



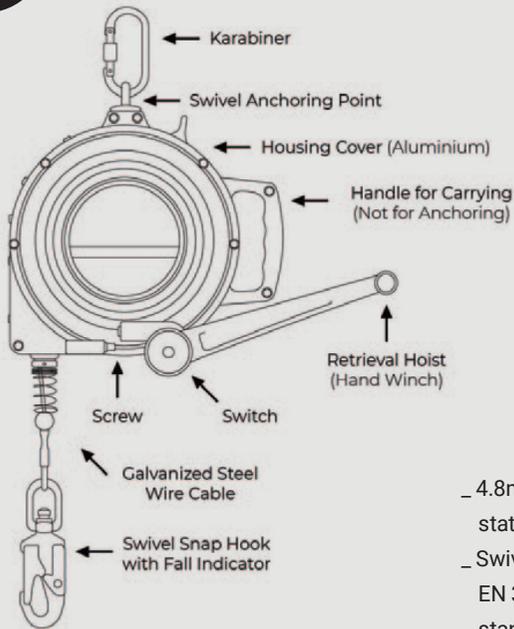
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## User's Manual v1.1

Products covered in this manual:

**AB30T · AB30RT**

# TORQ Max Retractable Fall Arrest Device and Fall Arrest Winch



- \_ 4.8mm galvanized steel wire cable minimum static strength is 12KN.
- \_ Swivel snap hook with fall indicator meets EN 362:2002 standard and ANSI Z359.12 standard.

# Application

The retrieval lifeline is part of the fall arrest system. It provides protection from accidental falls that may occur in the work environment.

If an accidental fall does occur, the automatic braking system will activate. Retrieval lifeline is equipped with a winching unit and a switch, in case of a rescue after a fall, this hand winch can easily be used to recover a casualty

quickly and safely. Please read and understand the proper procedures outlined in this user instruction manual before using the device. This device is designed for ONE person only. All persons must be properly trained and qualified before using this device. All safety guidelines and regulations must be followed during use. If proper procedures are not followed, serious injury or death may occur.

## Planning and Procedures

### 1. User

Fall arrest equipment must be used by a competent person who is authorized, qualified and properly trained. The person must be in good health with no abnormal medical conditions.

### 2. Inspection

The competent person must be able to visually and physically inspect the equipment functions before each use.

### 3. Environment

Be aware of the surrounding hazards that may affect the performance of the equipment. Corresponding safety precautions must be observed, e.g.: extremes of temperature, trailing or looping of lanyards or lifelines over sharp edges, chemical reagents, electrical conductivity, cutting, abrasion, climatic exposure or pendulum falls.

### 4. Connect to Anchorage Point

The anchorage device or anchorage point should always be positioned in order to minimize both the potential for falling and potential fall distance. You must choose a rigid anchor point location that will prevent free falls and swing falls hazards. The anchorage device or point must be placed above the position of the user. Make sure the anchor device or structural members conform to EN795:2012 with a minimum strength of 12kN and the maximum angle from the vertical device is less than 40 degree (figure 1).

### 5. Connect to Full Body Harness

For general fall protection use, attach the snap hook to rear D-ring marked with an "A" (figure 2). For situations such as ladder climbing, attach to front D-ring marked with "A" (figure 3). The full body harness must conform to EN 361:2002 standard. It

is the only acceptable full body supporting device used in a fall arrest system.

### 6. Rescue (Retrieving the User After a Fall)

Pull out the screw (1). Whilst holding the screw, push in the switch (2) which is located on the bottom cover housing, then release screw (1) (Figure 4). Rotate the handle in a clockwise to lift the user. There should be a clicking noise heard while the cable is being cranked into the unit.

