

# Instructions for Use

## Wire Rope Hoist

### SAT 08 / SAT 16 / SAT 32



Item no.	Load-carrying capacity (payload)	Rope diameter	Weight without rope	Device dimensions L / W / D	Rope advance per double lifting	Hoisting force with payload
SAT 08	800 kg	8,0 mm	7,6 kg	430/60/240 mm	60 mm	24 daN
SAT 16	1600 kg	11,0 mm	14,8 kg	545/97/270 mm	60 mm	30 daN
SAT 32	3200 kg	16,0 mm	25,8 kg	660/110/330 mm	40 mm	50 daN

## Attention!

**Every user must read these instructions for use before using the device for the first time.**

They are intended for getting to know the hoisting device and taking advantage of its proper applications. These instructions for use have important indications on how to operate the hoisting device safely, properly and economically. Their observance helps to prevent hazards, reduce repair costs and downtime plus increase the reliability and useful life of the hoisting device. These instructions for use should always be available where the hoisting device will be used. Apart from the instructions for use and the obligatory country-specific safety prevention regulations, the recognized rules for safe and professional work must be observed.

## Intended use

**Maximum load**, the payload indicated on the device, may not be exceeded.

**The device** is suitable for hoisting, pulling and tensioning loads. During hoisting/tensioning, the support and load hook must be aligned on one axis with the wire rope hoist rope and the device.

**Loads** may not be kept hoisted or tensioned unattended or for longer periods.

**The operator** may only start moving the load until he is sure that the load is correctly fastened and there are no persons in the danger zone. It is prohibited to stand or sit below a raised load (Illustration 2). **When hooking up** the device, the operator must be careful to use the hoisting device, suspension element or load in a way that will not endanger him. **The device** can be operated at an ambient temperature of -10°C to +50°C. In extreme situations, the manufacturer should be consulted.

**Attention!** At ambient temperatures below 0°C, check clamping jaws for icing!

**The accident prevention and safety rules** for manually operated hoisting devices of the country in which the device is used must be strictly observed. **Proper use** also includes – apart from observance of the instructions for use – compliance with the inspection and maintenance conditions.

**In case of malfunction**, the hoisting device must be immediately taken out of service.

## Improper use

**The indicated payload** may not be exceeded.

**The use** of the hoisting device for transporting persons is prohibited (Illustration 1).

**A lever extension** is not permitted, only original levers may be used.

**Welding work** on the hook, chain and device is prohibited. During welding work, the rope may not be employed as grounding cable.

**Diagonal pulling**, i.e. lateral loading on the housing, is prohibited (Illustration 3).

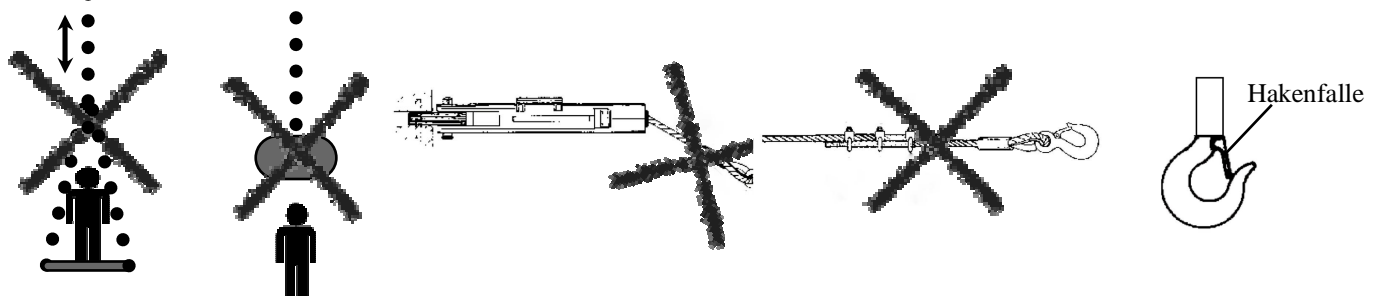
**The wire rope hoist rope** may not be directly used as sling chain.

Do not knot or connect the **wire rope hoist ropes** with wire rope clamps or the like (Illustration 4).

**The removal** of the hook latch bolt from the load hook is prohibited (Illustration 5).

Always hook up **the load** in the middle of the hook, do not overload the hook tip (this also applies to the support hook).

Do not drop the **hoisting device** from a significant height. The device should always be properly laid down on the floor.



## Initial operation testing

**Before initial use**, an expert must subject the hoisting device to a test. Possible defects must be corrected at once. This test consists largely of a visual and functional test. You must ensure that the device is in a safe position and defects or damages can be determined and corrected if applicable. Qualified persons can be deemed to be the service staff of the manufacturer or supplier, for example. The operator can also have skilled staff trained specifically for this purpose carry out the test.

