

Instruction for use/ test book

FallArrescue

Patent application No 1015904.4

Technical data:

Manufacturer:	Getmie Safe
Type of descender device:	MRG92P Automatic descending device
Device class/EN standard:	A/ EN341—1993
Serial Number:
Year of manufacture:
Rope type:	10mm kernmantel EN1891
Maximum descent height:	160m
Maximum descent load:	200kg
Descent speed:	0.8m/s
Permitted descent height:	See end of rope
Safety Rope:	S12KM 12mm kernmantel rope
EN Standard:	EN 353/2
Serial Number:	See end of rope (this component is changeable) Supplied with separate inspection sheet
Fall Arrestor:	AH3F-12KM Guided type fall arrestor (rope grab)
EN Standard:	EN 353/2
Serial Number:	See device body -this component is changeable Supplied with separate inspection sheet
Connectors:	All connectors are EN 362

Only the above components can be used to complete this system
DO NOT USE AN INCOMPLETE SYSTEM

FallArrescue instruction for use.

1. Application

The FallArrescue is a system designed to arrest the fall of a person and automatically lower them to safety at a controlled descent speed which is governed by the centrifugal braking system in the main hub. The system is suitable for use by a single person only.

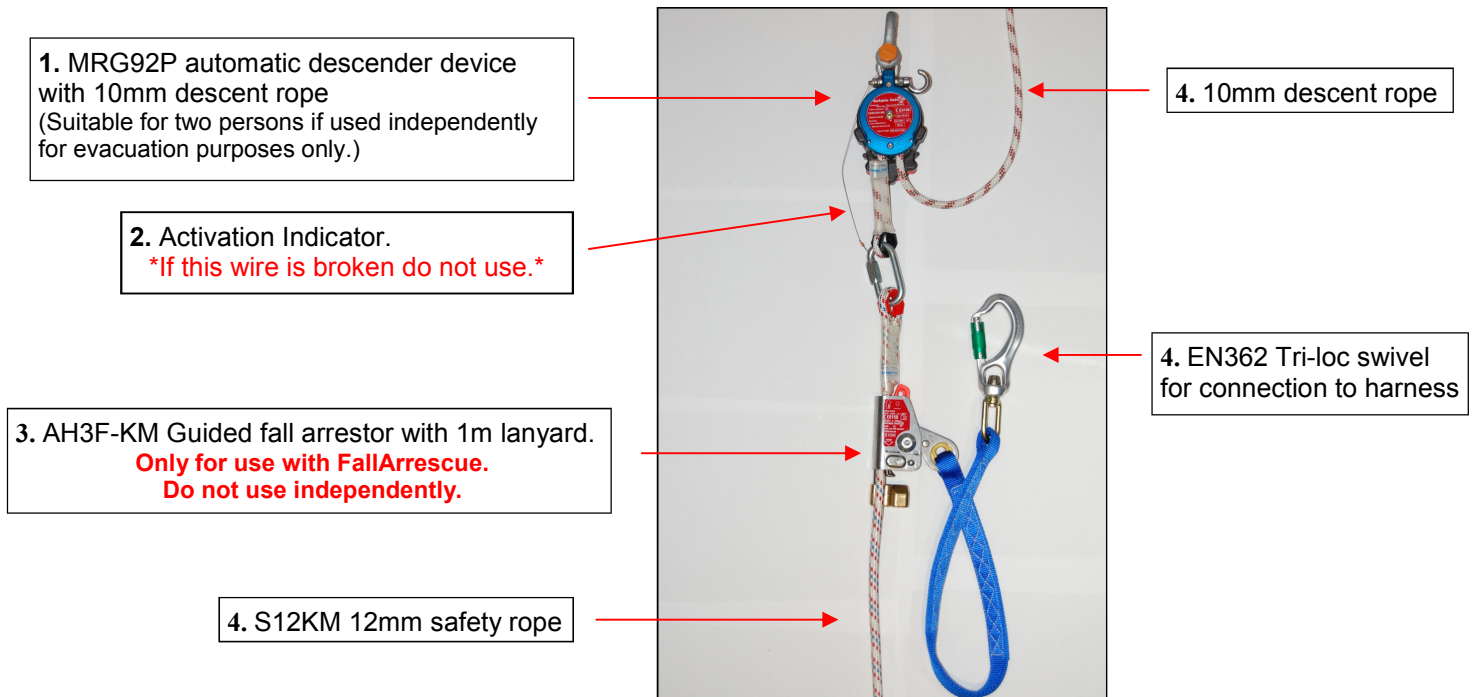
2. Notifying body CE0158

The FallArrescue system has been tested by Dekra Exam gmbh, D-44809 Bochum, Germany.

3. Use.

All connectors for the system must comply to EN362.

The three main components are interchangeable. Any changes can only be carried out by authorised persons.



Always connect the AH3F to the 12mm S12KM safety rope

Never connect the fall arrestor directly to the MRG92P 10mm descender rope.

4. Compatibility with other products

Always wear a suitable harness that complies to EN361.

Always use a suitable anchor that complies to EN795.

Please refer to the relevant manufacturers instructions to ensure compatibility with our system.

