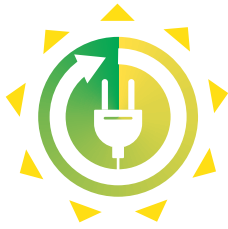




## Declaration on material standards, sustainability and social responsibility

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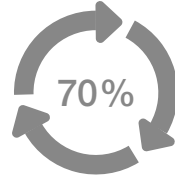
90–100 %

With photovoltaics, our company site in Vietnam covers 100–90 percent of its energy needs with solar power. Here we produce around 1 million kWh of solar electricity per year.



75 %

In Trubschachen we achieve a total solar power output of up to 350,000 kWh per year (75 percent of our electricity needs).



Our stainless-steel products contain about an average of 70 percent of pre- or post-consumer recycled material.



**ISO 9001 | ISO 14001**  
**JAKOB SAIGON LTD.**

Jakob Saigon Ltd. has a certified quality management according to the ISO 9001:2015 standard.

Our production facilities have also implemented an Environmental Management System according to the ISO 14001 standard.



Schweizerische Vereinigung für Qualitäts- und Management-Systeme (SQS)

**ISO 9001**  
**JAKOB AG TRUBSCHACHEN**

Jakob AG Trubschachen has a certified quality management according to the ISO 9001:2015 standard.



Modulus H Certificate according to European Ropeway Directive for production an mounting of:

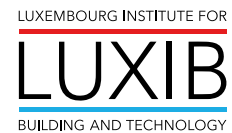
Fiber Ski Lift Rope Hybrid 5  
Hauling Rope with End Fixing  
Spliced Cable Loop  
Tension Ropes with End Fixing



DIBt national approval Webnet Z-14.7-557 by the German institute for structural engineering (DIBt) for the use as a horizontal and vertical fall prevention).



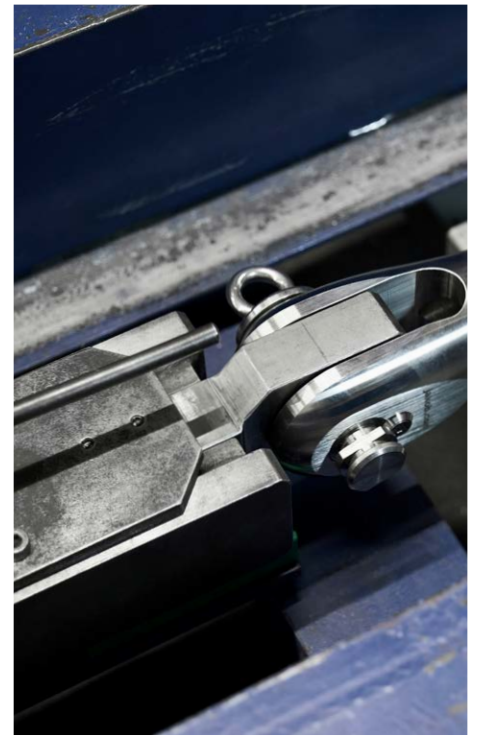
DIBt national approval Hitch Box for Load / Hitch Box for Safety Z-21.8-1998 by the German institute for structural engineering (DIBt) for the use as mounting equipment for elevators and attachment point for PSE.



Prefabricated Stainless Steel wire ropes with end connectors: ETA 21-0536

European Approval for tension components by Jakob Rope Systems in compliance with EAD 200001-00-0602





## Materials declaration for stainless steel products

### Applicable standards for stainless steel wire ropes of types 1x19, 6x7+WC (7x7) and 6x19+WC (7x19)

- EN 10264-4: Steel wire and wire products – Steel wire for ropes – Part 4: Stainless steel wire
- EN 12385: Steel wire ropes – Safety

### Applicable standards for stainless steel terminations for ropes and mounting accessories

- EN 10088-3: Stainless steels – Part 3: Technical delivery conditions for semi-finished products, bars, rods, wire, sections and bright products of corrosion resisting steels for general purposes.
- ASTM 276-13a: Standard specification for stainless steel Bars and shapes; Note: Material specifications of EN 10088-3 for 1.4401 and 1.4404 and ASTM 276 / AISI 316 L are basically equivalent.
- EN 10264-4: Hot finished structural steel hollow sections
- EN 10219: Cold formed welded structural steel hollow sections
- EN 13411: Terminations for steel wire ropes – Safety
- EN 1993-1-11: Design of steel structures – Part 1-11: Design of structures with tension components

### Quality control

An in-house production control is established and implemented in every manufacturing plant of Jakob Rope Systems. The in-house production control ensures that the products are manufactured in compliance with the provisions of the company's standards and specifications, international standards, and the requirements of the German Institute for Building Technology in Berlin (DIBt). For example, the following quality characteristics are monitored within quality control:

**Ropes:** The dimensions are verified for every delivery. The material characteristics are verified by a test certificate 3.1 according to EN 10204. The in-house production control stipulates random tests of chemical composition of the delivered raw materials. Technical delivery conditions of wires for ropes must comply and be tested according to EN 10264-4 and the standards of the EN 12385.

