

# medifab

Shaping Better Lives



## VEHICLE SEATING

# Medifab believes that all children have a right to access safe and comfortable travel.

At Medifab we are proud to be recognised as experts in the field of special purpose car seats and as one of the largest suppliers in Australia and New Zealand. This brochure outlines the options we offer to support children with their transport needs.

## What are special purpose car seats?

Special purpose car seats are designed to support the transport needs of children with disabilities and medical conditions, travelling in motor vehicles. They provide additional features not available on Australian standard car seats such as swivel bases, foot supports, extra postural supports and additional recline. These additional features can make a special purpose car seat more suitable for a child whose needs are not met by an Australian standard car seat.

All special purpose car seats available in Australia come from overseas. All special purpose car seats comply with an overseas standard, as the Australian standard does not cater for these types of car seats. The special purpose car seats from Medifab comply with either European or American standards, as highlighted throughout this brochure. Each option available from Medifab complies with at least one recognised standard or regulation, these are highlighted for each product throughout this brochure.

For independent information on special purpose car seats, including FAQs, please visit MACA's website by scanning the QR code.

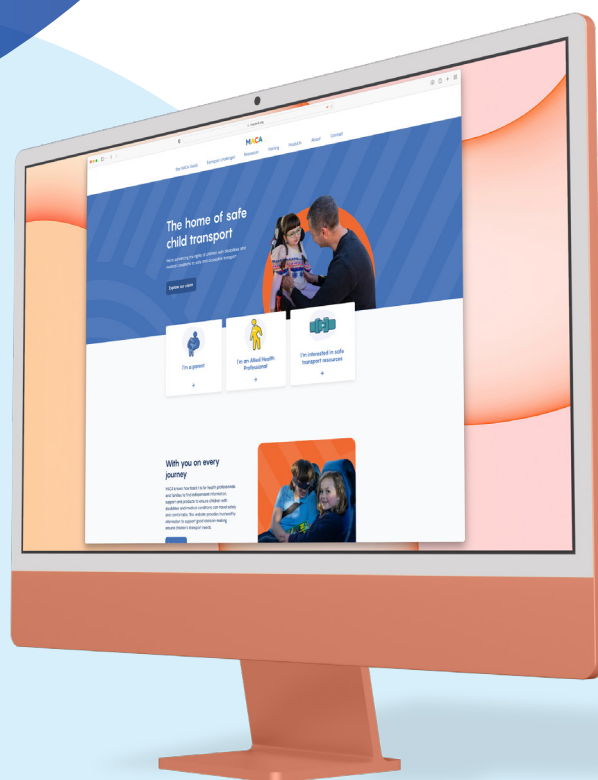


# MACA LTD

## Mobility & Accessibility for Children in Australia

MACA is a not-for-profit registered charity, dedicated to advancing the rights of children with disabilities and medical conditions to safe and accessible transport. Their website, [macahub.org](http://macahub.org) is an amazing resource which provides clear and relevant independent information.

From July 2022 MACA is offering an online training course for therapists and other interested parties to build confidence when assessing and prescribing for a child's transport needs. Interest in this course can be registered via MACA's website.



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For further information including FAQs please visit [macahub.org](http://macahub.org) or scan the QR code here





SPECIFICATIONS	HERO		STARLIGHT	IPALGT	CARROT 3000	CARROT XL
	With Std Cushion	W/out Std Cushion				
DESCRIPTION	Swivelling special purpose car seat for forward or rear facing.		Excellent posture support option with tilt and swivel functions.	Lightweight, adjustable special purpose restraint with postural support.	Extension accessories and multi-adjustable features allow longer use.	Larger version of Carrot 3000 for older or heavier children and small adults.
USER WEIGHT RANGE (KG)	0-18		9-36	15-36	15-36	36-75
SEAT WIDTH (CM)	21	25	30	31	31	48
SEAT DEPTH (CM)	25	28	30	32	25-40	38 or 42
SHOULDER HEIGHT (CM)	24-34	27-35	27-39	38-58	32-60	50-65
APPROX PRODUCT WEIGHT (KG)	16		13.5	7	8.7	10.5
TILT IN SPACE	✓		✓	Using wedge	Using wedge	Using wedge
SWIVEL BASE (CAR REQUIRES ISOFIX)	✓		✓	✗	✓	✗
GROWTH ADJUSTABLE	✓		✓	✓	✓	✓
FOOTPLATE	✗		✗	✗	✓	✗
TRAY/FOREARM SUPPORT	✓		✓	✓	✓	✓
POSTURAL SUPPORT LEVEL	Mild/Mod/Complex		Mild/Mod/Complex	Mild/Mod	Mild/Mod/Complex	Mild/Mod/Complex
IS ISOFIX REQUIRED IN VEHICLE?	Essential		Essential	Optional	Only required for Swivel Accessory	Optional
REAR FACING CAPACITY	✓		N/A	N/A	N/A	N/A
SUPPORT/PAD OPTIONS	✓		✓	✓	✓	✓
STANDARD/REGULATION COMPLIANCE	ECE r129		ECE r44	ECE r44	ECE r44	FMVSS 213
ANTI-ESCAPE OPTIONS	✗		✗	✗	✓	✓
RECLINE	✗		✗	✓	✓	✓

