

IAS-ANZ



Designed and manufactured in Australia

## SINGLE ROPE TECHNIQUE EQUIPMENT [SRTE]

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## SRTE Rappel Racks

Thankyou for selecting SRTE **Rappel Racks** to complement your system. We at SRTE are confident that you will be happy with your acquisition. If you have any questions or product suggestions, relating to this or any other product in our range, please do not hesitate to contact our Customer Service Centre at the above address.

SRTE **Rappel Racks** can be used for a number of different purposes including extra long descents where friction can be added or subtracted during the descent, to compensate for heavy or wet ropes, enabling the operator to control the rate of descent with precision and safety. SRTE **Rappel Rack** can be used with Single or Double Rope up to 13mm. Safety has been built into all SRTE **Rappel Racks** from the style of the frame to the shape of the bars. The unique style of the FRAME ("U" shape) evenly distributes weight on both sides of the rack, eliminating distorting if shock loaded. The Bars (solid bars) while simple in appearance prevent the operator from threading the Descender incorrectly as they do not lock onto the frame.

### HOW TO USE YOUR SRTE RAPPEL RACK

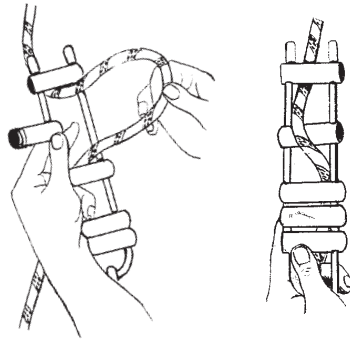
This instruction sheet is not a fully comprehensive instruction manual.

Contact TRAC INTERNATIONAL on (61) 0418 674 678 for information on SRTE approved Training Courses.

Attach the SRTE **Rappel Rack** to your SRTE Sit Harness using a Karabiner with the fixed side of the swinging bars on the SRTE **Rappel Rack** on the left, this will ensure that the rope will be threaded correctly. It may be necessary to use 2 Karabiners to get the SRTE **Rappel Rack** in the correct position for descending (your SRTE **Rappel Rack** should be positioned no higher than your shoulders to minimise the risk of hair/clothes being caught in the SRTE **Rappel Rack**).

#### A – BEFORE YOU START

1. Attach your SRTE **Rappel Rack** to your SRTE Harness
2. Pivot swinging bars open.
3. **THREAD ROPE** – with a bite in the rope push it between the two fixed Bars and loop the bite over the swinging bar.
4. The weight of the rope will close the swinging bar.
5. Start from the top and thread all the way to the bottom (remember if there is too much or too little friction you can always vary it accordingly while rappelling).
6. Be sure to remove slack between you and the anchor point.
7. **TEST DESCENDER** to make sure you have threaded it correctly and that Descender is working properly. Do not vary friction setting.



RIGHT

Correct method of threading your SRTE **Rappel Rack**.  
Notice how the rope pushes the bars closed.

#### PRODUCT SPECIFICATIONS AND TEST DATA

**Construction** – Only the highest grade Extruded Aluminium & Stainless Steel used. SRTE **Rappel Racks** will not twist or damage the rope in any way under normal use, giving your rope a much longer life. **Test Data** – TEST 1: BODY STRENGTH TEST – 11mm Static Kernmantel Rope was threading through all bars and Locked off. Load was gradually increased TEST 2: BAR STRENGTH TEST – A direct sideways pull TO ONE OF THE Bars on the SRTE **Rappel Rack**. Load was gradually increased. **Results** – Refer to individual specs.

Model	Weight	Length	Width	Thickness	Body Strength	Bar Strength	Rope Range
DR6 – 6 Bar Rappel Rack	742g	260mm	55mm	21mm	5000kg	3000kg	9-13mm
DR5 – 5 Bar Rappel Rack	640g	3260mm	55mm	21mm	5000kg	3000kg	9-13mm
DR4 – 4 Bar Rappel Rack	527g	150mm	55mm	21mm	5000kg	3000kg	9-13mm
DR3 – 3 Bar Rappel Rack	290g	150mm	55mm	21mm	5000kg	3000kg	9-13mm

**Caution:** All SRTE **Rappel Racks** are safe devices if used correctly. However it is the obligation of the operator to determine whether or not each item is suited for its intended use. In no event shall liability extend beyond the replacement cost of any item. However no responsibility is implied or assumed for any accident or injury caused or related to its correct use or otherwise. It is recommended to have a second safety belay when using this equipment and always use low separate anchor points. The manufacturer recommends not to exceed 300kg as different ropes and conditions can reduce rope strength immeasurably.

