TAD, instructions for drivers

Annex 4 - Work at height system manual

Instructions for use of a class C descent (lowering) device, type HAS 9+ HAS 18

in accordance with EN 341:2011 Class C/EN 360:2002

Introduction: The HAS 9+ HAS 18 device is a fall protection equipment with integrated energy absorber and descent (lowering) function which, together with an EN 361-compliant safety harness, ensures the safety of persons during work involving a risk of falling, e.g. when securing persons on tankers or in high-bay warehouses.
When triggered by a fall, the affected person can directly descend at a speed of approx. 0.7 m/s. Read carefully the entire instruction manual before using the device (1). Prepare a rescue plan taking into account all possible emergency situations during operation.

Important: The use of HAS devices in ropes courses and other recreational facilities is prohibited.

Safety instructions

1 Use the HAS device only in accordance to the intended purpose. Failure to observe the instructions may result in life-threatening injuries! Any alterations or modifications to the device are forbidden.

2. The HAS Slide Device may only be used by persons trained in safe operation of the device. The operator's health condition must not adversely affect the operating capabilities (consumption of alcohol, drugs, medication and cardiovascular problems).

3. Never try to open or repair the HAS device by yourself. Such activities may only be carried out by experts trained and authorised by the manufacturer.

4. the HAS device is approved to secure 1 person at a time. The maximum rated load is 136 kg and the minimum rated load is 50 kg. The following health and safety regulations must be observed at all times: DGUV R 112-198 and DGUV R 112-199.

5. The operating manual for the subsystems used must be followed.

6. Prior to each use, check the legibility of the product marking.

7. Prior to each use, perform a visual inspection and check the operation of the HAS device. To do this, attach the device to a suitable anchorage point: pull on the rope, the closing latches must produce discernible sound and a perceptible braking resistance. Hold the rope and guide it through the device. Loosening the grip of the rope may result in personal injury and damage to the device due to the rope being pulled quickly and uncontrolled into the device.

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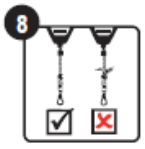
8. Check the correct operation of the snap hook (self-locking). Check the condition of the wire rope. Using the HAS device with a damaged rope, e.g. with torn or broken rope strands is forbidden.

9. In case of any doubt as regards the condition or safe operation of the device or if there is a load on the rope as a result of a fall/lowering, the device must be taken out of service and handed over for inspection by an expert trained and authorised by the manufacturer. The expert must give written approval for the continued use of the device.



10. A suitable anchorage point, compliant with national regulations, must be selected for the device, with a minimum load bearing capacity of 9 kN (22.2 KN in North America). Anchorage with a snap hook in accordance with EN 362:2004/CSA Z259.12-01/ANSI/ASSE 2359.12-2009 or an anchorage device in accordance with EN 795, whereby the anchorage device will be threaded through the loop of the device and closed with a secure snap hook (0).
In the case of devices with a swivel sling, the snap hook should be connected to the anchorage point and the swivel. If a securing device for work at height is used with a lashing device type C / class C according to EN 795 (only if joint use is permissible) with a vertically movable guide, the deflection of the lashing device must also be taken into account when determining the necessary clear height under the user. The information provided in the instructions for use for the mounting device must be observed for this purpose.

11. The HAS device is intended for vertical operation only. The anchor point should as far as possible be perpendicular above the head of the person to be secured in order to exclude sway in the event of a fall.

12. The retractable connection point should be connected to the snap hook of the harness (EN 361) using a 21 mm snap hook. The snap hook must be locked. Note: If the fall indicator at the snap hook has been triggered by a load due to falling (figure 13a), then the device must be taken out of service immediately and handed over to an expert for inspection and repair. Re-acceptance requires a written annotation in the inspection book.

13. The free fall area under the protected person should be at least 2 m.

14. the permissible operating temperature of the HAS device is -40°C to +50°C.

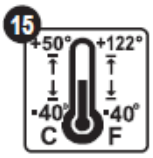
15. the HAS device must be checked by an authorised expert as required, after each lowering operation, once the maximum lowering operation limit has been reached, but at least once a year. The check must be documented in the inspection logbook!
16. The average lowering speed is approx. 0.7 m per second.

17. Do not descend over dangerous substances, bulk goods, liquids or obstacles to prevent drowning or impact that could cause injury.

18. There must be no obstacles along the descent path.

Preservation and storage

1. HAS equipment must be protected against the effects of welding flames, welding sparks, fire, acids, alkalis and extreme temperatures and corrosive environmental factors.



2. In HAS devices which are constantly exposed to adverse weather condition it is recommended to maintain the wire rope of using acid-free oil or vaseline.

3. HAS equipment used only occasionally should be stored in a dry, possibly closed place without contact with dust and oil, e.g. in a box (available from IKAR accessories). During transport make sure that the HAS is not damaged by impact.

4. The device components which have become wet during cleaning or in operation should be dried in ambient conditions away from fire or other sources of heat.