

# Model 31

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

The **Model 31** is a Vehicle harness designed to provide postural support for children and adult passengers with learning difficulties or challenging behaviour. This harness is fitted with the steel safety buckle to the chest and waist straps as standard, fits most types of vehicle seating including single and double seats.

Available in two sizes and two fixing strap options:



- ☐ **31A** - 4 years - 11 years
- ☐ **31AUPG** - 4 years - 11 years  
(With upgraded fixing straps)



- ☐ **31B** - 12 years - Adult
- ☐ **31BUPG** - 12 years - Adult  
(With upgraded fixing straps)

**Please note: To fit the harness access is required between the seat back and seat cushion.**

## 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. The 40mm buckle has a Breaking Strain of 630 kg.



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

The vehicle safety belt **MUST** be worn over the top of our harness unless exempt for medical reasons.

The combination of the existing safety belt & the secondary harness offers added security for the passenger.

**For non UK use:** Please ensure you check and are compliant with your own countries regulations/laws for child seat and harness use.

**Crelling Harnesses For Disabled Ltd.**

12 Crescent East, Thornton-Cleveleys, Lancashire, FY5 3LJ

Tel: 01253 852298, Email: [info@crelling.com](mailto:info@crelling.com) Website: [www.crelling.com](http://www.crelling.com)

## Model 31 Fitting Instructions

### Install the harness

1. If fitting a new harness, remove all packaging and unfasten the two fixing straps.
2. Hold the two bar buckles and position the back pad against the front of the seat back. Pass the fixing straps over the top of the seat back.
3. Pass the tail ends of the fixing straps down through the gap between the seat back and seat cushion, one on each side of the understrap.
4. Ensure the understrap remains lying flat on the seat cushion.
5. Feed the tail ends of the fixing straps up through the bar buckles and pull down firmly to secure the harness tightly around the seat back.
6. Pass each fixing strap tail end back up through the sliplock slide to prevent the fixing straps from loosening during transit.

### Prepare the harness

7. Unfasten the waist belt and chest belt, then remove them from the webbing loops on either side of the chest pad.
8. Rest the chest pad over the headrest. Extend the shoulder straps if necessary.
9. Position the understrap centrally on the seat cushion.
10. If the passenger is under 135 cm, place a suitable booster cushion on top of the understrap to comply with child seat legislation.
11. Position the back pad so the waist belt will align with the passenger's waist.
12. The harness is now ready for the passenger to be seated.

### Secure the passenger

13. Seat the passenger in the most upright position possible.
14. Bring the shoulder straps and chest pad over the passenger's head and position the top of the chest pad parallel to the crease of the underarm reducing the gap for the passenger to wriggle their arms out of the harness.
15. Adjust the shoulder straps until the chest pad remains situated as described in **Stage 14**.
16. Thread both waist belt ends through the lower webbing loops on either side of the chest pad
17. Bring the understrap up between the passenger's legs, loop it over the waist belt buckle and then fasten the buckle. (ensure the comfort pad is fitted)
18. Adjust the waist belt so it is secure but comfortable.
19. Pull the tail end to tighten the understrap and check that the passenger is still comfortable making adjustments as necessary.
20. Thread both chest belt ends through the upper webbing loops before fastening the buckle.
21. Adjust the chest belt so it is secure but comfortable.
22. Position both buckles centrally. The waist and chest belts are designed to slide freely through the PVC back pad to allow correct positioning.
23. Fit the shoulder comfort sleeves.

### 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.**

## 40mm Adjuster Buckle

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

- To tighten the strap: Simply pull the end of the required strap, the adjuster will grip the webbing in place.
- To loosen a strap: The adjuster needs to release it's grip, this is achieved by squeezing together the \*top (a metal plate covered by the webbing just above top plastic bar on the top of the adjuster) and bottom of the adjuster and held in that position, this will allow you to make the required adjustment.
- When loosening a strap, with the adjuster grip released: Pull the webbing strap that feeds into the back of the adjuster until you have enough slack.



### Upgraded Fixing Straps (Optional Extra)

Our standard fixing straps with an added Superstrong buckle are available for occasions where a quick release option is preferred over a simple bar buckle allowing faster installation and removal while maintaining a secure attachment to the vehicle seat.



### Emergency Seat Belt Cutter (Optional Extra)

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. A simple but effective device for ensuring the occupants of a car are able to exit quickly and safely, particularly in an overturned car.



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

**The vehicle safety belt MUST be worn over the top of our harness unless exempt for medical reasons.**

**The combination of the existing safety belt & the secondary harness offers added security for the passenger. For non UK use: Please ensure you check and are compliant with your own countries regulations / laws for child seat and harness use.**

**Crelling Harnesses For Disabled Ltd.**

12 Crescent East, Thornton-Cleveleys, Lancashire, FY5 3LJ

Tel: 01253 852298, Email: [info@crelling.com](mailto:info@crelling.com) Website: [www.crelling.com](http://www.crelling.com)