**Terminations and accessories:** The dimensions and characteristics for materials are verified by a test certificate 3.1 according to EN 10204. The in-house production control stipulates random tests of the delivered raw materials. The type, scope and frequency of these tests are agreed with the notified body engaged to perform external monitoring on behalf of the German Institute for Building Technology in Berlin (DIBt). The results are recorded and analyzed. The records contain at least the following information, which are stored for at least 5 years:

- Name of the product, the raw materials, and the components
- Type of inspection or test
- Date of manufacturing and testing of the products
- Result of inspections and tests in comparison with specifications
- Signature of the responsible person for production control

The production control is regularly reviewed by the Karlsruhe Institute for Technology (KIT) as an external monitoring body in every manufacturing plant of Jakob Rope Systems.

For ropes, the specifications in the standards EN 10264-4 and EN 12385 series are applicable. Terminations for ropes and accessories consist of stainless steel of material class 1.4401 according to EN 10088-3 with a minimum tensile strength of 500 N/mm<sup>2</sup>. Threads, forks and turnbuckles use metric ISO-threads according to the DIN 13 standards.

### Resistance against corrosion and fire

The ropes are classified into corrosion-resistance class (CRC) II in accordance with EN 1993-1-4 in conjunction with DIN EN 1993-1-4 / NA: 2017-01. The stainless-steel products of Jakob Rope Systems fulfill the requirements about non-combustible and "hardly-inflammable" construction materials of DIN 4102-4, respectively EN 13501-1.

External monitoring includes random testing of the characteristics of the products. Additional supplier audits at any of Jakob's manufacturing plants are possible upon request.



## Sustainability

### Environmental management and renewable energies

- In order to reduce energy consumption and emissions, our company location in Vietnam relies on a building principle of naturally ventilated rooms and green facades. Ropes and stainless-steel nets from our own production are used.
- Our production in Vietnam has a certified environmental management according to the ISO 14001 standard (TÜV Rheinland).
- We distribute the products supplied by our company site in Vietnam worldwide and do not carry out any further changes to the material of the products. Our stainless-steel products contain about an average of 70 percent of pre- or post-consumer recycled material. The quantity may vary with the batch and availability of recyclable material.
- In addition, stainless steel ropes and components can be fully recycled by specialized companies e.g. authorized metal reclamation sites.
- With photovoltaics, our company site in Vietnam covers 100 – 90 percent of its energy needs with solar power.

### Regulation (EC) 1907/2006 (REACH)

The Jakob AG (Trubschachen, CH) produces and deals with wire and fiber ropes, rope fittings and accessories for cable cars and lifting technology. Within the meaning of the Regulation (EC) 1907/2006 (REACH), standing for “Registration, Evaluation, Authorization and Restriction of Chemicals”, we are therefore considered a downstream user respectively a manufacturer of products exempted from registration. Either the chemical composition of our articles is only, if at all, marginally changed so that the shaping and mechanical assembly of our products dominates or we only deal with ready-made products.

To ensure the traceability of information about the substances used by us, our suppliers are pre-registered, if required, and can give information about the substances used by them. Our products contain no substances listed on the SVHC (Substances of Very High Concern) list (Annex XVII REAC) in a concentration higher than 0.1 percent.

### Directives (EU) 2011/65, (EU) 2015/863 (RoHS)

The Jakob AG (Trubschachen, CH) is an environmentally friendly company. We certify that our articles comply with the directive on the Restriction on the use of certain Hazardous Substances in electrical and electronic equipment (RoHS) (EU) 2011/65 and the delegated directive (EU) 2015/863.

The following substances:

- |                           |                                       |
|---------------------------|---------------------------------------|
| – Cadmium                 | – PBDE (polybrom diphenylether)       |
| – Lead                    | – Bis (2-ethylhexyl) phthalate (DEHP) |
| – Mercury                 | – Butyl benzyl phthalate (BBP)        |
| – Chromium VI             | – Dibutyl benzyl phthalate (DBP)      |
| – PBB (polybrom biphenyl) | – Diisobutyl phthalate (DIBP)         |

have not been intentionally added for the production and are not known to be present in the products. We want to stress the fact that we do not perform tests to check the presence of mentioned substances. Therefore, we cannot guarantee the absence of traces of such substance in the final manufactured article.

The countries of origin of our products are predominantly Switzerland, Germany, South Korea and Vietnam.





## Social responsibility and working conditions

We hereby confirm for our company site in Vietnam (JAKOB SAIGON LTD., No. 26, Street 26, VSIP II-A, Vinh Tan Ward, Tan Uyen Town, Binh Duong Province, Vietnam) at least the following terms and conditions of employment for our employees:

### International guiding principles

- United Nations Universal Declaration of Human Rights (UN UDHR)
- United Nations Guiding Principles on Business and Human Rights (UNGP)
- United Nations Convention on the Rights of the Child (UN CRC)
- United Nations Convention on the Elimination of All Forms of Discrimination against Women (UN-CEDAW)

### Fair terms of employment

- Our company site in Vietnam including its production is certified according to ISO 9001 and ISO 14001.
- All employees are employed with a valid employment contract and with a valid health insurance.
- We commit ourselves to legal working time regulations including overtime, breaks and vacation times, as well as paid sick leave and parental leave. Overtime is worked by employees on a voluntary basis and are regulated by the employment contract or a company agreement.
- We comply with national occupational health and safety regulations.
- At the request of our employees, we offer voluntary pension fund insurance.
- We support our employees in their further training with various training offers.

