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Work Positioning Rope SK 12-16 EN 358

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Guided-Type Fall Arrester SK 12-16 with Strap-Type Energy Absorber on a Flexible Anchorage Line

(for use with horizontal and vertical securing)

EN 353-2

CE 0158

Technical Data

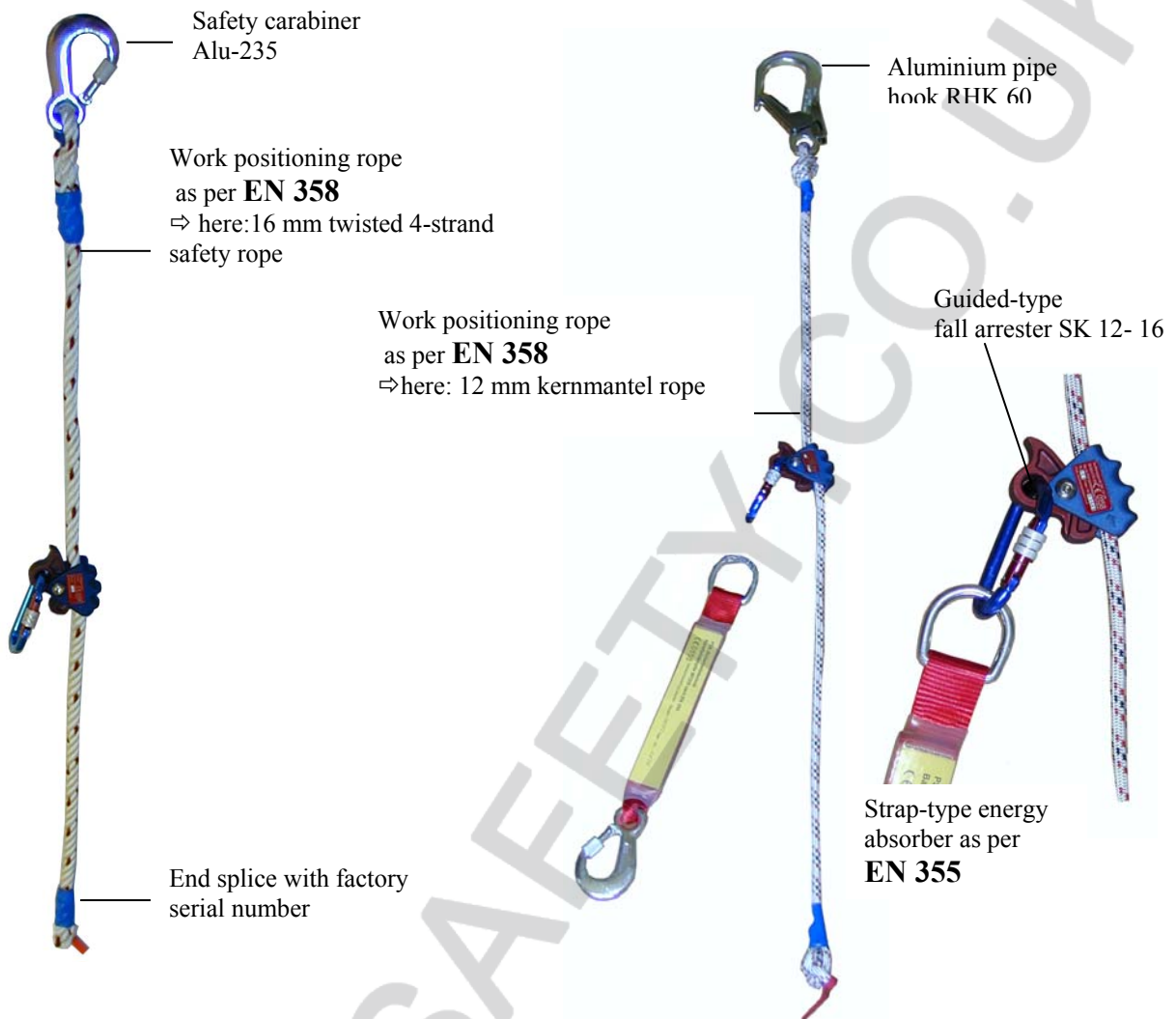
Manufacturer : Tractel
Type : SK 12-16
Ser. No. /
Yr. of Manufacture :/.....
Weight : 1.0 kg
Test Centre : DMT GmbH
Am Technologiepark 1
45307 Essen