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# Carrot 3000 Car Seat



Various extension accessories and multi-adjustable features allow for growth and adaptation as a child's needs change over time. The Carrot 3000 caters for safety and the importance of keeping the child in a supported posture for travel.

## Our most comprehensive special needs car seat



**Ergonomically designed head support** holds the head and protects from side impacts and centrifugal forces

**Large chest support** holds the body securely

**2 positions of seat depth adjustment** for a better fit

**Shoulder protector wings:** Extendable wings hold and protect the body from side impacts and centrifugal forces

**Recline function** with angle adjustable seat and back support

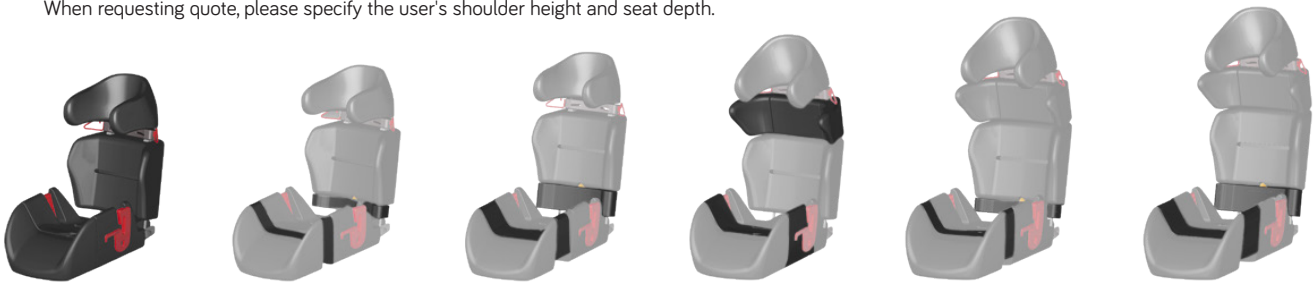
**Basic package includes**

- Carrot seat unit
- 5-point anterior chest support
- Headrest wings
- Tee-pad
- Free recline back support




## Huge growth for pre-schoolers to older children


When requesting quote, please specify the user's shoulder height and seat depth.




Size	Code	Age Range	User Weight Range	Seat Depth	Seat Width	Shoulder Height	Foot Support Height	Seat Weight
Small	4116-0010-259	3-15 years	15-36 kg	25-40 cm	31cm	32-52 cm 45-67 cm * (*when shoulder protector wings are added)	Small = 25-30 cm Medium = 30-40 cm Large = 40-50 cm	8.7 kg


The Carrot 3000 complies with the United Nations Economic Commission for Europe Regulation No. 44 Uniform provisions concerning the approval of restraining devices for child occupants of power-driven vehicles (ECE r44).

 Large chest pad/head support model available (4116-0000-259)



If user is too large for the Carrot 3000 Car Seat, the Carrot XL Seat (4116-0020-259) is available for larger users.



 **Air Travel Friendly**  
The Carrot 3000 Car Seat has been approved for use in aircraft of some major airlines including the Federal Aviation Administration in the USA. This is NOT a guarantee that your chosen airline will allow the Carrot 3000 Car Seat to be used in their aircraft, and you must contact the airline prior to flying.