FallArrescue instruction for use.

5. Anchorage

The system must be attached by the connector on the top of the descender device (pic1) to a suitable anchor that complies to EN795 with a minimum load carrying capacity of 10KN. Ensure the system is anchored above the user and the position allows for an unobstructed descent.



Connection to EN795 anchor point.

Connection must be with an EN362 connector or an approved shackle with a minimum loading of 20kn directly to the anchor.

Only use shackles that have a method of securing the locking pin. Contact manufacturer for details of approved shackles.

6. Descent Height

Always ensure there is enough rope length on the descender device for the user to reach the selected safe area or to ground level. Ensure a clear descent that is free from obstruction.

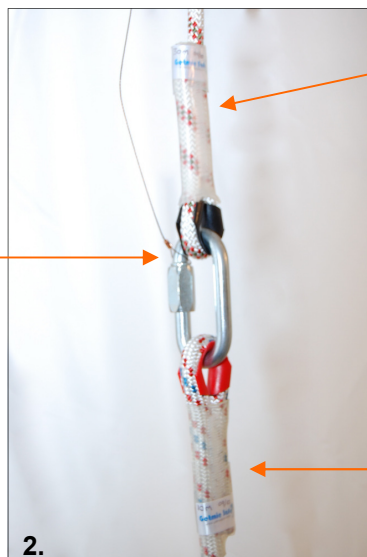
*** Never allow the user to be left suspended or prevent the system from lowering the user once activated***

Prior to installation the user must confirm the maximum height and rope length required. Check the rope length of both the MRG92P descender device and the KM12 safety rope. Each rope has the length indicated at the ends (pic 2).

The S12KM safety rope must be long enough to allow for full travel of the user when used in conjunction with cradles, Baskets and other powered access applications.

Ensure rope length is suitable for descent to safety

EN362 connector joining ropes.
Tighten gently with spanner.
Note position of activation indicator.



Rope identification for 10mm descent rope.

12mm safety rope identification.
Length marked on aluminium ferrell at opposite end.

- Ropes must only be changed by authorised persons.
- Inspection records must be updated to show the new rope lengths being used for the system.
- All inspection sheets for the ropes must be kept with the equipment at all times.

FallArrescue instruction for use.