### Social responsibility

- At our company site in Vietnam as well as at all other company locations, no children are employed.
- In cooperation with the Red Cross, we are committed to the social integration of people with disabilities. For this purpose, we employ people with disabilities at our company site in Vietnam.

We offer all customers and partners to visit our production sites in Vietnam and Switzerland to get your own impressions and verify the commitments of this document.

If you have any questions concerning our products or working conditions, we are happy to answer them at [info@jakob.com](mailto:info@jakob.com).

Peter Jakob, CEO

Trubschachen, February 6, 2023

# Certificate

Standard **ISO 9001:2015 and ISO 14001:2015**

Certificate Registr. No. **01 100 096882 and 01 104 096882**

Certificate Holder:



**JAKOB SAIGON LTD.**  
No. 26, Street 26, VSIP II-A, Vinh Tan Ward,  
Tan Uyen Town, Binh Duong Province, Vietnam.

Scope: **Manufacture of Wire Rope Products and Its Component Parts**

Proof has been furnished by means of an audit that the requirements of ISO 9001:2015 and ISO 14001:2015 are met.

Validity: The certificate is valid from 23.06.2022 until 22.06.2025.  
First certification 2010 for ISO 9001 and 2016 for ISO 14001

16.06.2022

TÜV Rheinland Cert GmbH  
Am Grauen Stein · 51105 Köln

www.tuv.com



# Certificate

The SQS herewith attests that the organisation named below has a management system that meets the requirements of the normative base mentioned.



**Jakob AG**  
**Dorfstrasse 34**  
**3555 Trubschachen**  
**Switzerland**

Scope

**Production, assembly and distribution of stainless steel architectural wire rope and nets and of a comprehensive assortment of hosting and lifting products as well as implementation of projects associated with stainless steel rope and nets. Development/engineering, manufacture, assembly, service and maintenance of manual/motorised wire rope hoists and lifting and handling equipment.**

Normative base

**ISO 9001:2015** **Quality Management System**

Reg. no. 44783

Validity 15.09.2021 – 14.09.2024  
Issue 08.09.2022

7000\_20Jan-2017/Version 1.0



sqz.ch



A. Grisart, President SQS

F. Müller, CEO

Swiss Association for Quality and Management Systems (SQS)  
Bernstrasse 103, 3052 Zollikofen, Switzerland



Dorfstrasse 34  
3555 Trubschachen  
Switzerland  
Phone: +41 34 495 10 10  
jakob.com

**National technical approval (abZ)  
General construction technique permit (aBG)**

Number:  
**Z-14.7-557**

Period of validity:  
from: **January 5, 2022**  
to: **January 5, 2027**

Applicant:  
**Jakob AG**  
3555 Trubschachen  
SWITZERLAND

Subject of this approval:  
**Rope net constructions Jakob Rope Systems Webnet**

The above-mentioned subject of regulation is hereby generally approved/permitted by the German technical approval body, the "Deutsches Institut für Bautechnik" (DIBt).  
This notice comprises eight pages and 16 appendices.  
The subject first received the national technical approval on January 5, 2012.



**Versuchsanstalt für Stahl, Holz und Steine**  
(Amtliche Materialprüfungsanstalt)  
Karlsruher Institut für Technologie (KIT)  
Kaiserstraße 12, 76131 Karlsruhe

Leitung: Univ.-Prof. Dr.-Ing. P. Dietsch und Univ.-Prof. Dr.-Ing. T. Ummenhofer



VERSUCHSANSTALT  
FÜR STAHL, HOLZ & STEINE

## INFORMATIVE TRANSLATION

### CERTIFICATE OF CONFORMITY

**Reg.-No. VAS-00523-5**

It is hereby confirmed that – according to § 18 and § 23 of the Building Regulation of Baden-Württemberg (LBO) from 2010-03-05, last changed 2021-12-21, – the

product: **Seilnetzkonstruktionen Jakob Rope Systems Webnet**

of the manufacturer: **Jakob AG**  
**Dorfstraße 34**  
**3555 Trubschachen**  
**Switzerland**

produced in the factories according to the certification and monitoring contract (Reg.-No. VAS-00523) based on the results of the factory production control as well as on the initial testing and external control by the testing, supervising and certifying body BWU02

**Versuchsanstalt für Stahl, Holz und Steine**  
**Karlsruher Institut für Technologie (KIT)**  
**76128 Karlsruhe**  
**Germany**

which is approved by the building authority,

is in accordance with the regulations in the

- **national technical approval / general type approval Z-14.7-557 from 2022-01-12.**

This certificate is only valid in connection with the attachment of the Certificate of Conformity from 2022-04-12.

Validity: **2022-01-05 until 2027-01-05**

**Karlsruhe, 2022-04-12**

Head of the certifying body

Univ.-Prof. Dr.-Ing. T. Ummenhofer