

Model 31

Vehicle harness designed to restrain & support children and adult passengers with learning difficulties or challenging behaviour.



This harness is fitted with the steel safety buckle to the chest & waist straps as standard.

Fits most types of vehicle seating including **single & double** seats.

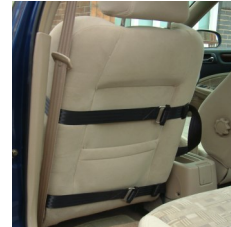
To fit the harness access is required between the seat back and seat cushion.

Model 31 is available in two sizes:

4 yrs to 11 yrs	31A
12 yrs to Adult	31B

Also available with **Horizontal** Fixing Straps for single seats without access between the seat back and seat cushion.

See Model 32
(Non stock item)

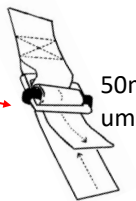


IMPORTANT: This harness is not classed as a safety harness.

The vehicle safety belt **MUST** be worn over the top of our harness unless they are exempt for medical reasons. The combination of the existing safety belt & the secondary harness offers added security for the passenger.



Vertical Fixing Strap



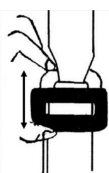
50mm Aluminium



50mm Sliplock Slide



- If fitting a brand new harness, remove any Rubber Bands & unfasten the two vertical fixing straps.
- Holding the two aluminium bar buckles (attached to the upper section of the vertical fixing straps) place the back pad of the harness against the front of the seat back & place the fixing straps up & over the seat back.
- Pass the tail ends of the two lower sections of the vertical fixing straps (on either side of the understrap) down through the gap between the seat back and seat cushion.
- The Understrap should remain lying on the seat cushion.
- Now feed the tail ends of the fixing straps up through the Aluminium Bar Buckles & pull down to tighten around the seat back as securely as possible.
- Each tail end should then be passed through the Sliplock Slide to prevent the Fixing Straps from loosening during transit.
- Unfasten the waist & chest belts & remove them from their webbing loops on either side of the chest pad.
- The chest pad is now free to be rested over the headrest. The shoulder straps may need to be extended to do this.
- Position the understrap centrally on the seat cushion.
- If the passenger is under 135cm place a booster cushion on top of the understrap to comply with child seat safety legislation.
- Position the back pad so that the waist belt will be in line with the passengers waist.
- The harness is now ready for the passenger to be seated.
- With the passenger sitting in the most upright position as possible, bring the shoulder straps & chest pad over the passengers head & position it on their chest.
- Adjust the shoulder straps to bring the bottom of the chest pad to waist level.
- Locate the waist belt (lower strap) and thread through the lower vertical webbing loops on either side of the chest pad before fastening the buckle.
- Adjust waist belt to fit tightly yet comfortably.
- Repeat with chest strap (upper strap, passing through upper loops).
- Position the buckles centrally at waist & chest level.
- Nb. The waist & chest belts can move freely through the leatherette back pad.
- Open the waist belt buckle, extend the understrap & add the comfort sleeve. Now bring the understrap up between the legs and loop it over the waistbelt buckle before refastening. Pull tail end to tighten understrap.
- Ensure that all straps are adjusted securely & comfortably.
- The Comfort Sleeves should now be added to the shoulder straps.
- Fasten the vehicle safety belt over the top of the Model 31 Harness.



Squeeze Adjuster to release webbing & extend straps.

Pull tail-ends of straps to tighten

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Steel Safety Buckle

This buckle has proven extremely successful when fitted to our harnesses as an alternative to the standard 'quick release' buckle.

It helps prevent those passengers with inquisitive fingers, challenging behaviour or learning difficulties from releasing the harness buckle.

The buckle operates in reverse to the standard vehicle buckles as it is opened by raising a spring loaded lever or over-catch and **will not press release**. The spring loaded over-catch locks the buckle when assembled and prevents accidental opening.

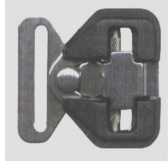
There is a knurled sliding bar for adjustment designed to prevent webbing slip.

The buckle is made from Type 316 Stainless Steel and Nylon 6 and is assembled with tamper proof screws.

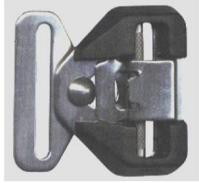
40mm buckle - B/Strain 630 kgs.

50mm buckle - B/Strain 500 kgs

We recommend that the buckle instructions provided with each harness are displayed in a prominent position in the vehicle - to instruct the user how to release the buckle mechanism in the event of an accident.



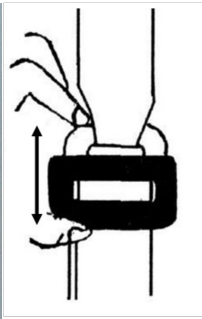
40mm Buckle



50mm Buckle



40mm Adjuster Buckle



To Extend Straps

The 40mm Adjuster is slightly spring loaded to lock the webbing into position.

To release the webbing you need to squeeze the Adjuster whilst pulling on the lower webbing strap.



To Tighten Straps

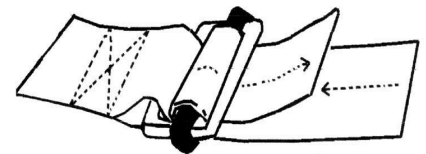
Simply pull the tail-end of the webbing strap.

The Adjuster will lock the webbing into position

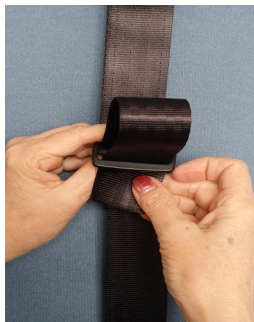
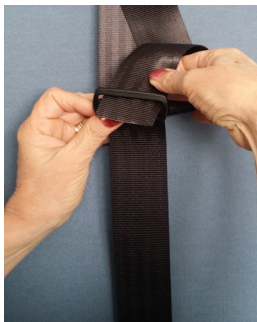
50mm Aluminium Bar Buckle



Webbing is threaded through the sliding bar buckle



Sliplock Slide



Loose ends of webbing are often passed back through these slides to prevent slippage & to prevent the Fixing Straps from loosening during transit.



Emergency Seat Belt Cutter

We strongly recommend that a seat belt cutter is kept in the vehicle as a safety precaution for those harnesses fitted with a Steel Safety Buckle.

It is perfectly safe as the blade is encased.

Cat. Ref: SK