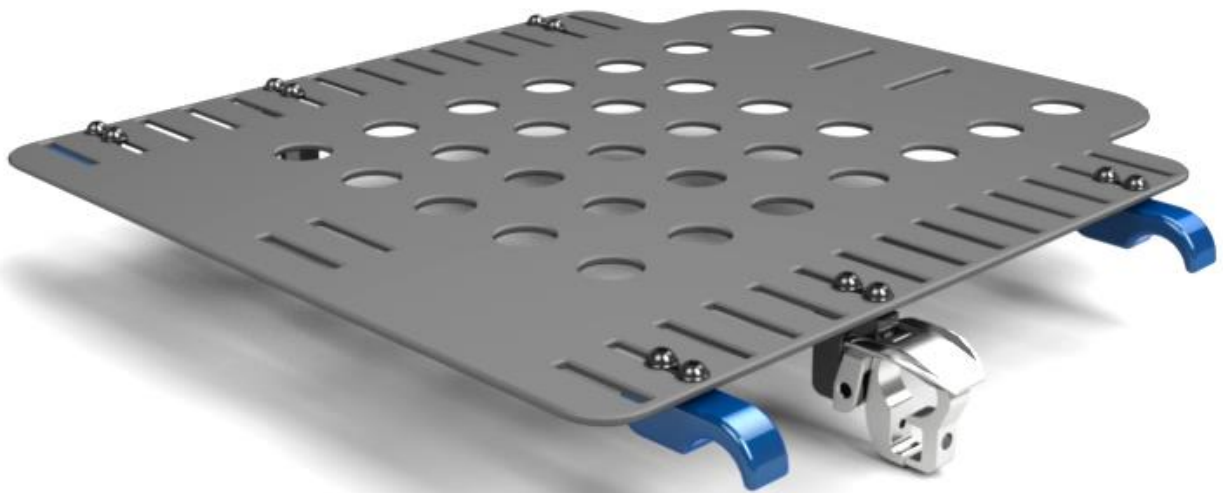




QUICK-RELEASE SEAT PANS








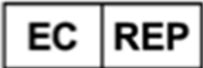





USER MANUAL



CONTENTS:

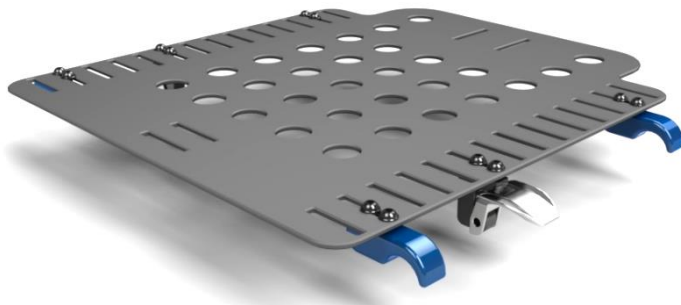
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SYMBOLS

	Identifies products that meet the requirements of Regulation 2017/745 / EU on medical devices		Batch code
	Indicates that a product is a medical device		Catalogue number
	Shows the manufacturer of the medical device		Date of manufacture
	WC20 & ISO7176-19 certified for forward facing use in a motor vehicle		Authorized representative in the European Community
	Product weight (kgs)		Consult instructions for use
	Max User Weight (kgs)		Warnings
	Product Dimensions		

ITEMS INCLUDED IN THIS PACKAGE

Quick-release Seat Pan



Seat Pan Front Stopper Clamps



Seat Pan receiver Clamps

DSP1212	DSP1214	DSP1414	DSP1416	DSP1418	DSP1616
DSP1618	DSP1620	DSP1818	DSP1820	DSP2018	DSP2020
DSPCUST	DSPCUSTXL				

WEIGHTS & DIMENSIONS



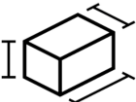
ITEM			
Seat Pan Complete	Up to 2.5	136	51cm x 55cm x 5cm