**Guarantee:** All products manufactured by SRTE are guaranteed against defects in material and workmanship. Any warranty claims will be assessed and if appropriate, we will repair or replace at SRTE's discretion. SRTE will not repair merchandise which has been altered in any way. **NOTE:** Warranty void for non-factory adjustment and all freight charges in these cases are the responsibility of the customer.

## B – DESCENDING

1. Top Hand (balance hand) should hold the body of the SRTE Rappel Rack
2. Bottom Hand (Speed Control Hand) should have firm hold of the Tail End of the Rope.
3. CAUTION: Do not descend at a rate that will cause overheating, if your Top Hand (Balance Hand) is getting hot – SLOW DOWN – DO NOT STOP as the heat from the Descender may put a weak spot in the rope.

## C – INCREASING FRICTION

Using any or a combination of the following we increase friction. The more distance between the bars, the less friction. The Less distance between the bars, the more friction.

1. Wrap the rope 360° around the bars.
2. Push the bars UP with your thumb.
3. Pull the Tail End of the rope up and over the first bar (this makes locking off & unlocking easier).

## D – LOCKING OFF

1. LOCKING OFF – Bring the Tail End of the rope up and between the head of the Descender and the incoming rope. Place a half hitch over the head of the Descender.
2. Alternatively pass the Tail End of the rope around your back before locking off – this makes UNLOCKING easier as you have more control over the Tail End of the rope.
3. UNLOCK – Using a firm grip remove the Tail End of the Rope from between the head of the Descender and the incoming rope – never let go of the tail end of the rope.
4. Descend when ready.

## E – CHANGE OVERS

*Descending to Ascending*

1. Lock off SRTE Rappel Rack
2. Attach SRTE Ascenders
3. Remove SRTE Rappel Rack
4. Ascend

*Ascending to Descending*

1. Attach SRTE Rappel Rack and Lock Off
2. Remove SRTE Ascenders
3. Unlock SRTE Rappel Rack
4. Descend

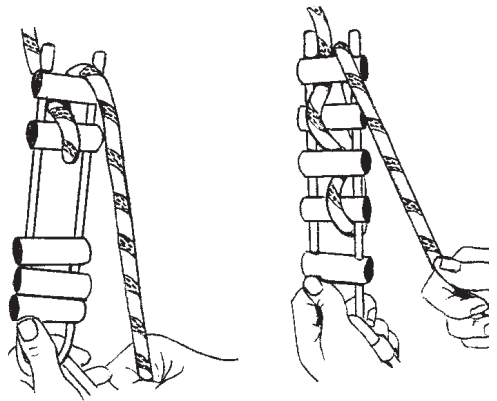
## F – ROTATING / REPLACING / ADDING BARS

To prolong the life of your SRTE Rappel Rack periodically rotate the Bars

1. To unscrew the end caps first remove the Split Pins.
2. Using a punch, pop out the Split Pins – DO NOT LOSE – you will re-use.
3. Unwind the Caps in an anti-clockwise direction – DO NOT LOSE – you will re-use. Mark caps (they are not interchangeable).
4. Gently squeeze the body of the rack to make sliding the bars off/on easier.
5. Lower Bars may become Top Bars and vice-versa.
6. Fixed Bars may be used on both sides – swinging bars may only be used on ONE SIDE.
7. As bars become excessively worn (i.e. 1/2) discard and replace.

## G – MAINTENANCE

1. WASH – in clean water only if gritty.
2. Prolong the life of your Rappel Rack by rotating the bars (see 'F' above).
3. If bars become excessively worn discard bar (i.e. 1/2).
4. If body appears stressed discard unit.
5. Some Quality Systems require items to be returned to the manufacturer for periodic service – please contact our Customer Service Staff before returning your SRTE Rappel Rack.



Example of how to vary the friction to suit your needs  
Note: Rope must pass through a minimum of two (2) bars  
(can be adapted to suit all models)