# Accessories

**Swivel Base Attachment\***  
 4116-0180-104  
**Swivel Base Protection Plate**  
 4116-0190-000



\* Requires ISOFIX

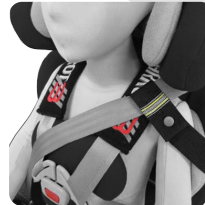
**Foot Support**  
 Sml lower leg (D): 25-30 cm  
 4116-5241-250  
 Med lower leg (D): 30-40 cm  
 4116-5242-250  
 Lrg lower leg (D): 40-50 cm  
 4116-5243-250



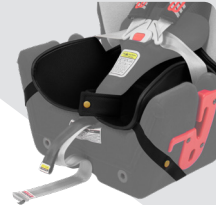
**Swivel Base Flootplate Adaptor**  
 4116-5120-000



**Seat Belt Holder**  
 4116-6790-017



**Removable Incontinence Cover**  
 4116-0475-209



**Rodded 50mm  
 Seat Depth Pad**  
 4116-0281-259



**100mm Rodded Waterfall  
 Seat Base Extension**  
 4116-0283-259



**50mm Seat Depth  
 Growth Pad**  
 4116-0285-259



**100mm Seat Depth Growth Pad  
 (only with Waterfall)**  
 4116-0289-259



**Abduction Pad**  
 4116-1510-000



**50mm Back Support Height  
 Extension Infill Pad**  
 4116-2481-259



**100mm Back Support Height  
 Extension Infill Pad**  
 4116-2482-259



**Shoulder Protector Wings**  
 4116-2753-259



**Anti-Escape Anterior  
 Chest Support**  
 4116-6026-259



**Shoulder Strap Retainer**  
 Small: 4116-6721-000  
 Medium: 4116-6722-000  
 Large: 4116-6723-000



**Pen Release Anterior  
 Chest Support**  
 4116-6025-259



**Cross Strap Anterior  
 Chest Support**  
 Anti-Escape 4604-3004-026  
 Pen Release 4604-3004-025  
 Side Release 4604-3112-019



**Tether Strap**  
 4116-6953-017



**ISOFIX Lower Straps**  
 4116-6910-000



**Hinge Lock Belt**  
 (for easy carrying)  
 4116-8170-000



**Tray / Forearm Support**  
 4116-5534-259



**Tilt Wedge**  
 4116-0291-259



**Firm Contoured Lateral  
 Trunk Support Wedges**  
 4116-3250-090



**Air Mesh Cushion Pad**  
 4116-8880-099



# Carrot XL



Carrot XL caters for safety and the importance of keeping the user in a supported posture for travel. This larger sized car seat is suitable for older children and adult users who will not fit into the Carrot 3000.

## Larger version of the popular Carrot 3000 Car Seat

**Extendable shoulder protector wings** hold and protect the body from side impacts and centrifugal forces

Low profile **wide seat base**



**Ergonomical large head support**

Special **large anterior chest support** design with easy length adjustment to support the shoulders

Correct **pelvic alignment** with comfortable padded hip belt

### Package includes

- Low contour seat base
- Back support
- 50mm height extension
- Deep headrest
- Width adjustable shoulder protector wings
- 4 point H anterior chest support



If user is too small for the Carrot XL Car Seat, the Carrot 3000 Car Seat is available for smaller users.

The Carrot XL complies with the United States Federal Motor Vehicle Safety Standard 213 Child restraint systems (FMVSS 213).



### UPGRADE KIT

Upgrade an existing Carrot 3000 to XL

Carrot XL Upgrade kit can be purchased to **upgrade an existing Carrot 3000 Car Seat** to an XL version, instead of purchasing a whole new car seat when the child grows out of the existing seat.



Kit includes:

- XL Low profile wide Seat Base
- Longer metal rods for base
- H-Anterior Chest Support and integrated positioning hip belt

4116-0030-259

*Please note that the XL Upgrade Kit must be fitted by Medifab Ltd or an authorised Medifab distributor.*

### FUNCTIONAL BENEFITS

- Equipped as standard with the low profile wide seat base, large size headrest, shoulder protector wings, and 50 mm back support extension.
- Extendable shoulder protector wings hold and protect the body from side impacts and centrifugal forces.
- Tether options include additional security tether for the top of back support and ISOFIX latch connectors. These may be required by your local authorities.

Code	Age Range	User Weight Range	User Height Range	Seat Depth	Seat Width	Shoulder Height	Seat Weight
4116-0020-259	10 to Adult	36-75kg	140cm - 175cm	38 or 42cm	48cm	32-52 cm or 45-67 cm*	10.5kg

\*When Shoulder protector wings added.