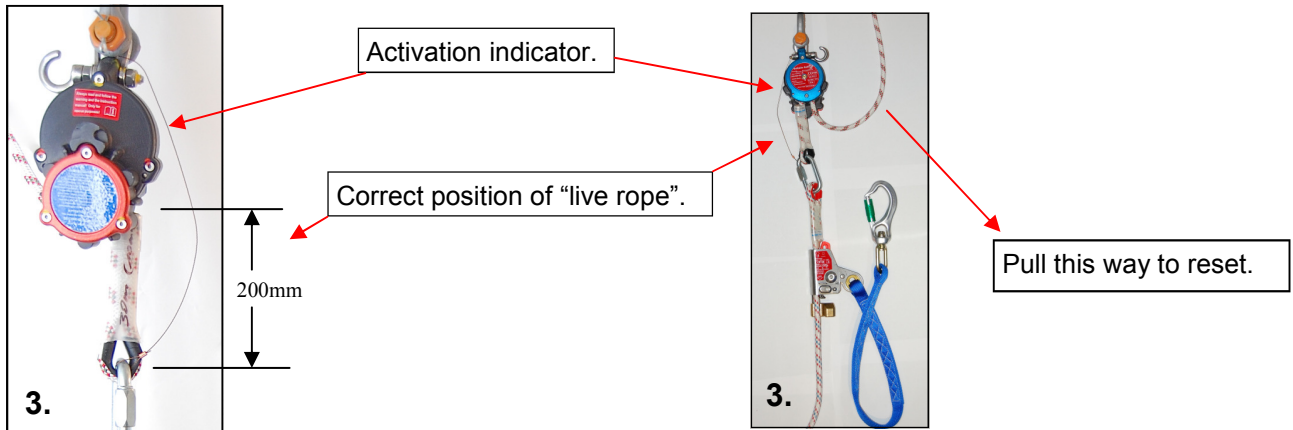
7. Pre-use checks.

Ensure that all component parts are within test date. Ensure all connections are correct and that the rope lengths are equal. Ensure that the 10mm descender rope runs freely in both directions.

Damaged or out of date components must be replaced by an authorised person.

The FallArrescue system must always be reset before use. The live end of the descent rope from the MRG92P Descender is connected to the S12KM safety rope. This connection must remain within 200mm of the descender hub. See Pic 3.

Check that the “Activation Indicator” is in place prior to use. Devices that have been activated must be examined.



To reset the system, pull down on the dead end of the rope, see Pic 3, until the connection is within the accepted distance. The position of this connection must be monitored regularly and reset as required.

To reset the system from below, first hold the AH3KM guided type fall arrestor stationary on the live rope. Next, pull down on the dead end of the 10mm descender rope allowing the safety rope to slide through the fall arrestor until the rope ends with the Maillon connector reaches the descender hub. Release the fall arrestor device.

Visually inspect the system including the activation indicator. The system will now be reset and ready to use.



Do not hold the AH3F-KM in an open position.
Pic 4.

Always move or hold the device by the lanyard.
Pic 5.

Failure to reset the system could result in the Descent rope being too short to achieve a safe recovery to ground level.



Do not allow ropes to become tangled together or with other objects/structure. The user must have an unobstructed and clear descent path to safety.

In order to prevent the system from deploying due to excessive wind the user may anchor the S12KM safety rope at ground level or suspend a light weight from the safety rope end to prevent unwanted movement.

The system will activate if the combined weight of safety rope and additional weight exceeds 25kg.

The S12KM safety rope should remain taut at all times to assist full and free movement of the AH3F fall arrestor.

Do not allow the AH3F fall arrestor to activate on ascent as this will lift the S12KM safety rope creating a loop of slack rope which will result in shock loading the system during a fall and may cause injury to the user.

Never anchor the 10mm rope from the descender device. This rope must be able to run freely for its entire length.

If the descender rope is wound onto a drum, any braking mechanism must be disengaged prior to use and allow the drum to rotate freely and deploy the entire rope length.

FallArrescue instruction for use.

