

# BUSHRANGER

4x4 GEAR



KINETIC ROPE



# WARNING INCORRECT USE MAY RESULT IN INJURY OR DEATH!

Vehicle **OCCUPANTS** and **BYSTANDERS** have been **KILLED** by flying projectiles (such as tow balls) when recovery straps and Kinetic Ropes have been attached incorrectly.

**NEVER** attach recovery straps or Kinetic Ropes to vehicle fittings such as tow balls, tow bars, tie-down points or tow hooks.

**ONLY** attach recovery straps and Kinetic Ropes to an **APPROVED** recovery point/device that is suitably rated for use with the strap or Kinetic Rope.

**BEFORE** attempting a vehicle recovery all passengers must exit the vehicles and stand as far away as possible.

1. Warning – The Kinetic Rope is designed as a snatch type motor vehicle recovery device. Always follow product instructions. It is important to use the correct method to attach the motor vehicle recovery Kinetic Rope to a motor vehicle. Standard tow balls or vehicle tie-down points are not designed for this purpose and such usage may result in the Kinetic Rope or a vehicle component detaching from the motor vehicle, striking and seriously injuring or killing a person. Only attach the Kinetic Rope to a vehicle recovery point or device that is suitably rated for use with the rope (e.g. Bushranger recovery hitch rated to 5000kg). Incorrect use has previously resulted in serious injury and death.
2. Persons intending to use the Kinetic Rope should consider completing a nationally recognised four-wheel drive training course or contact a four-wheel drive club for comprehensive advice on the proper selection and use of the recovery ropes and straps.
3. The minimum breaking strength of the Kinetic Rope should be between 2 and 3 times the vehicle's gross vehicle mass (GVM) of any vehicle it is used with.
4. The Kinetic Rope must be suited to the gross vehicle mass (GVM) of the lighter of the 2 vehicles used in the recovery process.
5. The Kinetic Rope must not be used for lifting or conventional towing.
6. Prior to using the Kinetic Rope, ensure that the rope is not damaged and is in a usable condition. Damage may include frayed material, loose stitching, cuts, abrasions, knotting and chemical damage. If, under inspection, the Kinetic Rope exhibits any of the above, discard immediately.
7. Note: The Kinetic Rope strength and stretch are significantly reduced when the strap is saturated with water.
8. An item such as a Bushranger recovery damper, heavy bag, blanket or similar **must** be draped over the Kinetic Rope during its use to reduce unintentional rebound of the rope.

Before attempting the vehicle recovery, passengers of the vehicles involved must

- i. Exit the vehicles and
  - ii. Stand as far away from the vehicles as possible, (at least 1.5 times the length of the upstretched rope) and
  - iii. Never situate themselves in the path of the vehicle performing the recovery.
9. Never exceed the minimum breaking strength (MBS) of the Kinetic Rope, the vehicle recovery point or the working load limit (WLL) of the shackles.

## Definitions:

'Minimum breaking strength' for a motor vehicle recovery strap or rope, means the minimum load necessary to cause the strap or rope to fail.

'motor vehicle recovery strap or rope' means a recovery strap or kinetic rope, for attaching to a bogged vehicle to tow it clear of the bogged situation.

'gross vehicle mass (GVM)' for a motor vehicle means the maximum loaded mass of the motor vehicle as stated:

- a. On the compliance plate, registration certificate, or build plate for the vehicle; or
- b. In the handbook for the vehicle; or
- c. In documentation for the vehicle available from the vehicle manufacturer

## Specifications

Material:	Woven Nylon 66
Length:	9 meters (unstretched)
Stretch Factor:	~30%
Colour:	Grey Rope with Yellow and Charcoal Looped Ends
Capacity:	Refer to Tag on Kinetic Rope

## Safety & Inspection

- Prior to conducting a snatch recovery of a vehicle, it is mandatory that the Kinetic Rope is inspected for damage, this includes; frayed materials, loose stitching, cuts, abrasions, knots or chemical damage. If any of the above are sighted, the Kinetic Rope should be discarded.
- Check the Kinetic Rope usage chart for number of recoveries the rope has carried out.
- Kinetic Rope life = 10 recoveries (Replace Rope – It is not worth the risk!)
- Ensure both vehicles are stationary and stable prior to commencing fitment of Kinetic Rope.
- DO NOT attempt conducting a snatch recovery of a vehicle that is unstable or in a position where a vehicle roll over may occur.
- DO NOT attempt to snatch recover a vehicle on a downward slope (for risk of recovered vehicle colliding with the lead vehicle).
- DO NOT attempt to snatch recover a vehicle where the body and body components are contacting the ground. All obstructions should be cleared or an alternative recovery method should be used, such as a winch.
- Never attempt to push either vehicle during a snatch recovery.
- Only use rated recovery points and bow shackles with an adequate rated capacity.
- Do not attach Kinetic Rope over tow ball, tow bar or bull bar.
- A snatch recovery should be performed at a steady speed, in the lowest effective gear.
- Ensure there are good communications maintained between participants and bystanders. This may be best achieved by use of UHF radios.
- Be aware that excessive recovery attempts with the Kinetic Rope over a short period of time can cause a build-up of heat in the rope and potential failure may occur.
- NEVER use a “D” or Bow shackle to connect two or more Kinetic Ropes.
- Avoid kinks and twists in the Kinetic Rope.
- Keep the Kinetic Rope clear of all sharp and hot surfaces.