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1. Illustration



Combination:
Work positioning rope SK 12-16 (EN 358) + Strap-type energy absorber (EN 355)
= Guided-type fall arrester on a flexible anchorage line (EN 353-2)

The rope can also be manufactured with different safety carabiners.

A use of the fall arrester on a flexible anchorage line is only possible with the following rope types of the manufacturer:

- with 4-strand 16mm safety rope
- with 4-strand 12mm safety rope
- with 12mm kernmantel rope (sheathed core rope)

2. Description

The work positioning rope SK 16 is intended for the securing of persons carrying out work at workplaces where there is a danger of falling.

The work positioning rope consists of a 12mm or 16mm thick 4-strand safety rope or a 12 mm thick kernmantel rope, which has a safety carabiner spliced-in at one end. The other end has an end splice that prevents the work positioning rope from slipping through the guided-type fall arrester (SK 12-16).

The guided-type fall arrester (SK 12-16) has a free travel motion in the direction of the anchoring point (rope end with carabiner) on the work positioning rope and prevents a fall in the other direction via the automatic clamping function. The release after use of the clamping function is done one-handed by pressing in the locking clamp.

The temperature-dependent 'use range' of the work positioning rope is between the ambient temperatures of -30°C to 80°C.

3. Use as a Work Positioning Rope as per EN 358

3.1 Preparation

The work positioning rope is ready for use immediately after its removal from the equipment bag/case.

The work positioning rope must be visually inspected by the user before each use in order to confirm that the work positioning rope and the rope shortener are in a usable and working condition. The visual inspection should confirm that the safety rope does not have any cut strands or torn fibres and that the spliced end terminations are in a perfect condition. The gate function of the carabiners and the arresting function of the rope shortener on the rope should also be checked. The safety carabiners must not show any signs of corrosion damage or mechanical damage

3.2. Areas of Application

Securing on ladders, mast or similar constructions

The person to be secured must be wearing a full-body harness as per EN 361/ EN 358 that has lateral attachment elements. Observe the Instructions for Use for the used full-body harness.

The rope shortener on the work positioning rope is connected to one of the lateral attachment elements on the full-body harness via a carabiner. The free end of the work positioning rope is then routed around the mast or similar construction and connected to the other lateral attachment element of the full-body harness.

The adjustment and the position of the work positioning rope should be chosen so that the work positioning rope is kept taut and positioned above the waist of the user. The free movement should also be limited to a maximum of 0.6 m.

The work positioning rope must be kept away from sharp edges in order to avoid the rope being cut. The work positioning rope should not be wrapped around construction elements with a small diameter in order to prevent a free fall of more than 0.5m.

4. Use with Band-Type Energy Absorber as Guided-Type Fall Arrester on a Flexible Anchorage Line as per EN 353-2

4.1 Preparation

After the 'fall arrester on a flexible anchorage line' has been removed from the equipment bag/case, the user must ascertain if the strap-type energy absorber is already connected to the fall arrester. If it is already connected, the 'fall arrester on a flexible anchorage line' is ready for use immediately after the removal.

If the fall arrester and the pertaining energy absorber are not connected, the energy absorber must be connected to the fall arrester via carabiner before the use of the fall arrester.

The 'fall arrester on a flexible anchorage line' must be visually inspected by the user before each use in order to confirm that the fall arrester and energy absorber are in a usable and working condition. The visual inspection should confirm that the safety rope does not have any cut strands or torn fibres. The gate function of the carabiners and the arresting function of the arrester on the rope should also be checked. The energy absorber must not show any signs of tear and damage to the protective sleeve and the gate function of the carabiner must be checked.