8. Connecting to the system. Please refer to the following instructions;

Guided type Fall Arrestor for use with S12KM safety rope

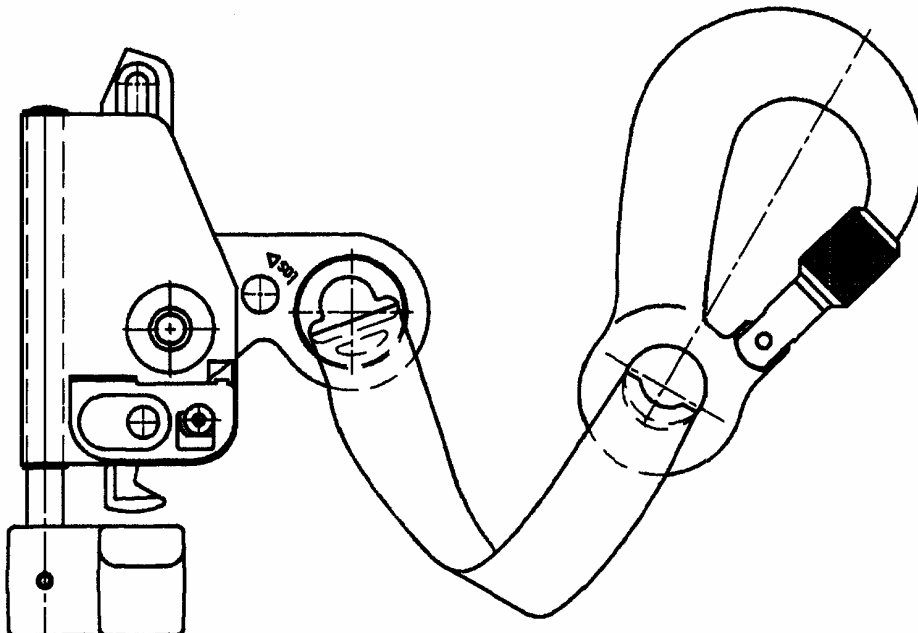
Type: AH3F-12KM-1,0-229 (only for the system "Fall Arrescue")

CE0158

EN 353-2: 2002

Instruction manual and inspection log.

Ident-Nr.:



Instructions for use

1. General information

The guided type fall arrester including moving mechanism/guidance is part of the individuals' protection equipment against fall. It consists of a Mittelman wrapped-core rope S12KM with a karabiner hook to one side and either a karabiner hook or a terminal node on the other. Further, this rope is equipped with a guided type fall arrester AH3F-12KM together with a 1m (long) fastener element. The guided type fall arrester AH3F-12KM has at the same time the function of a shock/drop absorber and an arrester gear. The usage of long cables leads to the risk of long drops or falls. With the guided type fall arrester the shortest connection to the full body harness can be achieved from the strike point through the wrapped-core rope. The impact force affecting the person, the rope and the stop mechanism when falling is reduced with the arrester gear and limited to the approved maximum value.

Note: The guided type fall arrester AH3F-12KM with 1m (long) fastener element must be used only with the Getmie Safe "FallArrescue" system.

2. Use

The wrapped-core rope S12KM is fixed with the karabiner hook to the descent rope of the descent device MRG9-2P. Open the karabiner hook as required. Release the snap lock after hooking. The hook closes automatically. Then the karabiner hook is to be locked according to its functionality. Open the guided type fall arrester. To do this, loosen the knurled screw on the back of the arrester by turning left, pushing down the locking lever at the front and opening the device. Place the opened arrester around the rope and knuckle. The locking lever snaps into place automatically. Turn the knurled screw to the right and tighten fast. Check the function of the guided type fall arrester at the wrapped-core rope S12KM as follows: pulling up the fall arrester along the karabiner hook. The arrester gear must slide up along the rope and again downwards under slow release. Now quickly pull the fall arrester on the karabiner hook downwards. The arrester must not slip downward. Open the karabiner hook according to its function off the guided type fall arrester AH3F-12KM and hook and secure into the catch lug of the arrester. The attachment point of the descent device MRG9-2P must provide a minimum bearing capacity of 10 kn according to EN 795 and must be located above the user/worker.

For security it is essential to select the location of the attachment point in a way that the fall is kept to a minimum. Examine the necessary open space below the user before each operation, so that in the case of a fall no collision on ground or another obstacle is possible. A minimum clearance of 3.0m up to the worker's feet is required.

Only one fall arrester according to EN361 may be used as a body harness in a fall arrester system.

Note: The fastener is to be protected from sharp edged objects, welding sparks or other destructive or damaging hazards.

Before first use make yourself familiar with the operation of the device. The guided type fall arrester including moving mechanism/guidance should be used only by trained and/or other competent staff, or the user should be under the direct supervision of such a person.

