

- 1. Assign a location for the equipment considering the space requirements (impact area).
- 2. Excavate soil for foundations of starting point and terminus, according to drawing (with level ground, provide additional formwork for the starting point foundation). Please note: To achieve maximum stability and safe installation, a moderate level of soil solubility is indispensable.
- 3. Due to the danger of overstraining the tube bends of the posts, we recommend to begin with mounting two posts to each crossbeam (see figure "Installation of supports"). Raise the unit by using an appropriate lifting gear and put assembly into foundation holes (respectively into formwork) after mounting the reinforcement cages. Support temporarily, in accordance with all security-relevant rules. Afterwards mount the remaining two posts as well as the reinforcement cages to the crossbeam.
- 4. Align starting point and terminus and grout foundations (according to drawing) with compressed concrete C20/25. Lift up reinforcement and ensure a concrete covering of at least 5 cm.
- 5. Mould a suitable hill course, according to drawing. The impact attenuating surface within the impact area (see ground view) shall at least conform to the minimum values for a critical fall height of 1000 mm (see EN 1176-4).
- 6. For wire cable forwarding, please complete attached form "Measurement on site" and return sheet to your distributor or to K&K Freizeitgeräte.

After setting of concrete foundations: (see figure "Installation of wire cable")

- 7. For cable assembly, the tensioning device mounted to the crossbeam of the terminus must be relaxed as follows: remove protective cap from tensioning device by loosening the set screws by an Allen key 6 mm across-flats.
 - Extend the tensioning device to the stop by a spanner jaw size 36 mm.
- 8. Hang up cable with traveller: Remove hexagon head screw from wedge socket (24 mm across-flats), match ends of wedge socket with fixing hole at end of tensioning device, reinsert screw and fix it with a prevailing torque type nut. Attention: Tighten the screw such that the wedge socket barely remains flexible. Perform that procedure both at the starting point and at the terminus.
- 9. Tension the cable such that the pendulum seat (with a load of 69,5 kg) keeps ground clearance of at least 0,35 m (according to EN 1176-4). If necessary, shorten length of seat chain above the handle. Do not fall below the minimum length of 1,80 m for chain including
- 10. To make sure a proper course of the traveller on the cable, the lateral impact plates of the traveller are vertically adjustable to avoid tilting or abrasion of the cable.
- 11. Check all screw connections and cable tension according to maintenance instructions after 4-5 weeks and retighten, if necessary. Afterwards, cover the screw heads with protective caps (included in delivery).

Tools: lifting gear (for approx. 0,5 t) ladder, spanner, Allen key

Installation

Item No. 0-42225-001 Description

K&K Cableway (25 m)

Scale

Date

Page

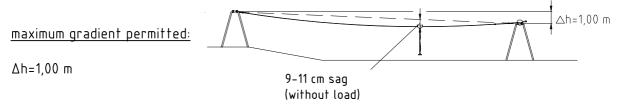
05/18 DW

Minimum/maximum wire cable sag:

sag = maximum vertical distance from

- imaginary line between cable suspension points (K&K: from centre to centre of wedge sockets) and
- centre of sagging wire cable measured at low point

minimum sag: 9 cm (without load) (without load) maximum saq: 11 cm



impact area

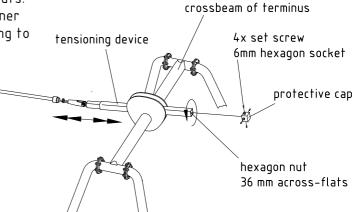
(area marked by dashed line, see ground view) area = 111 m²

free height of fall = 1,00 m

<u>Instructions on (re-)adjusting the wire cable:</u>

1. Remove protective cap from tensioning device by loosening four set screws by means of an Allen key 6 mm across-flats.

2. Turn hexagon nut by means of a spanner jaw size 36 mm, direction corresponding to intended effect.



Please ensure that all special tools supplied and all specific documents which are or may be useful for safety management according to EN 1176-7 (e.g. invoice, delivery note, order acknowledgement, installation and maintenance instructions) are forwarded to the persons responsible.