### 7. Fall Clearance

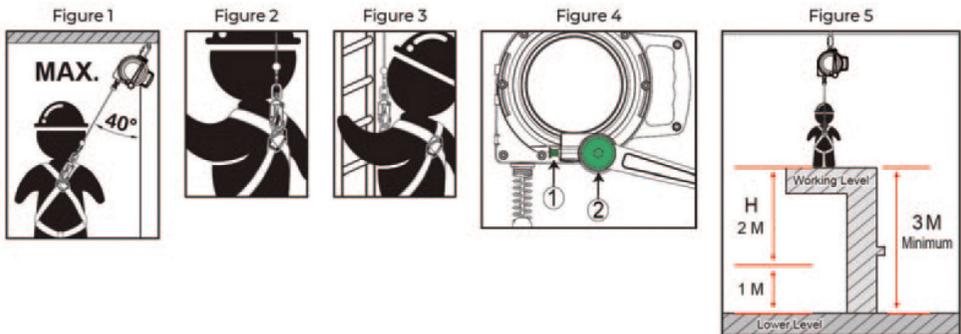
The clearance height is arrest distance H plus an extra distance of 1m, e.g. H arrest

distance 2m plus 1m totals 3m so the minimum clearance distance below the user's feet is 3m (Figure 5).

Warning! It is essential for safety to verify the free space required beneath the user at the workplace before each occasion of use, so that, in the case of a fall, there will be no collision with the ground or the other obstacle in the fall path.

### 8 Rescue Plan

Shall be in place to deal with any emergencies that could arise during the work



## Safety Information

### 1. Read

Read the instruction manual before use.

### 2. Capability

This equipment is designed for ONE person with a total weight less than 140kg. This includes any clothing/ equipment the person is carrying.

### 3. Do not misuse

This equipment shall not be used outside its limitations, such as hanging, lifting, supporting, hoist tool or other for any purpose other than that for which it is intended.

#### **4. Do not alter**

Do not make any alternations or additions to the equipment without the manufacturer's prior written consent.

#### **5. Exposure**

Do not leave the equipment for long periods in environments where corrosion or degrading the metal parts could take place (e.g. rain, fog, in direct sunlight). Keep the equipment indoors when not in use.

#### **6. Workplace**

Must consider the working environment before using this equipment, extreme heat, chemical hazards, sharp edges, electrical hazards and other climatic conditions which may cause the equipment to fail.

#### **7. Any dangers may arise by using the combination with other safety products**

Make sure the harness and connector are compliant with the manufacture's instruction and meet relevant CE standard; eg, EN361 for safety harness, EN795 for tripod system, EN353-1, EN353-2, EN354, EN355 and EN360 for fall arrester system; EN341 for rescue system; EN358 for work positioning system.

#### **8. Reselling**

If this product is re-sold outside the original country of destination, the reseller shall provide instructions manual, in the language of the country in which the product is to be used.

#### **9. Equipment**

This equipment is a personal issue item.

#### **10. Condition**

Remove the equipment from service immediately and contact the authorized company or manufacturer if there is any deficiency or doubt of the condition, e.g. wire rope damage, connector damage, housing damage, loose screws, bent connectors, any malfunction. Do not use until the equipment has been inspected by an authorized company or manufacturer, and returned with a written approval of use.

#### **11. Temperature**

This equipment can operate in temperatures between -30°C and 50°C.

#### **12. Fall**

The equipment is only designed for a single fall. If a fall occurs, remove the equipment from service immediately and contact the authorized company or manufacture for maintenance or service.

#### **13. Contact**

There should be direct or indirect visual contact or some other means of communication with the rescue at all times during the rescue process.

#### **14. Lowering**

The lowering function is only theoretically intended to lower a person over a maximum distance of 2m.

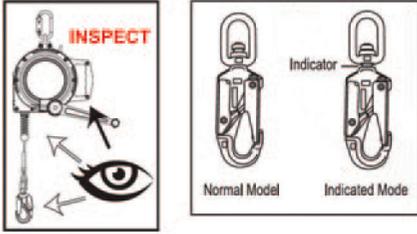
# Maintenance & Storage

- \_ Service is only conducted by an authorized company or manufacturer. If there is any doubt of the equipment, remove the equipment from the service immediately and contact the authorized company or manufacturer for service.
- \_ Clean the equipment before and after use: use mild, neutral PH soap and warm water to remove the dirt; 70% ethyl alcohol with a cloth or sponge to disinfect the equipment.
- \_ When the equipment becomes wet, either during use or during cleaning, allow the equipment to dry naturally, and keep away from direct heat sources.
- \_ When transporting by courier, sea freight or truck, store the equipment inside the original carton box.
- \_ Store the product in a covered cool area, away from the heat, light, or high humidity environment.