**Before starting work**, the device and supporting elements, the pulling rope, equipment and supporting construction must be inspected for obvious defects and malfunctions. Furthermore, the brake and correct hooking up of the device and load must be checked too. To do this, lift, pull or tense a load over a short distance and then lower or unload it.

**The pulling rope** must be checked for external defects, deformations, cracks, wear and corrosion as well as heavy wear and tear of the rope connections (press sleeves).

**The device pin and the support/load hook** must be checked for damages, deformations, cracks, wear and corrosion pits.

## Function

Safetex wire rope hoists have been approved exclusively for – and must be used with – original Safetex wire rope hoists. A perfect function is only guaranteed with original ropes. It must be ensured that only wire rope hoists corresponding to the size of the device type are used.

### **Initial operation**

1. Put rope advance lever **1** and rope return lever **2** in the direction of the rope introduction **3**.
2. Snap clamping jaw opening lever **4** in place towards the stop pin **5**.
3. Guide the rope through the device along the rope guide **3** until it reappears at the stop pin. The rope can be pre-tensioned by pulling.
4. Reset the clamping jaw opening lever **4** until the clamping jaws engage.
5. The device is now ready for use.

**Hoisting:** Place the handle **8** on the rope advance lever **1** and secure by turning. → Move the handle (if possible, take advantage of maximum handle movement). The unloaded rope must be led through the device in orderly fashion.

**Lowering:** Place the handle **8** on the rope return lever **2** and secure by turning. → Lower it (if possible, take advantage of maximum handle movement).

**Overload protection:** The shear pin **6** serves as overload protection as it shears off if the overload is excessive and can be replaced under load. In the SAT-08, shear pins are found in the rubber grip of the handle **8**; in SAT-16 and SAT-32, in the device grip **7** (use only original shear pins).

**Load movement:** Always hang up the load in the middle of the hook; do not overload the hook tip.

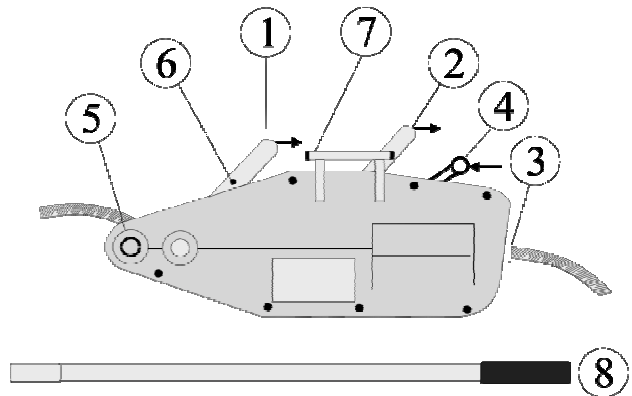
When anchoring the stop pin **5**, make sure that the pin has been pushed through all the way and is also secured with the spring pin or splint. The wire rope hoist rope must be easily led through the device; under load, it must be possible to align the device freely in pulling direction. Carrying capacity according to designation: 1:1 (testing load 1: 1.5). Accident prevention rules for hoisting devices and the guidelines for ropes and load suspension devices must be observed.

**Decommissioning:** The wire rope hoist is fully released by activating the rope return lever **2**.

Afterwards, move the clamping jaw opening lever **4** until you feel it snapping into place in the final position.

The clamping jaw opening lever **4** should only be moved with the hand, never hit it with a hammer or a similar tool. Pull the wire rope hoist rope out of the device.

1	<a href="#">Rope advance lever</a>
2	<a href="#">Rope return lever</a>
3	<a href="#">Rope guide</a>
4	<a href="#">Clamping jack opening lever</a>
5	<a href="#">Stop pin</a>
6	<a href="#">Shear pin (overload protection)</a>
7	Device grip (not in SAT-08)
8	<a href="#">Handle</a>



## **Inspection-Maintenance**

**A yearly testing of the device** must be carried out on a regular basis by a qualified individual, who must ensure that device and accessories remain in safe condition. If the device is used with heavy loads, testing should be done in shorter intervals.

**Inspections are largely visual and functional tests.** The condition of the structural components regarding damage, wear, corrosion or other changes must be assessed, as well as the completeness and effectiveness of the safety devices. To check parts subject to wear and tear, a disassembly may be necessary. For checking the hoisting, pulling and lowering functions, a payload equivalent to the nominal load is generally required. Only authorized specialized shops that use original Safetex spare parts may repair our products.

**The operator of the device must order the inspections and record them in the instructions for use**

### **Declaration of conformity – in accordance with guideline 2006/42/EC**

It is hereby confirmed that the conception, design and execution of the devices we market described in these instructions for use comply with the pertinent, basic safety and health requirements of EC guideline 2006/42/EC for machinery. If the device is modified or supplemented without our knowledge, this EC declaration of conformity will cease to be valid. This EC declaration of conformity will also cease to be valid if the machine is not used as intended according to the uses indicated in these instructions for use and the tests are not regularly performed.