# Accessories

**Tether Strap**  
4116-6953-017



**ISOFIX lower straps**  
4116-6910-000



**Anti Escape Anterior Chest Support Options**



**Tilt Wedge**  
4116-0291-259



**100mm Back Support Height Extension Infill Pad**  
4116-2482-259



**Forearm Support Tray**  
4116-5544-259



**Lateral Trunk Supports**  
4116-3250-090



**Air Mesh Cushion Pad**  
4116-8880-099



**Hipbelt (Seat Base)**  
Medium 4116-6532-027  
Large 4116-6533-027



**XL Upgrade Kit For Existing Carrot 3000 Car Seat**  
4116-0030-259



**Crotch Belt**  
(requires customisation of seat base)  
4116-6320-000



# Hero Car Seat

The Hero child car seat is specifically designed to accommodate the postural support requirements of children with additional needs. It is suitable for installation in most commercially available vehicles that have an ISOFIX connection. The car seat is designed for use on the back seat of a car. With the ISOFIX anchorage system providing a secure attachment to the vehicle, it does not have to be fastened with the car seat belts, guaranteeing easy handling.

## Swivelling car seat for forward or rear-facing



**Swivel by 90°** so that the child can be seated in the car seat without straining the parent or caregiver's back

**Large seat recline**

**Height adjustable** back support and head supports

**5-point-harness** with upholstery, height adjustable

**Belt mechanics** installed into the front of the seat

**360° swivel base** with adjustable footwell stilt

## ACCESSORIES

**Security Tray**  
4181-5530-000



## FUNCTIONAL BENEFITS

- Switch the Hero around for either forward or rear facing. The Hero can be used in both forward and rear-facing direction.
- To support children with limited upper body control, the Hero has a tilt function to adjust the seat angle.
- The Hero is equipped with its own 5-point harness that securely holds your child in place.

## Package includes

- Black/Red upholstery
- Rear/Forward facing position
- Back Support Height Adjustable
- 10° tilt with swivel base 360°
- Five-point harness
- Lateral Supports as standard

## Practical and functional



In direction of travel; adjustable back height



Rotatable by 90°, 180° or 360° for ease of transfers



In rearward position



Lateral Supports fitted as standard

Code	Seat Width (knee)	Seat Width (pelvis)	Seat Depth	Back Height	Crown Height	Distance Laterals	Total Height	Total Width	Total Depth	Capacity
4181-0010-020	28cm	21cm	25cm	21cm - 34cm	41cm - 53cm	12cm - 21cm	66cm - 73cm	43cm	63cm	18 kg

\*Measurements with standard cushion

The Hero complies with the United Nations Economic Commission for Europe Regulation No. 129 Uniform provisions concerning the approval of enhanced Child Restraint Systems used on board of motor vehicles (ECE r129).



# Starlight Car Seat

Fully adjustable special purpose car restraint, offering excellent postural support options and an inbuilt tilt function. Starlight is suitable for young children from 9kg, and will grow with the child right up to 36kg.

## Excellent postural support

**Inbuilt adjustment** to the rear of the seat allows the backrest height to be increased for growth

Large anterior pad **provides support** to the front of the child



Uses **vehicle seatbelt** to secure the child

**5 point supportive harness** with shoulder padding and centre pull adjuster

## ACCESSORIES

**Forearm Support Tray**  
4141-5530-000



**Abduction Pommel**  
4141-1510-000



Inbuilt Cup Holder

## Package includes

- Adjustable headrest
- Backrest infill padding
- Slim lateral supports
- 20° tilt
- Swivel base system - (Left turning) to enable turning of the car seat towards the doorway to help with transfers
- ISOFIX seat attachment
- Grey/Black upholstery



### SLIM SWIVEL BASE

Allows more space and headroom inside the car when turning out.

Code	Seat Width (pelvis)	Seat Width (knee)	Seat Depth (min-max)	Back Height	Crown Height	Height Laterals	Distance Laterals	Car Seat Weight	Capacity
4141-0011-090	30cm	35cm	26cm	27-39cm	51-62cm	17-27cm	14-19cm	8.5kg	9-36kg

The Starlight complies with the United Nations Economic Commission for Europe Regulation No. 44 Uniform provisions concerning the approval of restraining devices for child occupants of power-driven vehicles (ECE r44).