# Inspection

- \_ Always inspect the equipment before each use: If any of the following inspections have problems, immediately remove the equipment from service. Do not use until the problem has been fixed by an approved service company, or the manufacturer.
- \_ Check the product markings' legibility.
- \_ Check the housing cover for distortions, cracks or other damages. Inspect the housing for screws that may be loose, bent, or damaged.
- \_ Inspect the snap hook and karabiner for signs of damage, corrosion, or cuts. Ensure the latch opens freely.
- \_ Hang the equipment vertically on a solid anchoring point, pull the wire cable out slowly and inspect the cable for corrosion, cuts, abrasion, burns, heavy soiling, chemical contact, irregular color, or damage. After the inspection of the entire cable is complete, slowly retract the cable back into the case.
- \_ With the cable inside the case, test the braking mechanism by hanging it vertically on a solid anchoring point. Hold the snap hook securely, and pull downwards quickly. The brake should activate, and the cable will stop. If the cable slips, do not use the equipment.
- \_ When the swivel snap hook fall indicator shows, do not try to reset it. A red band will be visible as shown in the diagram. Contact the authorized company or manufacturer for service (figure 5).

Figure 5



## Labels



**Product Name:**

TORQ Max

**Product Standards:**

EN 360:2002; EN 1496:2017 Class B

**European Conformity and**

**Notified Body Number:**

CE 0598

**Reference Model Number:**

Model AB30RT

**Working Length Max. Lifting Distance:**

XXM

**Max. Rated Load:**

140kgs

**Serial No. Unique number – YYXXZZZZZ:**

YY= Year of Manufacture; XX= Batch;

Number; ZZZZ = Serial Number

**Date of Manufacture:**

Manufacture Month / Year

Read and Follow Instructions Supplied by the Manufacturer

# Explanation of Markings



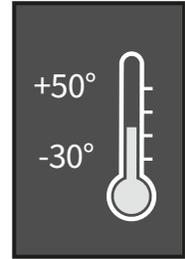
**Inspect  
equipment  
condition before  
use**



**Do not release  
the cable rapidly**



**Cabler must  
fully extend and  
retract without  
hesitation**



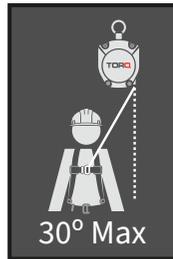
**Acceptable use  
of temperature  
range**



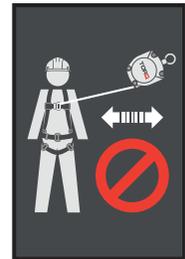
**Attach safety  
harness that  
complies with  
EN 361**



**Maximum weight  
allowed is 140kg**



**Maximum angle  
allowance is 40°  
from vertical**



**Do not work  
in horizontal  
direction**



**Keep away  
from water, oil,  
chemicals and  
electricity**



**Do not  
disassemble this  
product or repair  
yourself**



**Avoid contact  
with unprotected,  
sharp edges**



**Store the retrieval  
lifeline in a  
cool, dry, clean  
environment**

<b>Product Name/Produktname/Nombre del producto/ Nom du produit/Nome Prodotto/Productnaam/ Produktnavn/Produktnamn/Název produktu</b>	
<b>Product Code/Produktcode/Código del producto/ Code du produit/Codice Prodotto/Productcode/ Produktkode/Produktkod/Kód produktu</b>	
<b>Serial Number/Seriennummer/Número de serie/ Numéro de série/Numero seriale/Seriennummer/ Serienummer/Serienummer/Sériové číslo</b>	
<b>Date of Manufacture/Herstellungsdatum/Fecha de fabricación/date de fabrication/Data di produzione/ Productiedatum/Produksjonsdato/ Tillverkningsdatum / Datum výroby</b>	

The inspection intervals shall be set by the program administrator and shall be equal to or exceed the following inspection intervals recommended by Abtech Safety. (Documentation of the equipment inspections shall be maintained by the program administrator.)

<b>Type of Use</b>	<b>Type of Use</b>	<b>Detailed</b>	<b>Factory Service</b>
Infrequent to Light	Good storage, indoor, clean environment	Bi Annually	Annually
Moderate to Heavy	Fair storage, extended outdoor use, dusty environments	Quarterly	Annually
Severe to Continuous	Poor storage, harsh conditions, prolonged outdoor use, all temperatures, dirty environment	Monthly	Bi Annually

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