Fig 1

ORIENTATION OF THE SEAT PAN

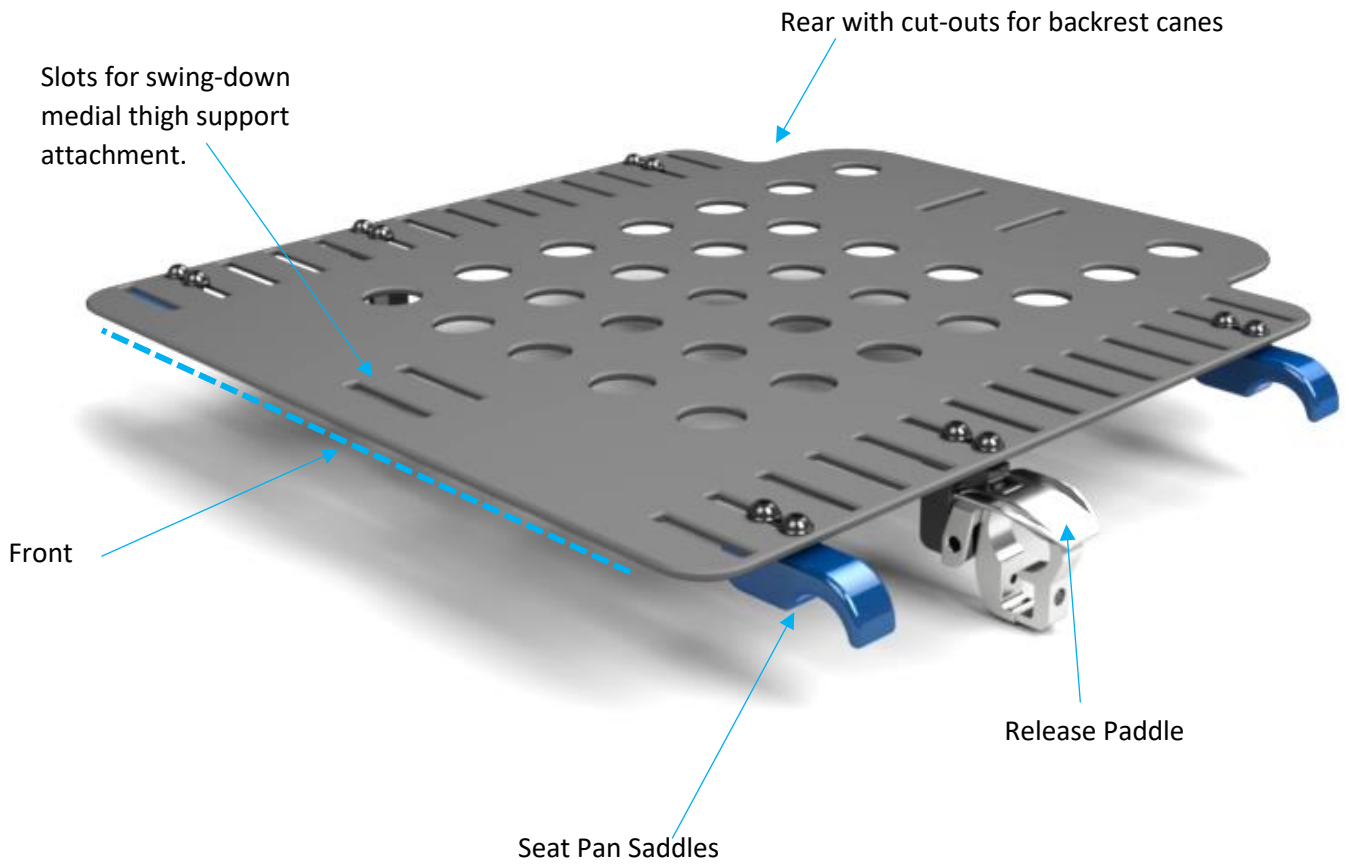


Fig 2

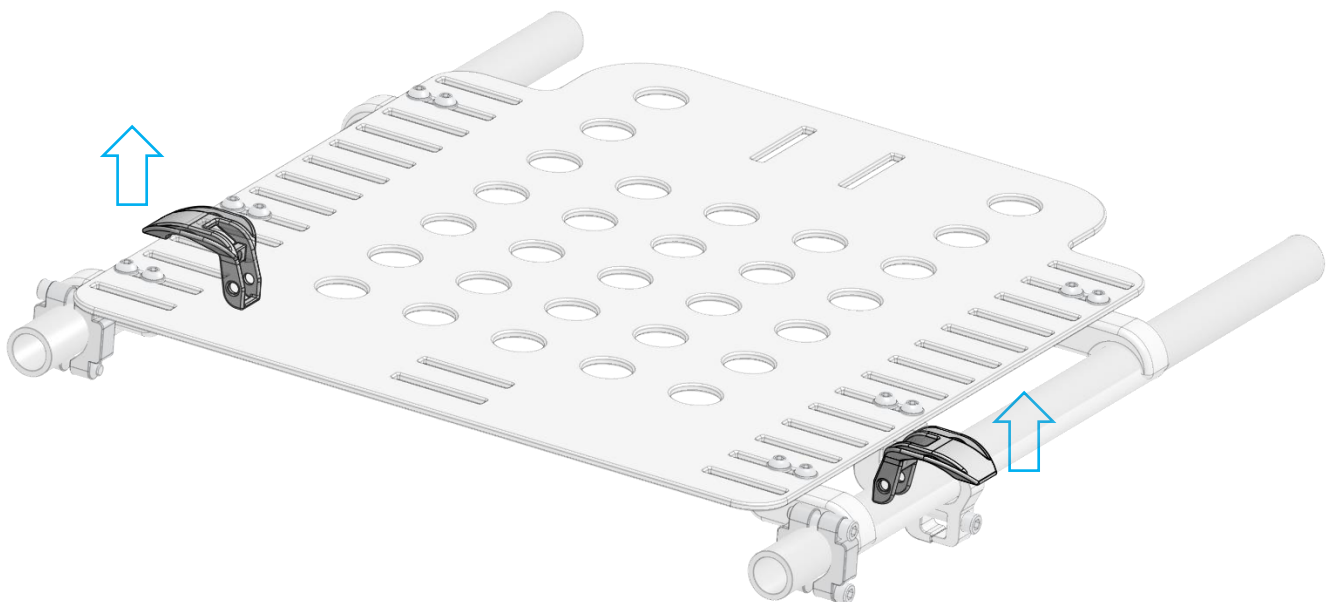


Fig 3

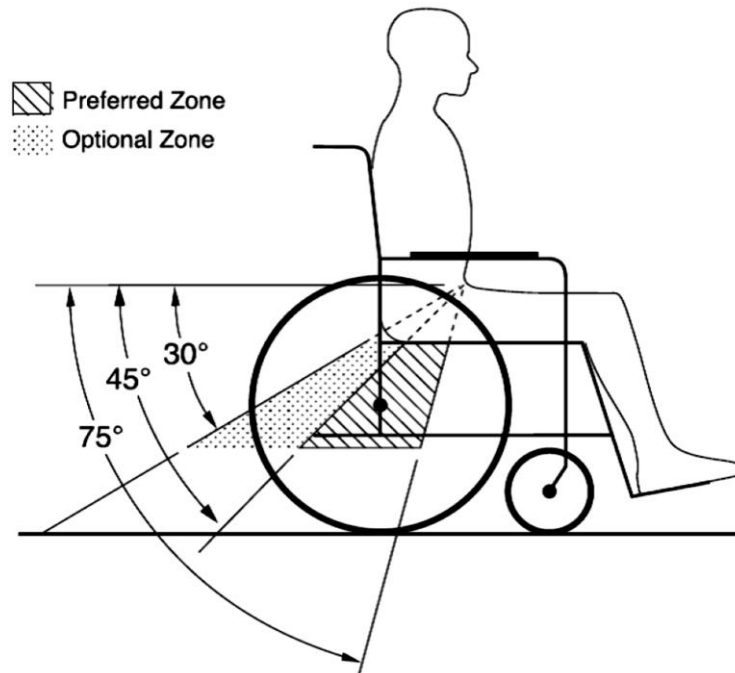


Fig 4



Fig 5

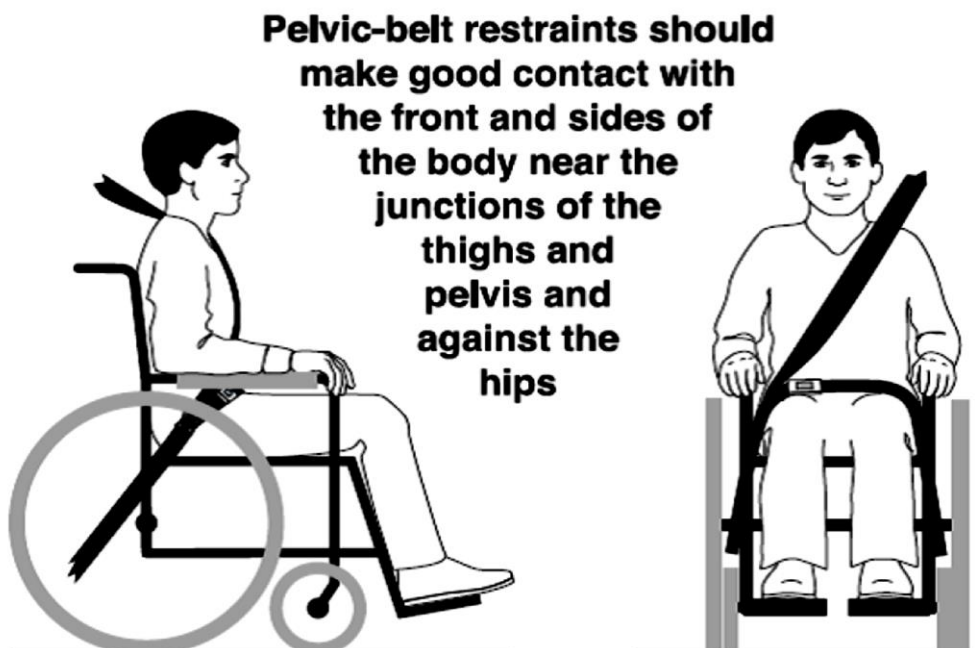
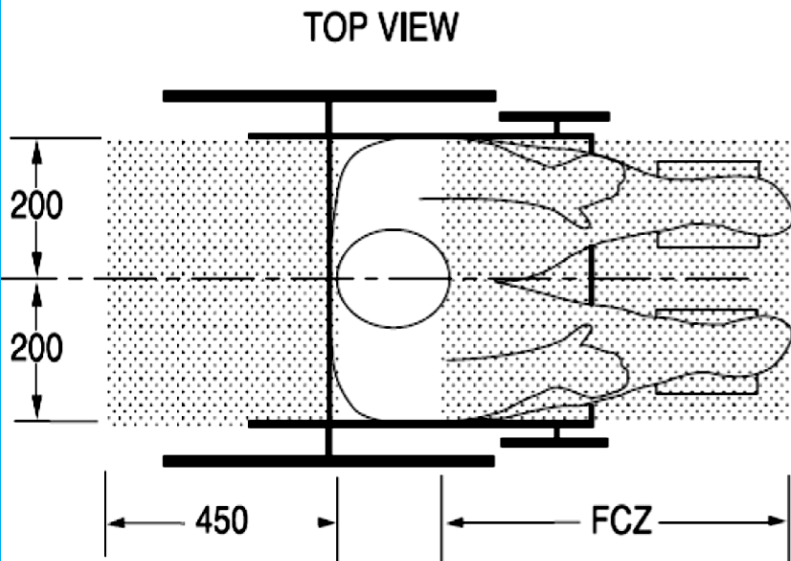


