rock exotica
GEAR FOR THE Z AXIS

rockSteel Carabiner
Instructions for Use

M31 TL Autolock (3 stage)

M31 SL Screwlock

***Black Color**: M31 TLN & M31 SLN*

NFPA "G"
ANSI Z359.1-07
CE 0120
EN12275 EN362

WARNING!

For expert use only!

- These activities are inherently dangerous and carry a significant risk of injury or death that cannot be eliminated.
- It is the user's responsibility to obtain specific training and to use it safely. These instructions DO NOT tell you everything you need to know.
- Do not use unless you can and will understand and assume all risks and responsibilities for all damage/injury/death that may result from use of this equipment or the activities undertaken with it.
- Any device is subject to failure-carefully check before and after each use.
- You must always have a backup-never trust a life to a single tool.
- Everyone using this equipment must be given and thoroughly understand the instructions and refer to them before each use.
- You must have a rescue plan and the means to implement it. Inert suspension in a harness can quickly result in death!
- Do not use around electrical hazards, moving machinery or near sharp edges or abrasive surfaces.
- We are not responsible for any direct, indirect or accidental consequences or damage resulting from the use of our products.

rockexotica.com

rock exotica equipment LC
POB 160470
Freeport Center, F-11
Clearfield, UT 84016
USA
801 728-0630

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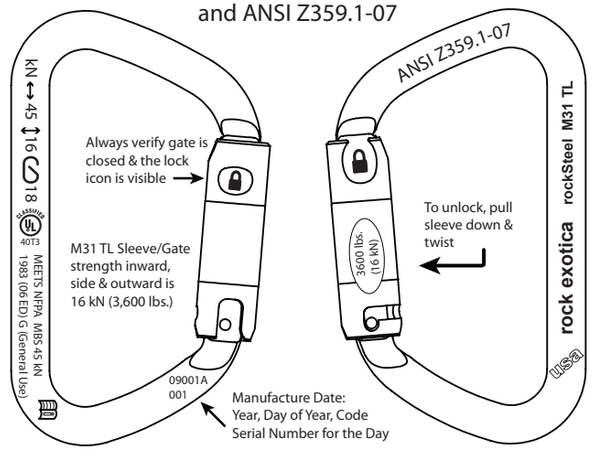
CERTIFICATIONS:

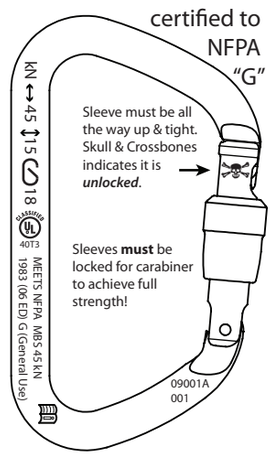
- THE M31 TL & M31 SL CARABINERS MEET THE AUXILIARY EQUIPMENT REQUIREMENTS OF NFPA 1983, STANDARD ON LIFE SAFETY ROPE & EQUIPMENT FOR EMERGENCY SERVICES, 2006 ED.
- THE M31 TL ALSO MEETS THE REQUIREMENTS OF ANSI Z359.1-2007
- EACH CARABINER IS INDIVIDUALLY PROOF LOADED TO 16kN IN ACCORDANCE WITH ANSI Z359.1-2007
- CARABINERS ARE ALSO CE CERTIFIED TO EN12275 & EN362

Designed and manufactured in the USA using domestic and foreign materials

M31 TL Autolock is certified to both NFPA "G" and ANSI Z359.1-07



M31 SL Screwlock is certified to NFPA "G"



CE Certification is Labeled on the Back of the Frame

SPECIFICATIONS

Gate Opening
1.2" (30mm)

Weight (Autolock)
8.8 oz. (246 gm)

Weight (Screwlock)
8.1 oz. (226 gm)

Overall Size
2.95" x 4.9"
(75mm x 125mm)

Sleeve Diameter
.7" (17.8mm)

Frame Diameter
.44" (11mm)

Principal Materials
Alloy Steel, Plated

! Mandatory Carabiner Procedure !

There have been serious accidents resulting from carabiners that the user thought were locked, but were not. Never assume autolock carabiners lock on closing - always confirm!

You must understand how the sleeve works and know what it looks like when it is locked and unlocked.

You must faithfully do the following **every time** you clip a carabiner:
1. **Visually** confirm the carabiner is locked.
2. **Push in** on the gate/sleeve to confirm by touch that it is locked.

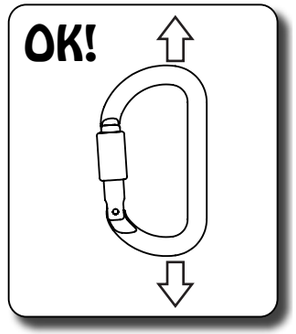
Do not allow ropes or objects to rub or twist the sleeve because this could unlock it. Vibration can also unlock a sleeve. Regularly check that the carabiner is locked and positioned properly and always do so if items contact it or anything unusual occurs. If the biner cannot be kept in sight, use something else, such as a screwlink. Carabiners should be doubled-up when possible.

