

# PRESENTS

## RONIN MR400 ASCENDER W HARD CASE

ART. NR. 40002



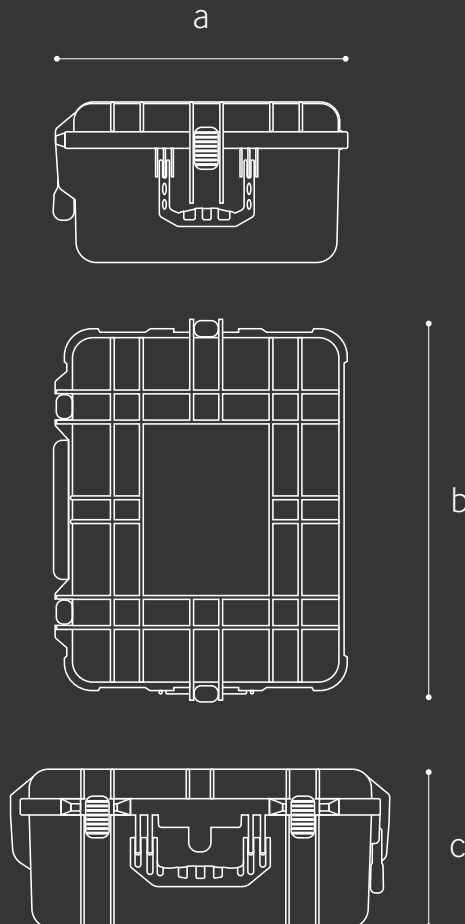
MR400 – A battery operated Power Ascender out of the ordinary.  
The ascender is delivered in a protective Hard Case together with a battery and a charger.

MR 400 means Multiple Ropes – 400 lbs (181 kg).  
The ascender can handle different ropes with a diameter of between 10 mm-13 mm and is certified to handle 181 kg.  
To reach an optimal use of the machine CE EN1891/EN564-classed Kernmantelropes with low elasticity should be used.

The ascender is supplied with a battery and charger, contained in a Mr Ronin Hard Case.

### PRODUCT LIST:

- 1 hard case with wheels and extensible handle.
- 1 Ronin MR400 Ascender
- 1 Battery
- 1 Charger
- 1 Charger cable type A, C, G



## MEASURE

a: 450 mm (17.7 in)

b: 585 mm (23 in)

c: 265 mm (10.4 in)

Weight incl. the Lift: 20 kg (44 lbs)

Strengths: Robust, Gas- and Waterproof (IP 68)

## DESCRIPTION

A Ronin ascender supplied in a well thought-out case. The machine is the lightest in the market with that capacity. It weighs only 9 kg (11 kg with battery). It is quick and easy to use. The batteries are exchanged easily and safely also during use a height.

The Ascender is certified for a maximum weight of 400 lbs/181 kg, but with the right rope it can lift 250 kg e.g. in a rescue situation. As a safety measure, there is an automatic overheating device which stops the motor if it is overheated. After a short rest it can be run again. We recommend, however, that during regular conditions, you work in accordance with the certification of the ascender – maximum 400 lbs/181 kg – so as not to damage it.

The throttle lever for going up or down, a continuous scroll switch, is adjusted with your thumb. Controlled lowering without the help of the motor can be done manually with a mechanical friction brake.

A Ronin ascender grabs hold of the rope through letting it be wound 2,5 times around a driving axis. This means that a Ronin ascender can lift more weight than others throughout time when using muddy ropes. Other ascenders grab rope with the help of blade wheels. It is not unusual that ropes full of e.g. concrete dust, wear these blade wheels down, which results in high costs for service and spare parts. Those using a Ronin ascender will not have to experience that.

### ROPES TO BE USED IN THE ASCENDER:

EN 1891 and EN 564

Aramid or core jacket ropes

2-3 % elasticity is recommended (the lower the better).

As the rope passes through the ascender with its end at start-up there are certain demands. The end of the rope should be rounded and without shrink-wrap marking or tape. The end of the rope should be similar to a tip of an index finger.

This product contains an ascender with battery and battery charger, safely stored in a protective case. This Hard Case makes it easier not only for transportation between workplaces, but also when your equipment should be sent somewhere else with an external forwarder. Negligible risk of external influence during transport.

### PRODUCT DESCRIPTION

\*1 hard case with wheels and extensible handle.

\*Cut out foam with room for:

1 Ronin MR400

2 batteries

1 battery charger

1 Petzl ASAP

1 Petzl Absorber complete with carabines

6 or 8 carabines (depends on whether you have Absorber with carabines in your case).

In the lid of the case there is a storage box for directions for use and other manuals





## SPECIFICATIONS

### METRIC SYSTEM:

Rope Diameters	10 – 13 mm
Rope Type	Aramid or Kernmantle Sheath
Ropes Specs	EN1891 or EN564
Rope Elongation (elasticet)	2 - 3,3%
Ascender Capacity	181 kg
Ascent Speed	Variable 0.3 – 0.75 m/s
Descent Method	Gravity Feed with manual brake
Descent Speed	2.4 m/sec max (Q 181 kg)
Weight Lift	9 kg
Ingress Protection (IP)	IP54
Product Approvals	CE and ANSI
Battery Weight	2.9 kg
Battery Re-Charge time	2.5 hour
Operating Temp.	-15 C - 57 C
Battery Life Ascent Temp Range 20C - 40C	
(91 kg)	259 m
(181 kg)	137 m
Battery Life Ascent Temp Range 0C - 20C	
(91 kg)	152 m
(181 kg)	76 m
Battery Life Ascent Temp Range -20C - 0C	
(91 kg)	76 m
(181 kg)	54 m

### IMPERIAL SYSTEM:

Rope Diameters	10 – 13 mm
Rope Type	Aramid or Kernmantle Sheath
Ropes Specs	EN1891 or EN564
Rope Elongation (elasticet)	2 - 3,3%
Ascender Capacity	400 lbs
Ascent Speed	Variable (1.0 – 2.5 ft./sec)
Descent Method	Gravity Feed with manual brake
Descent Speed	8.0 ft./sec max (Q 400 lbs)
Weight Lift	Approx 20 lbs
Ingress Protection (IP)	IP54
Product Approvals	CE and ANSI
Battery Weight	6.5 lbs
Battery Re-Charge time	2.5 hour
Operating Temp.	5 F - 135 F
Battery Life Ascent Temp Range 20C - 40C	
(200 lbs)	849 ft
(400 lbs)	449 ft
Battery Life Ascent Temp Range 0C - 20C	
(200 lbs)	498 ft
(400 lbs)	249 ft
Battery Life Ascent Temp Range -20C - 0C	
(200 lbs)	249 ft
(400 lbs)	177 ft

## PRODUCT IMAGES



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