Fig 6



NOTES: The rear clear zone is measured from the rearmost point on an occupant's head. The front clear zone is measured from the frontmost point on an occupant's head.

Seated head height (HHT) ranges from about 1200 mm for a small adult female to about 1550 mm for a tall adult male.

Fig 7

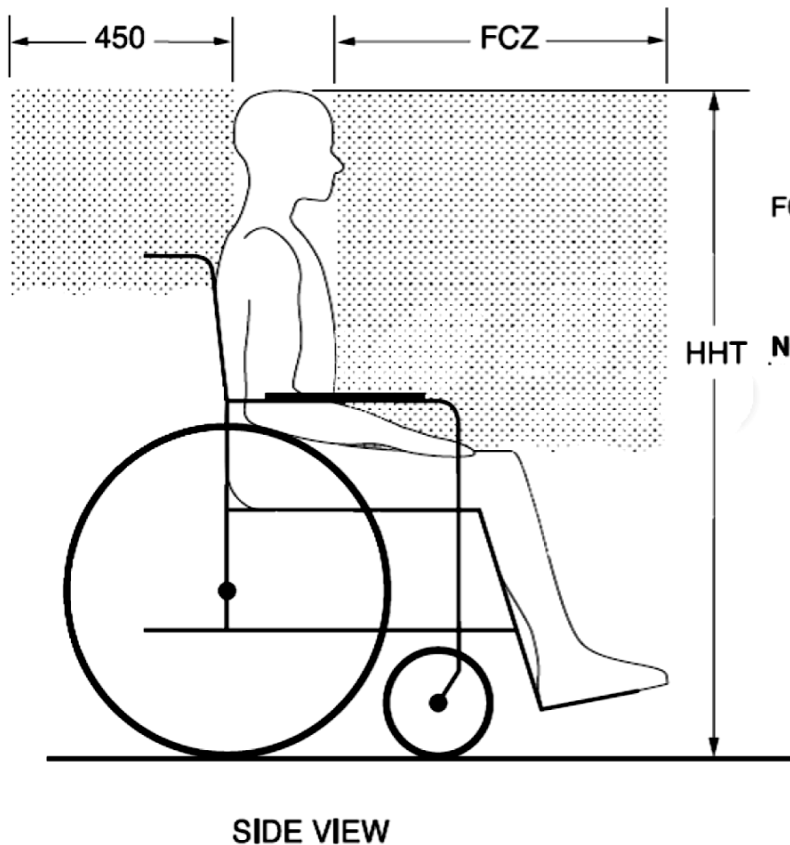


FIG.9

FCZ = 650 mm with upper torso restraint
= 950 mm with only pelvic restraint

HHT **NOTE: It is strongly recommended that both pelvic and upper-torso belts be used.**

