

Instructions for Use

Plain Trolley ULK

Geared Trolley UHK



Item no.	Load-carrying capacity (payload)	Weight	Trolley widths *special trolley widths*	Device dimensions mm H / W / D	Minimum curve radius mm
ULK-005	0,5 t	6 kg	50 - 152/203*	200/204/230	900
ULK-010	1,0 t	10 kg	64 - 203/305*	244/234/301	1.000
ULK-020	2,0 t	17 kg	88 - 203/305*	258/284/315	1.100
ULK-030	3,0 t	26 kg	100 - 203/305*	326/328/334	1.300
ULK-050	5,0 t	40 kg	114 - 203/305*	365/362/355	1.400
UHK-010	1,0 t	14 kg	64 - 203/305*	244/234/330	1.000
UHK-020	2,0 t	21 kg	88 - 203/305*	258/284/334	1.100
UHK-030	3,0 t	30 kg	100 - 203/305*	326/328/362	1.300
UHK-050	5,0 t	45 kg	114 - 203/305*	365/362/380	1.400
UHK-100	10,0 t	82 kg	124 - 203/*auf Anfr.	490/389/355	1.700
UHK-200	20,0 t	180 kg	138 - 203/*auf Anfr.	499/789/419	2.800

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 the hoisting, lowering and horizontal displacement of loads. **Loads** may not be kept hoisted 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 $+50^{\circ}\text{C}$. In extreme situations, the manufacturer should be consulted. **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). **Welding work** on the device is prohibited. **Diagonal pulling**, i.e. lateral loading on the cross arm and side plates, is prohibited (Illustration 4). **The load** must always be hoisted in a straight line between the hooking up point-cross arm and the load attaching point (Illustration 3). **Incorrect hooking up/loading** of the cross arm (i.e. above the flat cross section) is prohibited.

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

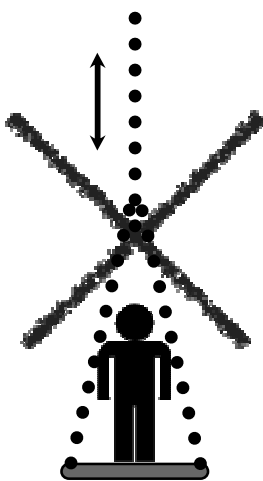


Illustration 1

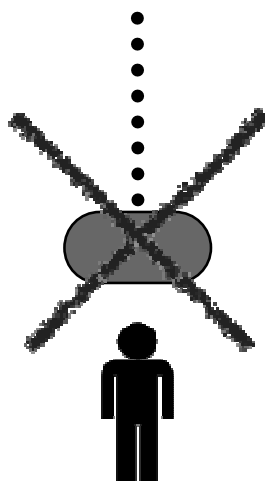


Illustration 2

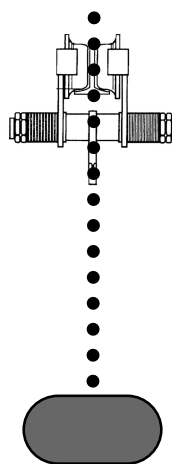


Illustration 3

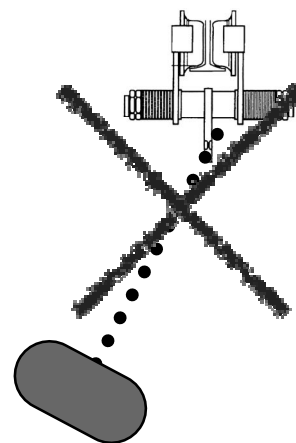


Illustration 4

Initial operation testing

Before initial use, an expert must subject the 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 equipment, supporting elements and supporting construction must be inspected for obvious defects and malfunctions. Furthermore, the correct hooking up of the device and load must be checked too. **The selection** and dimensioning of the suitable supporting construction are the responsibility of the operator.

The adjustment of the running gear width must be maintained on both sides between the wheel flange of the track rollers and the support exterior edge of the given values. An enlargement of the adjustment (e.g. for driving a smaller radius) is not permitted. **Attention!** Before using the running gear, it must be ensured that there are no protruding contours or obstacles on the running beam and along the track. It must be checked whether there are end stops on the track to prevent the running gear from crashing. Before loading the running gear and putting it into operation, it should be driven once over the complete track to ensure smooth running.

Function

Safetex plain trolleys and geared trolleys have been exclusively approved for – and must be used with – original Safetex parts.

Assembly instructions

Measure the flange width of the running track beam. Depending on the beam width, mount the spacer sleeves and disks **6** equally on both sides of the cross arm **1** and slide the side plates open. A gap of 2 mm must remain between the carrier flange and wheel flange of the track rollers.