# Ipai LGT Car Seat

The Ipai LGT lives up to its name, characterised by a light weight easy-to-use design it provides mild body support and care for children with additional needs. Comes standard equipped with ISOFIX, thoracic supports and a 5-point harness that is padded at the shoulders. As part of the supportive harness a large, stable tee pad guarantees firm support across the child's pelvis.

Light weight, comfortable and safe!



**Side Impact Protection System**

**Simple height adjustment** providing comfort and safety

**Integrated ISOFIX** for easy installation

**5 point comfort harness** comes as standard

## ACCESSORIES

**Ipai LGT Padded Tray Table**  
4080-5411-000



## FUNCTIONAL BENEFITS

- Simple height adjustment function allows the backrest 20cm of height range providing greater comfort and safety for the child.
- Easy release ISOFIX attachment makes Ipai LGT a breeze to install in any ISOFIX compatible vehicle. Please note, the vehicle seat belt must be used in conjunction with the car seat.
- Have the peace of mind that your child is kept safe with the Side Impact Protection System that can be unscrewed to secure the car seat against the side of the vehicle door, improving safety in the event of side impact to the vehicle.

## Package includes

- Includes ISOFIX
- Five-point harness
- Backrest height adjustable
- Adjustable lateral trunk supports



Backrest Height



ISOFIX



Side Impact Protection System



Code	Seat Width (rear)	Seat Width (front)	Seat Depth	Back Height	Head Support Height	Lateral Support Height	Distance between Laterals	Back Support Recline Angle	Total Height	Overall Width	Total Depth	Total Weight	Capacity
4081-0011-060	31 cm	34 cm	32 cm	38-58 cm	59-79 cm	20-33 cm	14-28 cm	85° - 162°	67-85 cm	48 cm	39 cm	7 kg	36 kg

Complies with the United Nations Economic Commission for Europe Regulation No. 44 Uniform provisions concerning the approval of restraining devices for child occupants of power-driven vehicles (ECE r44).

# Looking for something different? Vehicle Harness Options



SPECIFICATIONS	HOUDINI 13		HOUDINI 22		HOUDINI 27		HOUDINI 28	HOUDINI 31	
	13J	13H	22C	22D	27A	27B	28	31A	31B
DESCRIPTION	All buckles are behind the seat so user cannot release them.		Popular option for taxis. Body section attaches to user before entering the vehicle. Multiple seat straps can be purchased.		Full 5 point harness for more postural control. For single back support seat only.		Same as Model 27, however this popular version is designed for bench vehicle seats.	Most secure harness. 7 point control with bib front to secure the torso effectively.	
GAP REQUIRED BETWEEN SEAT & BACK SUPPORT?	✓	✓	✓	✓	✗	✗	✓	✓	✓
CAN BE FITTED TO USER BEFORE ENTERING THE VEHICLE	✗	✗	✓ 2 piece harness. 2nd piece stays in vehicle		✗	✗	✗	✗	✗
SINGLE SEAT COMPATIBLE	✓ (Not suitable with built in headrest)		✓		✓		✓	✓	
BENCH SEAT COMPATIBLE	✗		✓		✗		✓	✓	
COMMENTS	To fit the harness easy access is required all the way round the seat back and underneath the base of the seat cushion.		The body harness is worn before entering the vehicle. It is fitted with a waist belt and chest strap which fasten behind the passenger's back with side-release buckles.		Can offer postural support and assist in seating the occupant in an upright sitting position for those with physical disabilities where extra support and positioning is required during travel.		Very popular harness. This Houdini 28 harness is similar to the Houdini 27 except that the seat attachment straps go vertically around the vehicle seat.	Offers greater support due to a front PVC pad that is attached around the individual's torso with two straps fitted with anti-escape buckles.	
BUCKLE TYPE**	Std../AE/PP		AE/PP/MAG.		AE/Std../PP		AE/Std../PP	AE/PP/MAG.	
FIXING TYPE	Buckles connect around rear of seat		Vertical fixing straps installs to vehicle seat first		2 horizontal straps connect to vehicle seat		2 horizontal straps connect to vehicle seat	2 horizontal straps connect to vehicle seat	

\* Indicator only, for accurate product selection client measurements are the best guide.

\*\* AE = Anti-escape PP= Pen/Key Release Std.= Push Button Mag= Magnetic Upgrade

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**Houdini Vehicle Harnesses: What to consider and what are the options?**  
Scan the QR code to find out more.



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