

BUSHRANGER

4x4 GEAR



SNATCH STRAP

MOTOR VEHICLE RECOVERY



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 have been attached incorrectly

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

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

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

1. Warning – always follow product instructions. It is important to correctly attach the motor vehicle recovery strap to a motor vehicle. A standard tow ball or vehicle tie-down point is not designed for this purpose and may result in the strap or a vehicle component detaching from a motor vehicle and striking and seriously injuring or killing a person. Only attach the strap to a vehicle recovery point or device that is suitably rated for use with the strap (e.g bushranger recovery hitch rated to 5000kg). Incorrect use has previously resulted in serious injury and death.
2. Persons intending to use the strap 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 strap.
3. The minimum breaking strength of the strap should be between 2 and 3 times the vehicle's gross vehicle mass (GVM) of any vehicle it is used with.
4. The strap must be suited to the gross vehicle mass (GVM) of the lighter of the 2 vehicles used in the recovery process.
5. The strap must not be used for lifting or conventional towing.
6. Prior to using the recovery strap, ensure that the strap is not damaged and is in a usable condition. Inspection for damage may include frayed material, loose stitching, cuts, abrasions, knotting and chemical damage. If the recovery strap exhibits any of the above, discard immediately.
7. Note: the straps 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 strap during its use to reduce unintentional rebound of the strap.
9. 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 strap) and
 - iii. Never situate themselves in the path of the vehicle performing the recovery.
10. Never exceed the minimum breaking strength (MBS) of the strap, the vehicle recovery point or the working load limit (WLL) of the shackles.

Definitions:

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

'motor vehicle recovery strap' means a strap, commonly called a snatch strap, 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:	Nylon Webbing
Length:	9 meters (unstretched)
Stretch Factor:	20%
Colour:	Webbing: Natural white Eye (Loop): Black.
Capacity:	See Tag on strap

Safety & Inspection

- Prior to snatching a vehicle, it is mandatory that the strap is inspected for damage, this includes; frayed materials, loose stitching, cuts and abrasions. (If any of the above are sighted, discard snatch strap).
- Check the strap usage chart for number of recoveries the strap has carried out.
- Snatch strap life = 10 recoveries (Replace Strap – It is not worth the risk!)
- Ensure both vehicles are stationary and stable prior to commencing fitment of snatch strap.
- DO NOT attempt to snatch a vehicle that is unstable or in a position where roll over may occur.
- DO NOT attempt to snatch out a vehicle on a downward slope (for risk of recovered vehicle colliding with lead vehicle).
- DO NOT attempt to snatch out a vehicle where the body and body components are contacting the ground. (Clear obstructions or use alternative recovery method 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 snatch straps 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 a recovery strap over a short period of time can cause a build-up of heat and possible strap failure.
- NEVER use a "D" or Bow shackle to connect two or more snatch straps.
- Avoid kinks and twists in the webbing.
- Keep the recovery strap clear of all sharp and hot surfaces.

- Always drape an item such as a BUSHRANGER damper blanket over your snatch strap while in use.
- 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 strap(s) 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 recovery strap as damage to the recovery strap will occur.
- 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 straps to any petroleum-based products, acids or alkaline solution.
- Never store strap in direct sunlight or wet / humid environments.
- Allow 24 hours to wrap up strap after recovery. Alternatively wind up loosely.
- Clean straps with warm (pH Neutral) soapy water and allow drying in the shade. (Never pack the strap 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 it's 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: Snatch Straps - 1 year
We/Us	Kingsley Enterprises Pty Ltd (ABN 23 001 592 749) E: sales@kingsleyenterprises.com.au A: 6A Brooks Road, Ingleburn NSW 2565 P: 1800 654 767 W: www.kingsleyenterprises.com.au
You	the purchaser of the Kingsley product from a Kingsley outlet

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bushranger.com.au



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International | +61 2 8700 0400

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