Internal dimension = Flange width + 4 mm

After adjusting the internal dimension, distribute the remaining spacer disks **5** equally outside the side plates **2** on the cross arm. In each case, at least 3 small disks must lie between side plate **2** and castle nut **6**. For better mounting, screw down a side plate **2**, but pay attention to the desired position of the driving side. The other plate is loosely attached and the entire unit lifted onto the beam. Now screw all castle nuts **6** together. Afterwards, test the **function** of the running gear by displacing under load and ensure that the predetermined tolerance play is maintained. Make sure that the side plates **2** are parallel and all track rollers **3** rest on top of the beam flange. Now secure all castle nuts with split pins.

Loading the hand chain in the geared trolley: The slot located on the outer edge of the hand chain wheel must lie below the hand chain guide. The endless hand chain must be inserted perpendicularly into this slot with any chain link and held in the slot until the chain has been led through both hand chain guides by turning the hand chain wheel **4**.

Initial operation: When hooking up the plain/geared trolley, make sure that the supporting construction has been statically laid out for the purpose of taking up the load.

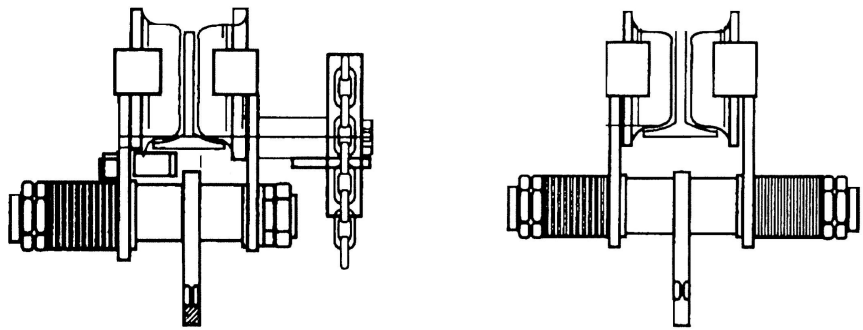
Moving the load: The plain trolley is activated by moving the attached device or load. The geared trolley is activated by pulling on the hand chain belonging to the geared trolley mount.

Attention! Check for perfect hooking up of the plain/geared trolley.

Carrying capacity according to designation 1:1 (test load 1:1.5).

The accident prevention rules for hoisting devices and the guidelines for chains and load suspension elements must be observed.

1	Cross arm
2	Side plate
3	Track roller
4	Hand chain wheel
5	Spacers
6	Castle nut
7	Lifting eye



Inspection-Maintenance

A yearly inspection 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 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
EN 292 Parts 1 & 2; EN 349

Final inspection

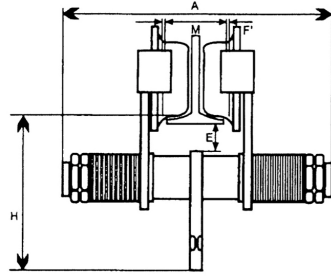
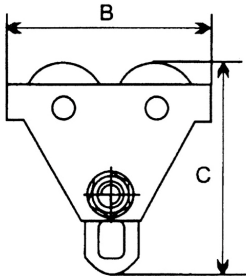
Type of device	Series number	Inspector	Date
TSW-			

Test report / Inspection

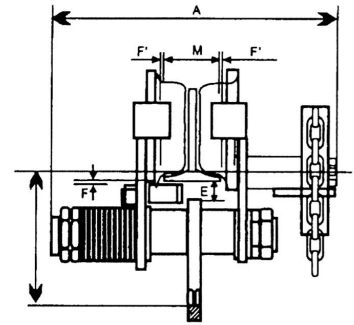
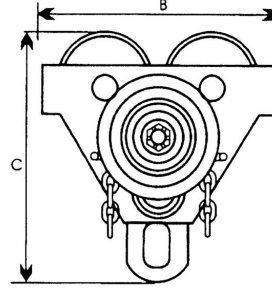
Inspection remark	Inspector	Date

Drawing

ULK



UHK



Dimensions

Dimensions in mm –

	ULK -050	ULK -010	ULK -020	ULK -030	ULK -050	UHK- 010	UHK -020	UHK -030	UHK -050	UHK -100	UHK -200
A	248	314	330	356	385	286	396	430	451	480	537
B	184	220	254	299	326	220	254	299	326	389	574
C	198	237	262	341	395	237	283	341	395	500	622
E	9	9	10	10	12	9	10	10	12	22	30
F	3	3	3	3	3	3	3	3	3	3	3
H	113	134	158	186	219	134	158	186	220	285	315

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