The guided type fall arrester including moving mechanism/guidance must be used only within the specified operating conditions and for its intended purpose. Health restrictions like e.g. heart and cardiovascular problems, use of medicine income or the like can impair the safety of the user working in heights. A plan of the rescue measures must be present, in which all possible emergencies are considered.

If the guided type fall arrester including moving mechanism/guidance is resold into another country, the seller must provide guidance for the use, the maintenance, the regular service and the repair in the language of the other country.

3. Labelling



The user/worker must read and follow the instructions!

AH3F-12KM	Type designation of the guided type fall arrester
Year of construction: XX	Manufactured in the year e.g. 10 for 2010
EN353-2: 2002	Number and year of the document corresponding the equipment
CE 0158	Identification number, DEKRA EXAM GmbH
xx - xxxxxx	Serial number of the fastener

4. Maintenance and storage

After end of work store the cleaned and dried guided type fall arrester in an airy and shady place.

During transport store the equipment in a suitable transport container (e.g. equipment bag or box)

Avoid contact with acids, corrosive liquids and oils. If this is unavoidable, clean the equipment with mild detergent and plenty of water (40°C) as soon as possible. Always dry naturally, never in the proximity of fire or other sources of heat.

For disinfection of the equipment please contact the manufacturer directly.

Please note: Follow the cleaning regulations strictly!!

5. Specifications

The guided type fall arrester including moving mechanism consists of the following materials: Polyamide rope, stainless steel guided type fall arrester, polyamide belt, aluminium or steel karabiner hook.

6. Service life

The service life depends on the individual operating conditions. Based on past experience and under normal operating conditions a shelf life time of 6 years for the ropes and 8 years for the webbing can be expected.

The manufacture year of the wrapped-core rope S12KM is registered on the shrink sleeve.

The year of manufacture for the guided type fall arrester is noted on the identification plate.

7. Control

Examine the entire equipment for wear or damages before beginning work. Examine the function of the karabiner hooks and guided type fall arrester.

Check the legibility of the labelling.

The system or the components has to be replaced immediately if there is doubt about their safe condition. The replacement must be implemented by the manufacturer or another competent person.

An examination before use does not apply to specified items designed for emergencies if these were packed or sealed by a competent person.

If necessary or at least once per year an examination by the manufacturer or any other expert is required.

Please note: Damaged parts must not be used.

Systems subject to stress by a fall are to be withdrawn from any further use and to be sent to the manufacturer or any authorised repair workshop for service and examination.

Please note: Without the prior written agreement of the manufacturer no changes or additions may be made to the product. Repairs must only be carried out by the manufacturer or a repair workshop that has been authorised by the manufacturer and complies with the methods specified by the manufacturer.

An instruction manual/data sheet is provided with each guided type fall arrester including moving mechanism/guidance. This must be readily available for inspection.

Please follow the instructions of the products used in connection with guided type fall arrester including moving mechanism/guidance, as well as the valid health and safety measures.

Certifying body:

DEKRA EXAM GmbH
Dinnendahlstraße 9, 44809
Bochum

CE0158

Stand:21.06.2010

FallArrescue instruction for use.

9. Maintenance, storage, transporting and repair.

If necessary clean component parts and ropes after use. Clean with fine fabric detergent and plenty of water (Max 40deg).

Dry the components if they have become wet during use or when cleaning. Air dry only, do not use naked flame or any other heat sources.

Store components in dry, well ventilated rooms protected from direct sunlight.

To avoid damage during storage or transportation the equipment should be stored in an equipment bag or transport case.

Avoid exposure to acids, corrosive fluids and oils. If unavoidable, please contact the manufacturer. If the equipment needs to be disinfected contact the manufacturer.

Repairs or maintenance may only be executed by the manufacturer or a person authorised by the manufacturer strictly following the instructions for repair.