- As a safety precaution, an item such as a Bushranger recovery damper, heavy bag, blanket or similar must be draped over the Kinetic Rope during its use to reduce unintentional rebound of the rope. The Kinetic Rope carry bag has been designed as an effective damper for this purpose, alternatively a BUSHRANGER damper blanket or other similar object can be used.
- When conducting a recovery, the two vehicles should be in as close to a straight line as possible. NEVER exceed the maximum steering angle of the vehicles as this significantly increases the load on the Kinetic Rope, straps and the vehicles.
- Equaliser strap(s) connected to the vehicle(s) front recovery points will distribute the load, reducing the risk of damage to the vehicle(s).
- Never drive over the Kinetic Rope as this will cause damage.
- If you have any doubts about whether the recovery procedure is within the Minimum Breaking Limit of your snatch strap, DO NOT USE IT
- Always observe instructions

## Care & Maintenance

- Do not expose the Kinetic Rope to any petroleum-based products, acids or alkaline solution.
- Never store the Kinetic Rope in direct sunlight or wet / humid environments.
- Allow 24 hours before tightly wrapping the Kinetic Rope after recovery.
- Clean the Kinetic Rope with warm (pH Neutral) soapy water and allow it to dry in the shade. Never pack the Kinetic Rope away when wet.

## The Environment

Always consider your impact on the environment. 4WDs and recovery operations may cause long term damage to tracks, particularly during wet weather.

# Kingsley Products - Warranty Policy

## 1. Our Warranty

We warrant to you that the Kingsley product is free from defects in workmanship and materials for the warranty period.

## 2. Fitting and use

Please ensure you:

- fit the Kingsley product in accordance with the product information and all relevant vehicle safety and compliance laws
- use the Kingsley product for the purpose for which it was originally designed and in accordance with the product information and all relevant vehicle safety and compliance laws

## 3. Exclusions

Our warranty doesn't cover:

- normal wear and tear
- fitting the Kingsley product other than in accordance with the product information and any relevant vehicle safety and compliance laws, including incorrect fitting
- using the Kingsley product other than for the purpose for which it was originally designed or other than in accordance with the product information and any relevant vehicle safety and compliance laws, including unusual, improper or negligent use or misuse or overloading
- misuse or neglect of the Kingsley product, including improper repair or maintenance or failing to repair or maintain
- alteration, abuse, acts of nature, terrorism, vandalism, collision, road hazards or adverse conditions

## 4. Making a claim

Please immediately contact us as soon as you become aware of a possible defect in the Kingsley product. We'll arrange for you to either attend a Kingsley outlet (at your cost) for a Kingsley representative to inspect the Kingsley product (as fitted to your vehicle) or for you to return the Kingsley product to us. We'll also request you to provide the purchase receipt and complete a warranty claim form. In order to ensure our warranty is not voided, please keep the purchase receipt as proof of purchase and don't remove the fitted Kingsley product from your vehicle before contacting us. If your claim's in order, we'll notify you and (at our sole discretion) either repair or replace the defective workmanship or materials (at our cost) or refund to you the purchase price you paid for the defective Kingsley product. If further information or investigation is required or if the claim does not meet the requirements under our warranty, we'll let you know.

## 5. Australian Consumer Law

The Kingsley product comes with guarantees that can't be excluded under the Australian Customer Law. You're entitled to a replacement or refund if there's a major failure and compensation for any other reasonably foreseeable loss or damage. You're also entitled to have the Kingsley product repaired or replaced if it fails to be of acceptable quality and the failure doesn't amount to a major failure.

## 6. Other consumer rights

The benefits to you under our warranty are in addition to any other rights and remedies you are entitled to under relevant consumer laws. Our warranty replaces any other warranty given by Kingsley or its supplier in respect of the Kingsley product.

## 7. Terms

The following terms have the following meanings:

Term	Meaning
Product information	information about the Kingsley product which may be contained in any of the documentation provided with the Kingsley product, including safety instructions, installation instructions, operating instructions, owner's manual, service manual, labels and packaging
Purchase date	the date you purchased the Kingsley product from a Kingsley outlet, as specified in the purchase receipt
Kingsley outlet	an outlet authorised by Kingsley to sell Kingsley products
Kingsley products	products or components which Kingsley manufactures or sells through Kingsley outlets
Warranty period	commences on and from the purchase date and ends as follows: <b>Kinetic Rope - 5 years</b>
We/Us	Kingsley Enterprises Pty Ltd (ABN 23 001 592 749) E: sales@bushranger.com.au A: 6A Brooks Road, Ingleburn NSW 2565 P: 1800 654 767 W: www.bushranger.com.au
You	the purchaser of the Kingsley product from a Kingsley outlet

# **BUSHRANGER**

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[bushranger.com.au](http://bushranger.com.au)



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