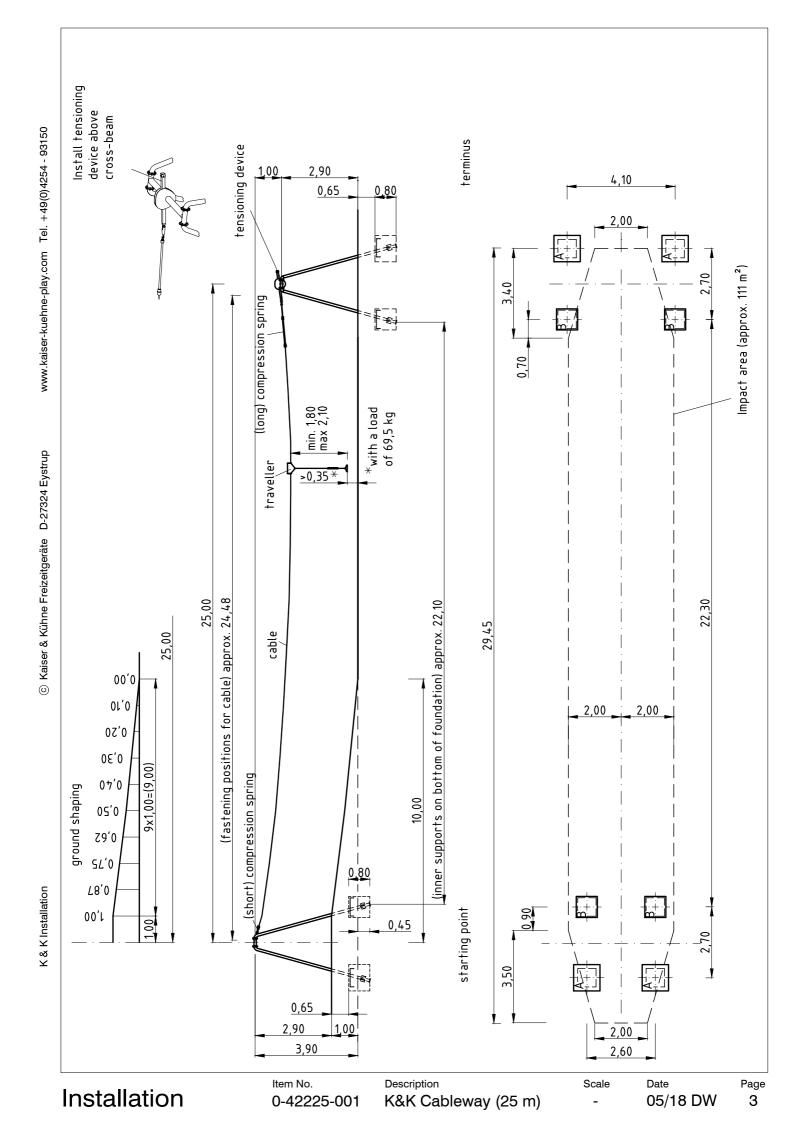
Installation

Item No. 0-42225-001 Description K&K Cableway (25 m) Scale

Date

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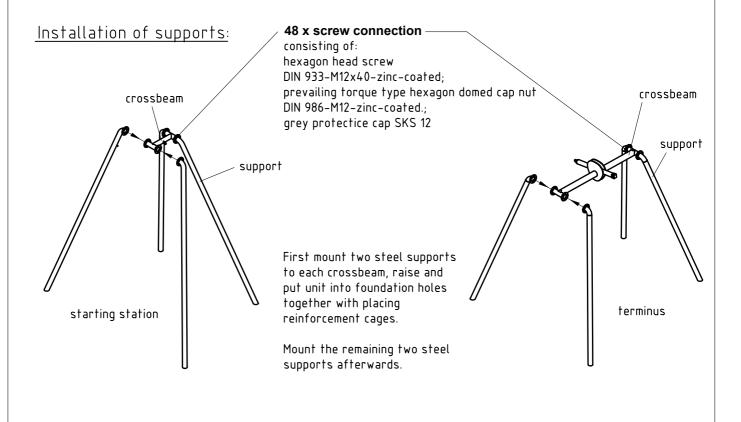
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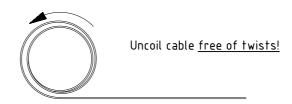
starting station and terminus outer support reinforcement cage 0,70 concrete