4.2 Areas of Application

Securing to platforms, ladders, masts or similar constructions at which there is a danger of falling

The person to be secured must be wearing a full-body harness as per EN 361. Observe the Instructions for Use for the used full-body harness.

For both a horizontal and a vertical securing, the 'guided-type fall arrester on a flexible anchorage line' must be connected, via the carabiner on the strap-type energy absorber, to the suspension eyes on the full body harness. A connection to the attachment elements or climbing protection eyes of a full body harness is not permitted.

- **Vertical securing**

When used on a ladder, the 'guided-type fall arrester on a flexible anchorage line, automatically accompanies the climbing user during the ascent.

The free rope end must be held in the lower area of the ladder during this use by way of a weight or a connection. With a proper use, a fall is prevented by the automatic clamping function.

In the event of a fall, the strap-type energy absorber limits the free fall to a maximum distance of 1.2 m, which dampens the impact force occurring during a fall to a maximum of 600kg.

For the securing on platforms where there is a danger of falling, the safety carabiner of the anchorage line rope must be secured to an anchorage point EN 795 (with a minimum load capacity of 1000 kg) located above the user.

The user can then position the fall arrester on the flexible anchorage line at the required rope length. The clamping lever of the fall arrester as per SK 12-16 must be unlocked for the rope length adjustment.

The clear height under the feet of the user must be at least 3.0 m to the ground or other obstructions in order to prevent an impact during a fall.

- **Horizontal securing**

When the fall arrester is used with a horizontal anchorage line, the anchorage line rope must be secured to an anchorage point as per EN 795 that must not necessarily be located above the user.

When the user moves in the direction of the drop edge, the length adjustment of the lanyard is done by unlocking the locking lever of the SK 12-16. The length adjustment should give the lanyard a slight tension. The clear height under the feet of the user must be at least 5.0 m to the ground or other obstructions in order to prevent an impact during a fall.

Note:

During each use, the carabiner of the anchorage line rope must be secured to an anchorage point as per EN 795.

The anchorage line rope must not run over sharp edges, must not be slack or come into contact with welding sparks.

5. Storage and Transport

The work positioning rope must be stored in a dry, cool place and protected from UV radiation. Contact with chemicals, corrosive liquids and oils must be avoided.

If a wetting of the work positioning rope was unavoidable, it should be dried in a natural way and not in the proximity of fire or other heat sources.

The work positioning rope should always be transported in a strong equipment bag/case in order to avoid damage by external influences.

6. Cleaning

Clean the work positioning rope only with a gentle washing powder at a maximum temperature of 40°C. The drying must be done in a natural way and not in the proximity of fire or other heat sources. This cleaning recommendation must be strictly complied with!

7. General Information

The work positioning rope must be visually inspected by the user before each use in order to confirm that it is in a usable, safe and working condition.

The rope material must be protected from welding sparks and a rope material damage from sharp edges must be avoided.

If damage to the work positioning rope is identified it must be withdrawn from use and sent to the manufacturer for examination.

Note:

Modifications or add-ons to the work positioning rope are not permitted because this results in the cancellation of the type approval.

Only trained and qualified persons may use this personal protection equipment. Only the ropes supplied by the manufacturer may be used.

8. Inspection

The work positioning rope must be examined by the manufacturer or a qualified person authorised by the manufacturer at least every 12 months.

The examination of the work positioning rope must be carried out sooner in the case of great stressing (environmental or industrial factors that impair the quality/function of the material) or numerous uses.

9. Replacement Time (Service Life)

Under normal use conditions or non-use, textile ropes should be withdrawn from use after 8 years.

10. Inspection Book

Below is an inspection form that can be used in the form of an inspection book, which must be kept with the equipment. In the case of a use with a strap-type energy absorber, a separate inspection book must be kept for the energy absorber.

Product: Work Positioning Rope SK 12-16 / Guided-Type Fall Arrester SK 12-16 with Strap-Type Energy Absorber on a Flexible Anchorage Line		
Manufacturer's serial number:		
Owner / User:		
Date of purchase		First use on:
Date of inspection	Results of the inspection Information on identified defects	Stamp / Signature of Inspector