society and related regulation. All pages of the certificate are taken as a whole and are used simultaneously. No paper certificate page is valid without bearing the stamp of the Society, no electronic certificates is valid without the digital signature, and no copied form of the certificate is regarded as valid. Any part of the certificate is not to be extracted or abridged by any unit or individual in any form. Related parties who are doubted about the authenticity of the certificate may inquire of the Society or its offices. **For Rules with no version indication, their latest version (at the time of issuance of the certificate) applies to the certificate.**

产品认可试验报告/ Approval Test Report

试验报告编号/ Test Report No. ： 20251220
试验报告日期/ Test Report Date ： 2025-12-20
试验单位/ Laboratory: 湖南湘钢金属材料科技有限公司 Hunan Xianggang Metal Products Technology Co.,Ltd.
试验单位地址/ Test Address: 湖南省湘潭市高新区建设南路1号 No.1 South Jianshe road, High-tech District, Xiangtan, Hunan,China

试验报告编号/ Test Report No. ： RP202512007
试验报告日期/ Test Report Date ： 2025-12-11
试验单位/ Laboratory: 广州锐谱检测有限公司 Guangzhou Raipen Testing Service Co.,Ltd
试验单位地址/ Test Address: 广州市永和区永顺大道贤堂路18号 No.18 Xiantang Road,Yongshun Dadao,Yonghe District,Guangzhou City

试验报告编号/ Test Report No. ： JCBG(01)240803095
试验报告日期/ Test Report Date ： 2024-08-05
试验单位/ Laboratory: 中钢集团郑州金属制品研究院股份有限公司 Sinosteel Zhengzhou Steel Wire Products Research Institute Co.,Ltd
试验单位地址/ Test Address: 郑州市高新经济开发区化工路172号 No.172 Huagong Road,Zhengzhou High-tech Industrial Develoment Zone

认可后的产品检验方式/Method of Product Inspection after Approval

按规范认可后应进行产品检验的产品/The product should be inspected in term of the rules:
认可后的产品检验应由本社验船师根据本社规范规定按批准的产品检验计划进行检验，经检验合格后由本社颁发船用产品证书。
After approval, product inspection should be carried out by the Surveyor of the Society in accordance with the approved product inspection scheme, and the Marine Product Certificate will be issued by the Society upon satisfactory inspection.

认可保持条件/Maintenance Requirements of Approval

1.工厂认可后，如果图纸、技术文件、工艺规程有较大改变，应征得本社同意。若改变涉及或影响到产品的设计、主要制造材料、关键工艺或产品的特性、特征，则与特性有关的图纸和技术文件应经过本社审批，并在检验机构认为必要时，经本社检验人员到厂进行检查和见证有关试验，其结果应能证实仍符合认可条件。
After works approval, if there are any major changes to the drawings, technical documents, specifications, prior consent should be obtained from the survey office of the Society. If the changes involve or affect product design, major construction materials, key workmanship or product characteristics and properties, drawings and technical documents related to properties are to be examined and approved by the Society and, where deemed necessary by the survey office, the surveyor to the Society will go to the manufacturer to inspect or witness relevant tests and the results of the tests should be able to demonstrate compliance with the approval conditions
2.工厂的质量管理体系应保持有效运行，并且与认可时一致。如果质量管理体系发生改变，应经原体系认证机构审核并报本社批准。
The quality management system of the factory shall be ensure effective operation, and shall be the same as the situation of approval. If there are any changes to the quality management system, auditing of the original certification organization for quality management system and the society's approval shall be obtained.
3.工厂认可证书获得者应接受本社每年一次的定期审核，定期审核日为认可证书期满之日对应的每一周年日，检查工作应在定期审核日的前后三个月内进行。
Those who have obtained the certificate of works approval shall receive periodical audit done by the Society on an annual basis. The date of periodical audit shall be each anniversary date which corresponds to the date of expiry of the relevant certificate and the periodical audit shall be done within a time span of three months before and after the annual surveillance date.
4.在认可证书有效期内，本社检验人员可在未经事先通知的情况下对工厂的产品制造过程进行审核，以验证产品的生产是否符合业经本社批准的图纸和文件。工厂应予以配合。
Within the validity of the approval certificate, the surveyor to the Society may pay unannounced audit to the manufacturing process of the product in order to confirm whether it is in compliance with the drawings and documents approved by the Society. The factory should provide an active cooperation and necessary for the surveyor.
5.认可证书有效期内，如果出现可能导致本社暂停或撤消认可的情况，工厂应及时采取有效的纠正措施。
Within the validity of the approval certificate, if cases occur that may cause the Society to suspend or withdraw the certificate, the manufacturer should take corrective actions in a prompt and effective manner.

备注/Remarks

本社已审核了产品厂无石棉声明，但本社的审核不免除产品厂按照合同关系向订货方保证产品无石棉的责任。
The declaration of asbestos-free submitted by manufacturer has been reviewed by the Society. However, liability of the manufacturer to guarantee the products are asbestos-free to purchaser under contract will not be exempted.
本证书由原工厂认可证书（No. WH22PWA00009）变更并换新。
This certificate is modified and renewed from the previous Works Approval Certificate No. WH22PWA00009.

