

LIFEGUARD®

ATV ROLL OVER PROTECTION

**ORIGINAL
FITTING
INSTRUCTIONS**



www.atvlifeguard.com

LIFEGUARD®
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LIFEGUARD®
ATV ROLL OVER PROTECTION



1. Maximum weight of vehicle that the “LIFEGUARD” is suitable for is up to 500kg and the only type of vehicle the “LIFEGUARD” can be used on is a quad bike (commonly known as an ATV)
2. Maximum and minimum dimensions for the Quad bike and its rear carrier;
Dimensions for quad bikes;
Maximum - L x W x H (cm). 250 x 140 x 130
Minimum - L x W x H (cm). 180 x 100 x 80
Dimensions for carriers;
Maximum - L x W (cm). 50 x 130 | Minimum - L x W (cm). 35 x 90
3. Torque settings for the mounting bolts;
12 Newton Metres
4. Minimum and maximum bar sizes for the carrier rack;
20mm-25mm for steel tubular racks.
All steel channel types are okay but the “LIFEGUARD” should not be fitted to plastic types
5. Depending on the positioning of the “LIFEGUARD” on the Quad and the height of the operator there could be rear quarter blind spots towards the rear of the vehicle on both sides.

A driver can reduce the size of a blind spot by:

- Installing mirrors on the quad. Mirrors should be in place, especially if a reverse gear is available, as this is a safeguard on the ATV.
- Training should be given to all operators of Quad bikes and at all times the operator must be aware of his / her surroundings.
- Do not manoeuvre the quad if you are unable to check the blind spots.

Operator training should be provided for the following:

- The operator turning their head in the direction of the obstruction allowing the driver to see better around the frame and allowing the driver a better depth perception
- The operator moving their position slightly to view around the frame.

FITTING THE “LIFEGUARD” TO THE QUAD

The “LIFEGUARD” is designed to sit on the back carrier of a quad. The weight is spread over the width of the carrier and tests have proved that the carrier is well able to support the force of a rollover. (see video on website).

In the event of an accident or rollover it is important to reposition the “LIFEGUARD” if it has moved and retighten the mounting bolts. If the carrier has been bent in the case of a bad crash it must be repaired to its original shape. Also check that all carrier mounting points below the carrier onto the quad chassis itself are secure.

FITTING TO DIFFERENT MAKES AND MODELS

There are many types of carriers with different configurations of tubing as well as plastic carriers on some makes. The mounting brackets have been designed to be able to mount the "LIFEGUARD" on most makes and models.

Position the "LIFEGUARD" on the carrier with the tension nut to the R/H side when standing behind the quad. A good position is near the back of the seat, but anywhere on the carrier will work as long as each mounting hook is fixed to a solid mounting point.

Connect the hooks to the flat bars and place them over the "LIFEGUARD" base, one at each end as per Photo. Be sure the "LIFEGUARD" is centred on the carrier. The flat bar can be swivelled at any angle so that the hooks can best connect to the carrier bars. The hooks can rotate 360° to any position.

Tighten the hooks with a torque wrench to 10ft pounds torque or 12 newton meters, which is adequate for a secure mount, over tensioning may bend the hooks or the carrier.

If it is impossible to locate the carrier bars with these mounting brackets you may need a longer flat bar or a special attachment. Please enquire to the manufacturers for this.

CHANNEL BARS IN CARRIER

Fitting to Some Models of Suzuki/ Yamaha/Can-Am

If this "LIFEGUARD" is to be fitted to a Suzuki, Yamaha or Can-Am Carrier, and needs to clamp to the channels (not round pipe) - if the hook cannot be done up tight enough, there are shorter ones available to fix this problem. Please contact us if this is the case.

It is best to have at least one hook clamped around the round tube (either at the back or front of the carrier) – not both hooked to the channel.

This is not a major issue, but ensures your "LIFEGUARD" is attached firmly, and will work to its full potential if need be.



DIFFERENT CARRIER CONFIGURATIONS FOR A GUIDE



PLASTIC CARRIERS

Can-Am & Polaris Quad Bikes with plastic carriers

The "LIFEGUARD" mounting system is not designed to attach to a plastic carrier. There are other ways & means of doing this, but they have not been tested or certified by us, and therefore not recommended, and can only be fitted at the owners risk.

RUBBER MAT

A rubber mat can be purchased as an optional extra and is good if carrying dogs. The mat fits around the "LIFEGUARD" but is cut oversize so it can be trimmed down to fit the particular carrier it is going on. The 10mm solid rubber mat can be easily cut with a sharp knife. If you have a mat already fitted we recommend it is taken off and the "LIFEGUARD" fitted to the carrier in the appropriate place. Then cut the mat to fit around it. The "LIFEGUARD" must be secured directly onto the carrier, not on top of a mat.

"LIFEGUARD" TENSION

The "LIFEGUARD" is pre tensioned correctly to 25ft lbs (or 33 newton meters) this gives the segments sufficient tension to form the arc and retain its shape, but also enough flexibility to deform and flex in the event of a rollover and if coming into contact with a person on the ground.