10. Period of validity.

*** After every activation/use in emergency, the equipment MUST be * inspected by a manufacturer or organisation authorised to do so by the manufacturer. All inspections must be recorded.**

Devices that are used for training purposes must be inspected by the manufacturer or a competent person authorised by the manufacturer when subjected to the following:

User weight 150 kg – 5000 descent metres

User weight 100 kg – 7500 descent metres

User weight 75 kg – 10000 descent metres

If 2 persons descend simultaneously, a maximum of 320 descent metres is admissible.

The equipment must be checked by the end user prior to each use.

A visual inspection and function test should be carried out by a competent person every six months.

Annual inspection must be carried out by the manufacturer or by persons authorised to do so by the manufacturer every twelve months. This inspection must be recorded and registered with the manufacturer.

If there are any doubts as to the suitability of the system or of any of the individual components ***DO NOT USE***

Damaged devices, fall arrester or ropes may not be used.

Systems that have been stressed by a fall must be taken out of use immediately and sent back to the manufacturer for maintenance and re-testing.

Have the full system examined by the manufacturer after use in a rescue operation.

Warning: DO NOT make any modifications to this product !Exchanging components of the product is prohibited.

FallArrescue instruction for use.

11. Training.

Training must be given to end users in the safe use of the system. Training for the system may only be carried out by the manufacturer or persons authorised to do so by the manufacturer.
All training must be carried out according to the laws and regulations applicable in that country.

12. Note.

Instructions for Use/Test books are provided for each system. These documents must be readily available for inspection.

Ensure all component parts of the system are within the valid test date.

Do not use component parts that do not have valid proof and documentation accompanying them.

Only use component parts that are approved for use by the manufacturer and have been assembled by a person that is authorised to do so by the manufacturer.

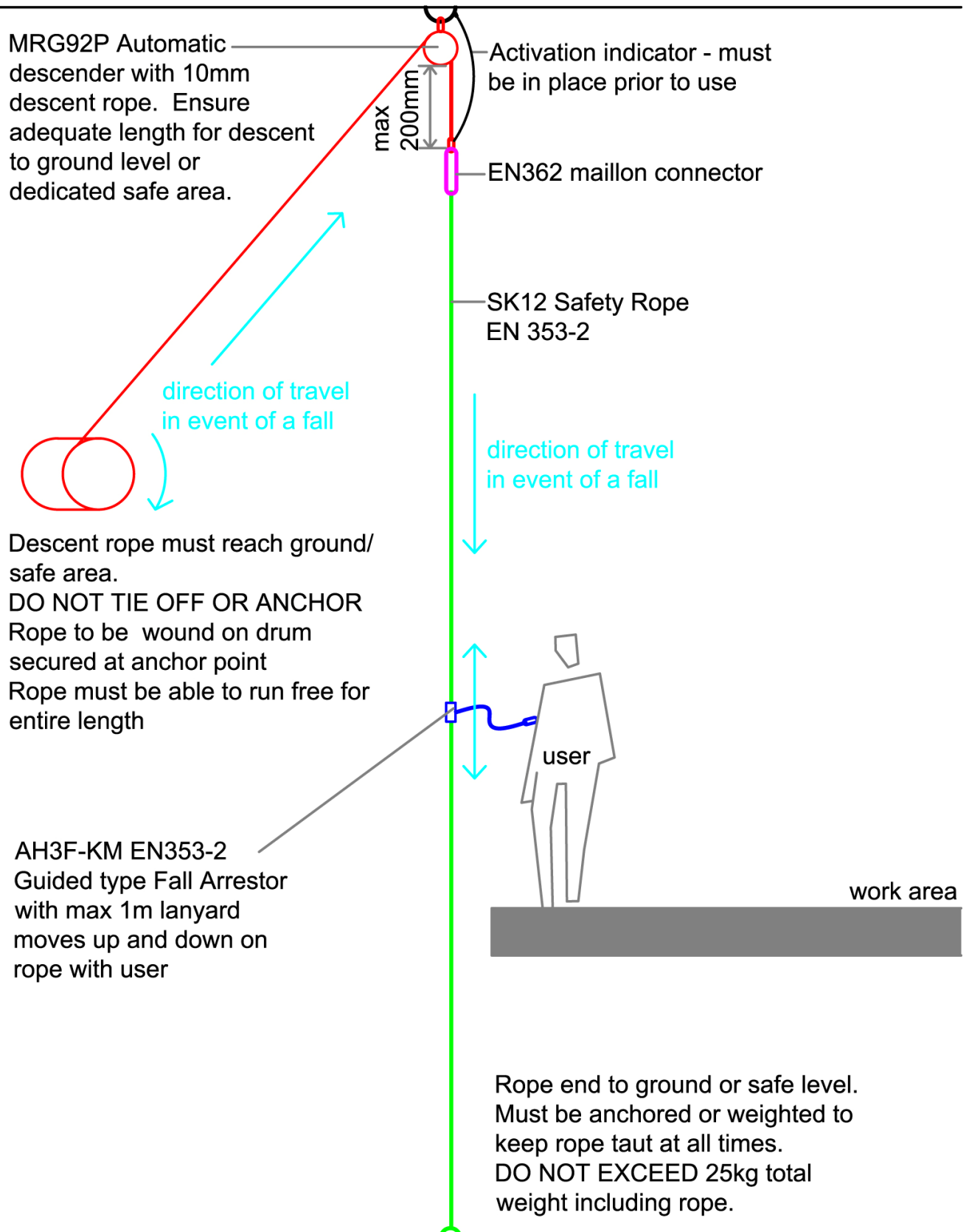
If the equipment is to be sold to another country the re-seller must provide instructions for use, maintenance, periodic inspection and repair in the language of that country.