## **Standards-Guidelines**

EC guideline 2006/42/EC for machines  
DIN EN 349 machine safety

### Final inspection

Type of device  
 SAT-

Series number

Inspector

Date

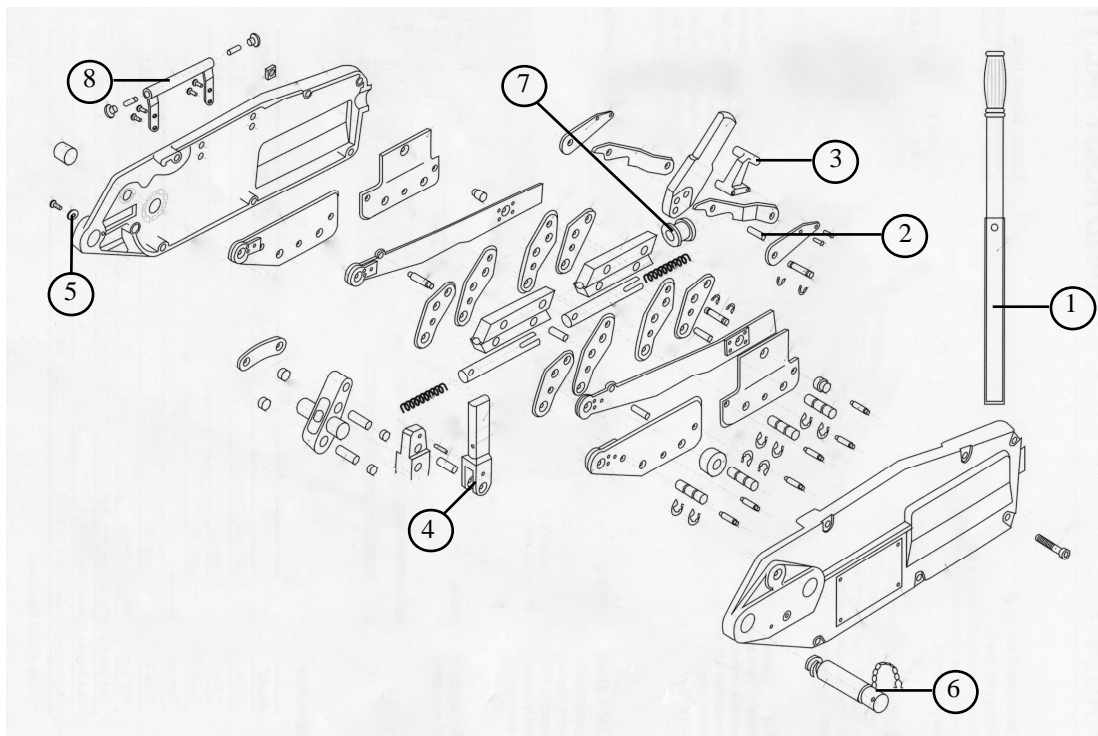
### Test report / Inspection

Inspection remark

Inspector

Date

### Exploded view



Principle sketch

## List of spare parts

Item no.	Description	Item no. For SAT-08	Item no. For SAT-16	Item no. For SAT-32
1	<a href="#">Handle</a>	SAT-08-ET-HH	SAT-16-32-ET-HH	SAT-ET-16-32-HH
2	<a href="#">Shear pin</a>	SAT-08-ET-ASS	SAT-16-32-ET-ASS	SAT-16-32-ET-ASS
3	<a href="#">Clambling jaw opening lever complete</a>	SAT-08-ET-KH	SAT-16-ET-KH	SAT-32-ET-KH
4	<a href="#">Rope advance lever catch</a>	SAT-08-ET-SH	SAT-16-ET-SH	SAT-32-ET-SH
5	<a href="#">Bolt pin complete</a>	SAT-08-ET-BS	SAT-16-ET-BS	SAT-32-ET-BS
6	<a href="#">Stop pin complete</a>	SAT-08-ET-AB	SAT-16-ET-AB	SAT-16-ET-AB
7	<a href="#">Rope guide sleeve</a>	SAT-08-ET-SF	SAT-16-ET-SF	SAT-32-ET-SF
8	<a href="#">Device grip</a>	-	SAT-16-32-ET-GG	SAT-16-32-ET-GG

SAFETEX®  
Hebe- und Transporttechnik GmbH  
Hafenbahnstraße 10 A  
D-70329 Stuttgart  
Phone +49 (0)711/322039  
Fax +49 (0)711/329297  
www.safetex.de info@safetex.de

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