

Operating Instructions

(Copy of Original Manual)

Wedge-type come-along clamps



**Wedge-type come-along clamps KSP 10-21
for ASCR and steel ropes**

Operating Instructions

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Version: 561.720/V15.1

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1. General information

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2. General introduction



These operating instructions must be read carefully and kept ready to hand!

These operating instructions are part of the scope of delivery. The user must be familiar with the contents of the operating instructions before putting the load handling equipment into service. In addition, the working regulations contained in the operating instructions should be followed during operation and for any intervention, maintenance or repair work carried out on the load handling equipment.

2.1 Safety instructions



These operating instructions, in particular the safety instructions, must be observed by everyone who puts the load handling equipment into service or operates it.

Furthermore the rules and regulations for accident prevention applicable to the work site must be observed.

The load handling equipment must be used only for its intended purpose and only if it is in perfectly safe condition.

Unauthorised structural modifications are not permitted.

During assembly and disassembly, the fitter can injure himself on the rope or load handling equipment if there are protruding sharp edges or wire ends. Protective gloves must always be worn when working on the wedge-type come-along clamp.

If modifications are made without consulting us or the operating instructions are disregarded, the EC declaration of conformity becomes invalid and no liability will be accepted for personal injuries or damage to property!

3. Product designation and general description

Wedge-type come-along clamps are used for the tensioning or bracing of ropes. The rope to be pulled is held tight by parallel movable clamping jaws. To prevent the rope from kinking, the eye is arranged so that the tensile force engages close to the rope.

Wedge-type come-along clamps are self-tensioning. This means that the clamping pressure and thus the holding force of the tool increases as the tensile force increases.

4. Intended use

Observe the operating loads listed in the following technical data.

The wedge-type come-along clamp may only be subjected to tensile forces in the pulling direction. Bending loads are not permissible.

The pressure strip must be replaced by a new one after 50 assemblies.



These devices must only be used for pulling and tensioning works. Lifting and lowering of loads with these devices is not permitted.

4.1 Foreseen misuse

- Only one rope may ever be clamped.
- The wedge-type come-along clamp is not suitable for the use of two or more ropes.
- The wedge-type come-along clamp must not be subjected to transverse or bending loads.
- Only original parts from the manufacturer may be used.
- The wedge-type come-along clamp must not be exposed to vibrations during operation.
- The wedge-type come-along clamp must not be subjected to bending forces during operation.

5. Mounting and putting into service

5.1 Danger zones

- The tensioning of loads must be avoided as long as persons are in the danger zone of the load.
- Do not leave loads in the tensioned state over lengthy periods of time or unattended.
- The operator may only initiate a movement of the load if he has made certain that the load is correctly attached and that no person is in the danger zone.

5.2 Regular tests

Regular inspections by a competent person must be made to ensure that the clamping device remains in a safe condition. The inspection must be carried out once per year. The inspections are essentially visual inspections and functional tests to assess the condition of components in terms of damage, wear, corrosion or other alterations and to establish the completeness and effectiveness of the safety devices. A test load of the permissible nominal load is usually required for inspection. The inspections must be initiated by the operating company.

5.3 Approved users

The equipment operator must fulfil the following requirements:

- minimum age 18
- physically fit and healthy
- familiar with the operating instructions
- familiar with the general rules for
- occupational health and safety and with the handling of the machine

5.4 Instruction for mounting

The following points must be observed during mounting:

- Tap the wedge firmly to fasten it (several hammer blows)
- Tighten screws to 23 Nm
- Use only the correct rope (material and diameter)
- Use only one rope, not two or more
- Always work with the correct pressure strip
- Use only pressure strips that are neither worn nor dirty.
- After mounting, check by hand that the wedge is tight

5.5 Responsibility during mounting



The operator is responsible towards third parties in the working area!
The device may only be used by one person!

5.6 Personal Protective Equipment

The operating company must make the following protective equipment available:

- Safety eyewear
- Protective gloves

6. Technical details

6.1 Composition

The wedge-type come-along clamp consists of the three main components wedge socket, wedge and pressure strip. In addition there are some connecting elements. Refer to the table below for the dimensions of the wedge-type come-along clamp.

Expected lifetime of the devices: 7 years. The pressure strip must be replaced by a new one at the latest after 50 assemblies.

6.2 Environmental conditions

Use in chemically reactive environments is not permitted! Temperature range -20 °C to + 50 °C

6.3 Composition

The wedge-type come-along clamp is suspended by the eye in the wedge on a load carrier. It must be ensured that the load carrier cannot lose the wedge-type come-along clamp.

A rope is clamped between the wedge and the pressure strip. The rope diameter must be suitable for the tool. Refer to the table below for suitable diameters.

6.4 Technical data

Code	Type	Line dia.	Max. load	Safety	Jaw length	L/W/H mm	kg
561.720	KSP 10	5.0-10.0	1,000 kg	threefold	100	275 x 80 x 35	1.00
561.722	KSP 14	10.5-14.0	2,000 kg	threefold	155	365 x 100 x 40	2.00
561.724	KSP 21	15.0-21.0	3,000 kg	threefold	240	500 x 150 x 50	5.20

7. Servicing and maintenance

Maintenance and repair work not described in these operating instructions may only be carried out by trained expert personnel following training by RIBE on the basis of the additionally existing service instructions.



The manufacturer accepts no liability for damage caused by improper repairs or the use of third-party spare parts. Warranty and liability claims are forfeited if maintenance is not carried out in time or is not carried out by suitable personnel.



7.1 Activities and responsibilities

Activity	Component	Activity/action	Interval/period	Responsible
Cleaning	Pressure strip	Clean thoroughly / free from abrasion residues	Before each use	User
Maintenance	Pressure strip	Check for wear and soiling	Before each use	User
	Pressure strip	Replace with a new pressure strip	After 50 assemblies or if worn	User
	Pressure strip	Check ease of movement and clamping function	Before each use	User