Please also follow the instructions for use of any additional products that may be used in connection with the FallArrescue system and the accident prevention rules applicable in each case.


The manufacturer will not be held responsible for any action resulting in misuse of the system or the use of incompatible products, damaged parts or component parts that have exceeded their period of validity.

FallArrescue instruction for use.

EN 795 anchor point 10 kN




Documentation of Equipment AH3F Guided Type Fall Arrestor

Product: Getmie Safe "FallArrescue"	Device class - standard: EN353/2			
Type: AH3F Guided Type Fall Arrestor EN353/2 (ONLY FOR FALLARRESQUE)	Fabricated by Mittelmann to DIN EN ISO 9001:2000 No 4020458396-007			
				
Distributor: Apollo Cradles, 428 Carleton Road, Barnsley, South Yorkshire, S71 3HX. Tel: 01226 700079 www.apollocradles.co.uk				
Address: 12 Deanhaugh Street, Edinburgh Scotland EH4 1LY United Kingdom				
Tel: +44 (0)131 315 3100 Fax: 0560 341 3601 www: sales@getmiesafe.com				
Annual inspection and service must only be carried out by persons that are authorised to do so by Getmie Safe Ltd				
Customer:		Location:	1st Issue:	
		Date:		
Periodic inspection and repair record.				
Device No.	reason for revision (periodic inspection or repair)	detected damages executed repairs and other important information	name and signature of the competent person	date of the next inspection

Documentation of equipment

Documentation of Equipment MRG9 2P

Product: Getmie Safe "FallArrescue"	Device class - standard: A - EN 341/1993 and B EN 1496/1996			
Type: MRG9 2P Automatic descender EN341.	Fabricated by Mittelmann to DIN EN ISO 9001:2000 No. 4020458396-007			
 <p>Getmie Safe Safety Consultancy & Products</p>	Address: 12 Deanhaugh Street, Edinburgh Scotland EH4 1LY United Kingdom			
	Tel. +44 (0)131 315 3100 Fax. 0560 341 3601 www.sales@getmiesafe.com			
Distributor:	Apollo Cradles, 428 Carlton Road, Barnsley, South Yorkshire, S71 3HX. Tel: 01226 700079 www.apollocradles.co.uk			
Annual inspection and service must only be carried out by persons that are authorised to do so by Getmie Safe Ltd				
Customer:	Location:	Date:	1st Issue:	
Periodic inspection and repair record.				
Device No.	reason for revision (periodic inspection or repair)	detected damages executed repairs and other important information	name and signature of the competent person	date of the next inspection

Documentation of equipment