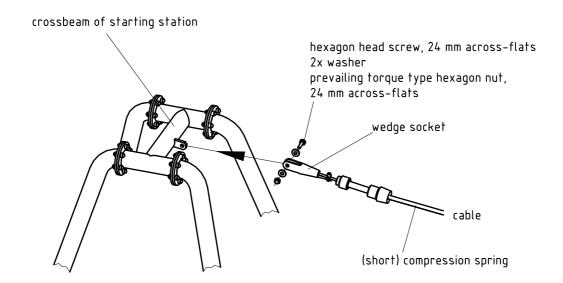
reinforcement cage concrete

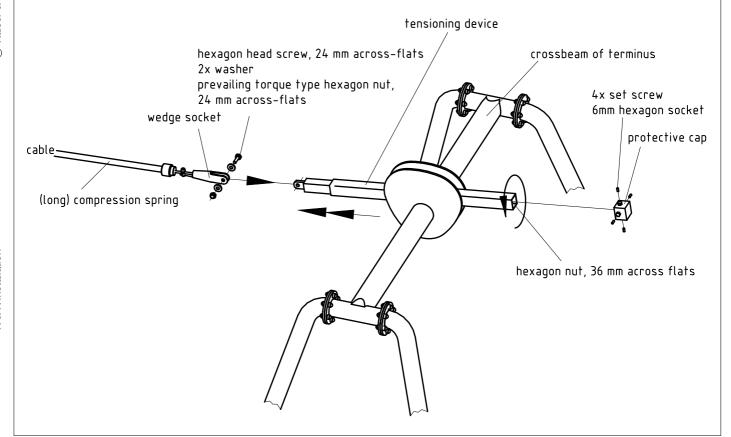
□0,80



Installation of wire cable







Installation

Item No. 0-4225-001 Description K&K Cableway (25 m)

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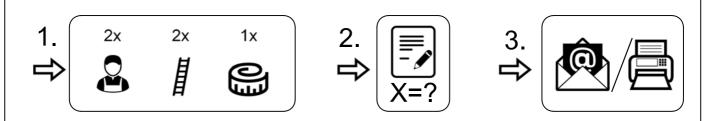
Measurement on-site

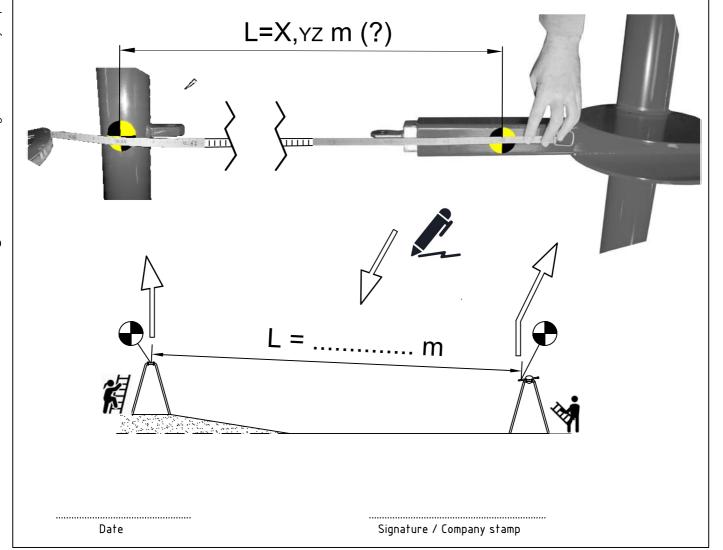
for cable length determination

Please fill in this form and return it to: Kaiser & Kühne Freizeitgeräte GmbH Im Südloh 5 27324 Eystrup Fax +49(0)4254 / 93 15 24

Address for delivery

Order No. K&K:	B/		
Building project:		Location:	
Installation enterprise:			







Einstellbarkeit bzw. Optimierung des Seilwagenlaufs



Adjustment resp. improvement of the pulley course on the rope

Für einen sauberen Lauf des Wagens, und um Verkanten oder Verletzung des Seils auszuschließen, können die seitlichen Anschlagplatten am Seilwagen mittels der Langlöcher in der Höhe verstellt werden. (im Lieferumfang enthalten: Schraubendreher Torx TX30 mit Bohrung für Pin – K&K Art.-Nr. 3490080)



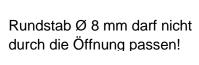
For a proper course of the pulley and to avoid tilting or abrasion of the rope, the lateral impact plates of the pulley can be vertically adjusted (included in delivery: screw driver Torx TX 30 with drill for pin – K&K item-Nr. 3490080





Kontrollmaß zur Überprüfung bei jedem Wartungsintervall

Specification to be checked on each service interval





The 8 mm finger rod must not fit into the notch!

Abstand < 7 mm; O.K.

Abstand ≥ 7 mm: AUSTAUSCH!!



Gap < 7 mm: O.K.

Gap ≥ 7 mm: REPLACEMENT!!