中国船级社武汉分社
CCS Wuhan Branch

注：本证书含有附页，共3页
Note: The certificate is attached with additional 3 page(s)

钢丝绳认可明细

类别 Type	结构 Construction	绳径(mm) Dia.of rope	丝径(mm) Dia.of wire	钢丝等级(MPa) Grade of wire	锌层 Galvanized	阻旋转 Rotation-resist
6×19(a)	6×19S	14～50	0.6～4.0	1570～1960	光面/镀锌1、2、3级 Bright/Galvanized grade 1、2、3	---
	6×19W	14～50	0.6～4.0			
	6×25Fi	14～50	0.6～3.8			
	6×26WS	14～50	0.6～3.0			
	6×31WS	14～50	0.6～4.0			
6×19(b)	6×19	14～50	0.6～4.0			
6×37(a)	6×29Fi	14～70	0.6～3.6			
	6×37S	14～70	0.6～3.5			
	6×36WS	16～70	0.6～4.8			
	6×41WS	16～70	0.6～4.8			
	6×49SWS	16～70	0.6～4.8			
	6×55SWS	16～70	0.6～3.0			
6×37(b)	6×37	14～70	0.6～3.5			
8×19	8×19S	14～70	0.6～4.0			
	8×19W	14～70	0.6～4.0			
	8×25Fi	14～70	0.6～3.8			
	8×26WS	14～70	0.6～3.0			
	8×31WS	16～70	0.6～4.0			
8×37	8×36WS	16～70	0.6～3.4			
	8×41WS	16～70	0.6～3.2			
	8×49SWS	16～70	0.6～3.0			
	8×55SWS	16～70	0.6～2.8			
18×7	17×7	14～70	0.6～3.4			
	18×7	14～70	0.6～3.2			
18×19	18×19W	14～70	0.6～3.0			
	18×19S	14～70	0.6～3.2			
	18×19	14～70	0.6～3.0			
34×7	34×7	14～70	0.6～2.8			
	36×7	14～70	0.6～2.6			
35W×7	35W×7	14～70	0.6～3.0			
	24W×7	14～70	0.6～2.8			
6×12	6×12	14～50	0.8～3.5			
6×24	6×24	14～50	0.6～3.0			
	6×24S	14～50	0.6～3.2			
	6×24W	14～50	0.6～3.0			
4V×39	4V×39S	14～70	0.6～3.8			
	4V×48S	14～70	0.6～3.6			
6×61(a)	6×55SWS	40～90	1.8～3.2			
	6×61FWS	40～90	1.8～3.2			

	6×64SFS	40～90	1.0～2.6			
6×61(b)	6×61	40～70	1.4～2.4			
6×61(ab)	6×65FNS	40～120	1.8～5.0			
	6×80WSNS	40～120	1.6～5.0			
	6×84WSNS	40～120	1.6～5.0			
6×91(ab)	6×111SWSNS	40～120	1.2～4.8			
	6×103FSNS	40～120	1.4～5.0			
	6×109SWSNS	40～120	1.3～4.9			
8×37(a)	8×36WS	30～120	1.2～5.0			
	8×41WS	30～120	1.2～5.0			
	8×49WS	30～120	1.0～5.0			
8×61(a)	8×55SWS	40～120	1.0～5.0			
	8×61FWS	40～120	0.8～4.9			
	8×64SFS	40～120	0.8～4.8			
8×61(b)	8×61	40～120	1.2～5.0			
8×61(ab)	8×65FNS	40～120	1.6～4.9			
	8×80WSNS	40～120	1.4～4.6			
	8×84WSNS	40～120	1.4～4.5			
8×91(ab)	8×111SWSNS	40～120	1.2～4.3			
	8×103FSNS	40～120	1.2～4.2			
	8×109SWSNS	40～120	1.2～4.2			

压实股钢丝绳

类别 Type	结构 Construction	绳径(mm) Dia. of rope	丝径(mm) Dia. of wire	钢丝等级(MPa) Grade of wire	锌层 Galvanized	阻旋转 Rotation-resist
6×K19	6×K19S	14～70	0.6～4.8	1570～1960	光面/镀锌 1、2、3 级 Bright/ Galvanized grade 1、2、3	--
	6×K26WS	14～70	0.6～4.8			
	6×K31WS	14～70	0.6～4.8			
	6×K25F	14～70	0.6～4.8			
	6×K29F	14～70	0.6～4.8			
6×K36	6×K36WS	14～70	0.6～4.8			
	6×K41WS	16～80	0.6～4.8			
	6×K46WS	16～120	0.6～4.8			
	6×K49SWS	16～120	0.6～4.8			
	6×K55SWS	16～120	0.6～4.8			
8×K19	8×K19S	14～70	0.6～4.8			
	8×K26WS	14～70	0.6～4.8			
	8×K31WS	14～70	0.6～4.8			
	8×K25F	14～70	0.6～4.8			
	8×K29F	14～70	0.6～4.8			
8×K36	8×K36WS	14～80	0.6～4.8			
	8×K41WS	16～108	0.6～4.8			

	8×K46WS	16～120	0.6～4.8			
	8×K49SWS	16～120	0.6～4.8			
	8×K55SWS	16～120	0.6～4.8			
阻旋转钢丝绳						
类别 Type	结构 Construction	绳径(mm) Dia. of rope	丝径(mm) Dia. of wire	钢丝等级(MPa) Grade of wire	锌层 Galvanized	阻旋转 Rotation-resist
23×K7	15×K7	12～70	0.6～4.8	1570～1960	光面/镀锌1、2、3级 Bright/ Galvanized grade 1、2、3	阻旋转 Rotation-resist
	16×K7	12～70	0.6～4.8			
18×K7	18×K7	12～70	0.6～4.8			
18×K19	18×K19	12～70	0.6～4.8			
35(W)×K7	35(W)×K7	12～70	0.6～4.8			
	40(W)×K7	12～70	0.6～4.8			