



PRESENTS

RONIN MR400 ASCENDER

ART. NR. 40001



MR400 – A battery operated Power Ascender out of the ordinary.

MR 400 means Multiple Ropes – 400 lbs (181 kg).

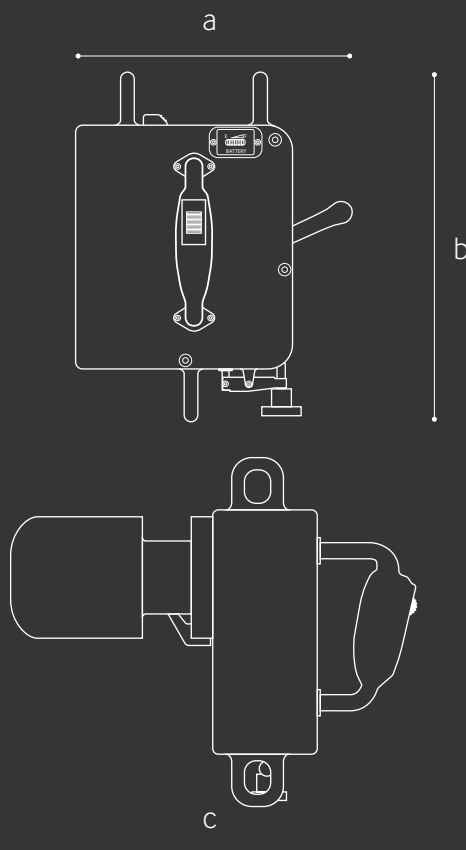
The ascender can handle different ropes with a diameter of between 10 mm-13 mm and is certified to handle 181 kg.

To reach an optimal use of the machine xxx-classed xxx with low elasticity should be used.

The ascender is delivered in a protective cardboard box together with a battery and a charger.

PRODUCT LIST:

- 1 Ronin MR400 Ascender
- 1 Battery
- 1 Charger
- 1 Charger cable type A, C, G



MEASURE

a: 26 cm (10.32 in)

b: 34 cm (13.25 in)

c: 38 cm (14.86 in)

Weight Lift: 9 kg / 20 lbs (11 kg / 24 lbs incl. battery)

Ascent Speed - Up: Variable 0.3 - 0.75 m/s (1.0 – 2.5 ft./sec)

Descent - Down: Variable 0 - 2,4 m/s (0 - 8 ft./sec)

DESCRIPTION

The machine is the lightest on the market. It weighs only 11 kg with battery. It works at its best with ropes with 2-3 % elasticity. It is quick and flexible to use. The batteries are changed easily and safely also when used at 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 recommender (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.

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1 Ronin MR400 Ascender

1 Battery

1 Charger

1 Charger cable type A, C, G





SPECIFICATIONS

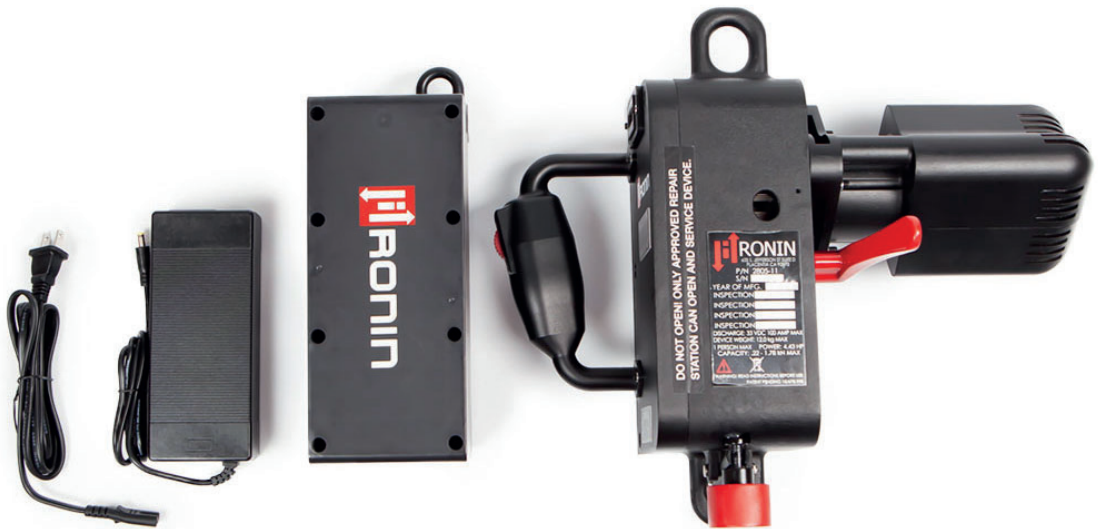
METRIC SYSTEM:

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



CONTACT

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