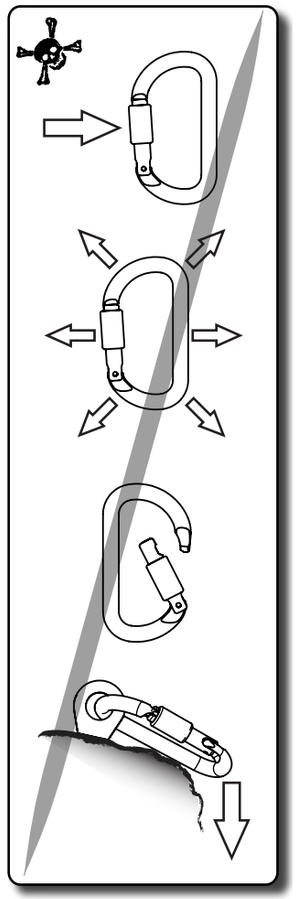
Emergency Services Auxiliary Equipment in Accordance with NFPA 1983-2006 M31 TL Autolock Also in Accordance with ANSI/ASSE Z359.1-07

Stay Up To Date!

Regularly go to our website and read the latest user instructions.

CLASSIFIED UL 40T3





CE 0120

EN Type & Classification is marked on the back of the frame:
EN 362: 2004 - Connector
EN12275 - Locking Carabiner
Type B (Base)
Type K (Via Ferrata) **M31TL Only**

Notified body which performed EC type examination: VVUU, a.s., notified body No. 1019, Pikartska 1337/7, Ostrava-Radvanice, Czech Republic.

Notified body controlling the manufacturing of this PPE: SGS United Kindom Ltd. (CE 0120), 202B Worle Parkway, Weston-super-Mare, BS22 6WA UK.

Intended Use

This Personal Protective Equipment (PPE) is used to connect two or more pieces of equipment together. It can be used in Personal Fall Arrest Systems (PFAS), work positioning, restraint and rescue systems. It can also be used for climbing and mountaineering. It is intended for use by medically fit, specifically trained and experienced users.

Limitations On Use

It is impossible to imagine all the ways this equipment can be misued. It must be used only for the specific purpose it was designed for; it must not be used for any other. Only the loading in the "OK" box is allowed.

Loading & Force

Carabiners achieve full strength only when loaded near the back of the frame. Any other position reduces its strength. Strength will also be reduced by wide webbing or clipping over large objects.
Carabiners must be able to move freely & stay properly aligned with the load. Restraint is dangerous.

An Inward Force on the Gate is Very Dangerous

Because the sleeve can be broken, causing catastrophic disconnection. This can result from a descent device, anchor, buckle or other object levering against the gate.

Compatibility

A connector must only be connected to compatible components, such as approved anchorages and lanyards. Incompatible connections can cause detachment, breakage or reduce safety. You must determine if combinations of components and/or subsystems are compatible – never use if they could adversely affect or interfere with safe functioning of each other or other components.
Carabiners must never be connected to each other or to snaphooks.

Inspection Before & After Each Use

Check all parts for cracks, deformation, corrosion, etc. Verify that the gate and sleeve close and lock and function properly in every respect. The Keylock slot must not be blocked by foreign matter and the sleeve function must not be impaired by dirt, ice, corrosion, etc.

Inspection During Use

Regulary inspect and monitor your system. Regularly confirm your carabiners are locked and positioned properly with respect to your other gear.

Responsibility

Thorough and specific training is absolutely essential before use.
Being at height is dangerous and it is totally up to you to reduce the risks as much as possible - but the risks can never be eliminated.
You must personally understand and assume all risks and responsibilities of using this equipment. If you cannot or do not want to do this, do not use this equipment.

Ancorage Requirements

Anchorages selected for Personal Fall Arrest Systems must be able to sustain static loads in permitted directions of at least: (a) Two times the maximum arrest force permitted on the system when certification exists, or (b) 5,000 lbs. (22.2kN) if no certification. If more than one PFAS is attached to an anchorage, the above strengths in (a) and (b) shall be multiplied by the number of PFAS attached

Additional Ancorage Requirements

The anchor should normally be above the user's position and conform to the applicable standard. You are responsible to verify the suitability of this equipment and your anchor and other gear with regard to government and all other other applicable standards.
The clearance under the user must be sufficient to prevent him from striking an obstacle in case of a fall (the length of the connector can influence the height of a fall)

Additional Information

For NFPA, consult NFPA 1500, Standard on Fire Department Occupational Safety & Health Program, and NFAP 1983, Standard on Life Safety Rope & Equipment for Emergency Services.
For ANSI, consult the ANSI/ASSE Z359.1-2007 Standard.

rock Steel

Lifetime

10 years maximum, but will often be much less depending of conditions and frequency of use; it could even be a single use in extreme cases. Moisture, ice, salt, sand snow chemicals & other factors can prevent proper operation or can greatly accelerate wear.

Retire from Service & Destroy if the Equipment:

1. Arrests a fall or is significantly loaded.
2. Does not pass inspection or there is any doubt about its safety.
3. Is misused, altered, damaged, exposed to harmful chemicals, etc.
Consult the manufacturer if you have any doubts or concerns.

Maintenance & Storage

Clean if necessary with fresh water, then allow to dry completely. Light surface corrosion may be removed with a wire brush (no power tools). Heavy corrosion requires retirement.
A light lubricant may be applied if needed.
Store in a dry place away from extremes of heat and cold and avoid exposure to chemicals.

Repairs to Equipment

Are only allowed by the manufacturer or those authorized in writing by the manufacturer.

Detailed Inspection

In addition to inspection before, during and after each use, a detailed inspection by a compentent inspector must be done at least every 12 months or more frequently depending on amount and type of use. Keep a record of these inspections. Make a copy of these instructions and use one as the permanent record and keep the other with the equipment.
It is best to issue new equipment to each user so they know its entire history.

PURCHASE RECORD	
Model	
Complete Batch #	
Year of Manufacture	
Purchase Date	
Date of 1st Use	
User	

DATE	CONDITION	INSPECTOR