The "LIFEGUARD" needs to be checked regularly with a torque wrench and kept to the correct tension. The correct tension is 25ft lbs or 33 newton meters. Too much tension will harden the arc and make it less flexible and therefore harder if it comes into contact with a person.

If it has been over tensioned it is important to de tension to the correct torque setting. To do this it requires removing the cover plate and while taking up the tension on the ratchet nut with a spanner or torque wrench lift the ratchet spring and release the tension to the required amount.



FITTING NEOPRENE COVER

1. The cover is easiest to fit after the "LIFEGUARD" is secured to the quad. This holds it firm which helps while stretching the cover on.
2. Lay the cover over the "LIFEGUARD". The cover can go on either way around.
3. Connect domes on the end where the zipper starts. Stand to one side with one arm each side and snap domes on, then connect zipper.
4. Stand at the other end with one arm each side of the "LIFEGUARD" and stretch the cover over and snap on the domes.
5. Stretch each side so the zipper comes together under the segments and do up the zip. Secure toggle under the Velcro tab.
6. The Neoprene Cover has a nylon wear resistant outer covering and will stand up to rain and sun. It should be washed regularly to keep from discoloration and grime etc. If damaged new covers are available that simply zip on.



LED LIGHT BAND

Flashing LED Light band can be added at any time. Bright orange flashing LED light on both sides of the LIFEGUARD®. Being LED it can go for hours without your battery going flat.



PARTS AND PRODUCT DESCRIPTIONS

The full range of "LIFEGUARD products including replacement parts and extras

Code #	Description
LG1	Lifeguard Only & Mounting
LG2	Lifeguard & Flashing LED
LG3	Lifeguard & Rubber Mat & LED Light
Parts & Extras	
LG08	Mounting Kit - Standard
LG09	Mounting Kit - Can-Am Type
LG10	Rubber Mat - 10mm
LG12	Flashing LED Light - Light Band (no neo cover)
LG14	Spare Neoprene Cover - Black
LG14c	Spare Neoprene Cover - Camo
LG15	Torque Wrench & Sockets
LG16	3/8 x 16mm Socket - For Mtg Brackets
LG17	3/8 x 19mm Socket - For LG Tension
LG18	Torque Wrench Only
LGTG1	TyreGuardian 1L - Tyre Sealant

CARE OF YOUR “LIFEGUARD”

There is little to go wrong with the “LIFEGUARD” and it should give many years of service.

Check the tension of the arc with a torque wrench regularly which should be maintained at 25ft lbs or 33 newton meters.

Check the 4 mounting hooks are also maintained at 10ft pounds torque or 12 newton meters.

It is also advisable to remove both cover plates and spray the parts inside with CRC or a suitable lubricating oil every 6 months. Avoid getting it on the cable.

CHECK AFTER A CRASH

After a crash or rollover we advise the “LIFEGUARD” is returned to the manufacturer “Ag Tech Industries Ltd” to be checked for damage. This is unlikely to be the case as they are designed to take many rolls, but as a precaution, the same as is required for safety gear, helmets, and lifesaving equipment, it assures the owner that it is safe and being certified to continue using.

The “LIFEGUARD” will be dismantled and all components checked for wear, fractures, cord fraying etc.

The “LIFEGUARD” needs to be returned freight paid and will be checked and returned free of charge by Ag Tech Industries Ltd or an appointed agent. Also a certificate of certification will be issued if it is without damage and approved for further use. This applies to New Zealand Only.

In the UK and EU contact Handley Enterprises.

In Australia contact TIFCO Ltd.

For any other countries please contact

Ag Tech Industries Ltd NZ for details of our approved agent who can undergo a safe use inspection.

Failing to do this will mean further use of the “LIFEGUARD” after a rollover is at the owners risk and no liability will be taken for failure of the product by “Ag Tech Industries Ltd”

Ag Tech Industries Ltd Disclaimer

Use of Equipment

Purchaser acknowledges that the equipment sold herein may be dangerous if improperly used or fitted. Purchaser acknowledges that it must contact Ag Tech Industries Ltd to obtain up-to-date installation and operation manuals and other information if not included or supplied with the product to insure the safe operation of equipment.

Ag Tech Industries Ltd has no control over the nature in which equipment will be used and will not be responsible for any loss or injury resulting from use, defects or alleged defects in the equipment sold or from the subsequent use of the items and must be used only at the owners risk.

Ag Tech Industries Ltd reserves the right to undertake modifications without prior notice to the design and technical equipment at all times without this resulting in any obligation whatsoever to make such modifications to units already sold.

General Business

Ag Tech Industries Ltd information is provided without warranty of any kind.

Ag Tech Industries Ltd gives no warranties either expressed or implied, including warranties of merchantability and fitness for a particular purpose.

In no event shall Ag Tech Industries Ltd or its suppliers be liable for any damages whatsoever including direct, indirect, incidental, consequential, loss of business profits or special damages, even if Ag Tech Industries Ltd or its suppliers have been advised of the possibility of such damages.

Internet Site

The information (text and images) contained on this website is for information purposes and is published in good faith. Whilst every care has been taken in its preparation, Ag Tech Industries Ltd does not make any warranties nor representations as to its accuracy or reliability. We neither accept nor assume any reliability in relation to the contents of these pages which should not be relied upon as accurate. In no event do we accept liability of any description including liability for negligence for any damages whatsoever resulting from loss of use, data or profits arising out of or in connection with the viewing, use or performance of this website or its contents.

Ag Tech Industries Ltd do not in any circumstances accept responsibility for the accuracy or otherwise of any advertisement or message published on the Ag Tech Industries Ltd website.

WARRANTY

AG TECH INDUSTRIES LTD LIFEGUARD™ LIMITED ONE YEAR WARRANTY CONDITIONS

Ag Tech Industries Ltd warrants to the original purchaser that the "LIFEGUARD" Roll Over Protection Bar as listed below will be free of defects in material and workmanship for a period of one year from the original date of purchase.

This warranty applies only to the original purchaser of the "LIFEGUARD".

To obtain any warranty service, you must provide Ag Tech Industries Ltd with proof of purchase, such as a copy of your tax invoice or purchase receipt, which will include a purchase date and the serial number of your product. This warranty does not cover the Neoprene Outer Cover or paint finish. Ag Tech Industries Ltd will, at its discretion, repair, replace or refund the purchase price of a defective product or component, provided you return the defective product or component during the warranty period, freight charges pre paid to Ag Tech Industries Ltd or to an authorized Ag Tech Industries Ltd dealer or stockist. Attach your name, address, email address, telephone number, a description of the problem, and a copy of the tax invoice or purchase receipt listing the date of purchase and the "LIFEGUARD" serial number of the defective product. This warranty does not apply to parts or components excluded below, or if the product has been damaged by misuse, overloading, impact, modification, improper installation, or insufficient service. This warranty is void, if any "LIFEGUARD" serial number has been removed, altered, or defaced.

Any other use or application of the product other than what it is intended for on a Quad also voids the warranty.

IMPORTANT:

The neo cover must be replaced if damaged, as dust entering the segments could cause wear and cable breakage.

THE WARRANTY SET FORTH ABOVE IS THE ONLY WARRANTY. THERE ARE NO OTHER WARRANTIES.

AG TECH INDUSTRIES LTD WILL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO, PERSONAL INJURY, QUAD DAMAGE, LOST PROFITS, OR LOSS OF USE, EVEN IF AG TECH INDUSTRIES LTD WAS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

No Ag Tech Industries Ltd dealer, agent or employee is authorized to make any modification, extension or addition to this warranty.

Warranty inquiries and products returned for warranty service should be sent to:

NEW ZEALAND DISTRIBUTOR

AG TECH INDUSTRIES LTD

120 Jervois Street

Dargaville 0310

New Zealand

Phone: 0800 7823763

Phone: 09 439 7166

Fax: 09 439 8562

AUSTRALIAN DISTRIBUTOR

TIFCO Ltd

Contact: Matthew Tiplady

Email: m.tiplady@tifco.com.au

Tel: 0061 427 378040

Berwick, Melbourne, VIC. Australia

www.atvlifeguards.com

EU DISTRIBUTOR

HANDLEY ENTERPRISES LTD

Unit 1, Town Farm Workshops, Sixpenny

Handley, Salisbury, Wilts SP5 5PA, UK

Email: info@atvlifeguard.co.uk

Tel 0044 1725 552389

www.atvlifeguard.co.uk

IRELAND DISTRIBUTOR

GRASSTEC LTD

Kilpatrick, Ballyclough, Mallow

Co Cork, Ireland

Email: info@grasstec.ie

Tel 00353 2227610

www.grasstecgroup.com

PRODUCTS COVERED BY THIS WARRANTY;

LIFEGUARD (OPD)

MOUNTING BARS AND HOOKS

LED LIGHT & FLASHER UNIT

PRODUCTS EXCLUDED BY THIS WARRANTY;

PAINT FINISH OF ALL PRODUCTS COVERED BY WARRANTY.

NEOPRENE COVER

This warranty does not cover damage to the carrier or frame of the quad.

ANY INQUIRES PLEASE CONTACT US

AG-TECH INDUSTRIES

New Zealand Distributor & Manufacturer

Phone: 0064 9 439 7166

Email: info@atvlifeguard.co.nz

Web: www.atvlifeguard.co.nz

THANKS FOR PURCHASING AN ATV "LIFEGUARD"

ATV LIFEGUARD SERVICING

As with all equipment with moving parts, it is **IMPORTANT** that the "LIFEGUARD" is checked every 12 months for wear to the cords and moving parts. Also ensure that the bolts between the carrier and quad are kept tight. See your supplier for servicing information or email info@atvlifeguard.co.nz

YOUR DEALER (who you purchased your LIFEGUARD® from)



LIFEGUARD®

ATV ROLL OVER PROTECTION