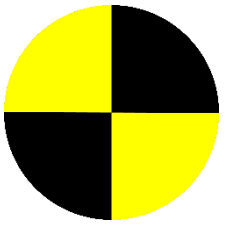
Recommended forward and rearward clear zones for wheelchair-seated occupants

NOTE The frontal clear zone may not be achievable for wheelchair-seated drivers.



TRANSPORTATION WARNINGS

1. When transporting occupants on their wheelchairs inside motor vehicles, Dreamline Wheelchair Seating is designed only for use with wheelchair frames that have been successfully crash tested to the frontal-impact requirements of RESNA WC-42012, Section 19.
2. When used as a seat for the occupant inside a motor vehicle, Dreamline Wheelchair Seating must only be used on wheelchair frames that provide four securement points and pelvic belt anchor points that conform to the requirements of RESNA WC-4:2012, Section 19.
3. When the Dreamline seating system is used for occupancy inside a motor vehicle, it is designed specifically for wheelchairs that are forward facing inside the motor vehicle.
4. When the Dreamline Seating system is used for occupancy inside a motor vehicle it must only be used in accordance with the wheelchair manufacturer's instructions.
5. Back supports with adjustable recline angles should not be tilted back more than 30 degrees to the vertical during travel in vehicles unless necessary for the medical & postural needs of the occupant.
6. If the back support must be adjusted to an angle that is greater than 30 degrees to the vertical during travel in a motor vehicle, the upper shoulder belt anchor point should be adjusted rearward to maintain belt contact with the wheelchair occupant's shoulder and chest.
7. Wheelchair mounted rigid trays that are not specifically designed for use during travel in motor vehicles should be...
 - a. Removed and secured separately in the vehicle, or
 - b. Secured to the wheelchair so they will not break free in a crash and
 - i. Be positioned with a gap of at least 75mm (3") between the back edge of the tray and the wheelchair occupant's abdomen and/or chest so as not to interfere with proper belt restraint use, and
 - ii. Have energy absorbing padding placed between the back edge of the tray and the wheelchair occupant.
8. The use of a postural pelvic belt attached to the wheelchair base or seat frame is encouraged during travel, but these belts should be positioned so they don't interfere with the proper positioning of crashworthy belt restraints, and they should not be relied on for occupant protection in crash situations unless the postural belt has been designed to comply with, and perform to, the requirements of 4.6, 5.2, and 5.3 of RESNA WC-4:2012, Section 19 (i.e. with WC19).
9. People who use wheelchairs should transfer to the vehicle seat and use the vehicle installed occupant-restraint systems when this is feasible.
10. There must be sufficient clear space around the wheelchair for the wheelchair occupant and other occupants inside the vehicle to remain safe during travel. Recommendations are made in Fig 6, 7 for Head Height (HHT) and rear space of 450mm from the users back with a Frontal Clear Zone (FCZ) of 650mm with pelvic / upper torso restraint or 950mm if there is only a pelvic restraint. This may not be achievable for wheelchair seated drivers. Wheelchair seated drivers must comply with the modified vehicle and transport approved restraint manufacturer's instructions.



TRANSPORTATION INSTRUCTIONS

The following components have all been tested & are both WC20 & ISO7176-19 certified for forward facing transportation with an occupant in a motor vehicle; Quick-release Seat Pan, All Dreamline Cushions, Dreamline Contour, Support, S3 & STX Backrests, Quick-release swing-down Hip guides & Armrests, Swing-down Pommel, both fixed & Swing-away laterals & Dreamline Axis Headrests.

Dreamline Wheelchair Seating fully complies with RESNA WC-4:202, Section 20 & when used with a wheelchair frame which complies with RESNA WC-4:2012, Section 19 if used as a transportation device for an occupant in a motor vehicle.

Dreamline Wheelchair Seating has been designed to accommodate the proper use of vehicle anchored belt restraints with a rating of 16 out of 16 & pass level of A+ (Excellent): a) ease of properly positioning vehicle anchored belt restraints on the wheelchair passenger & b) the degree to which proper positioning of the belt restraints can be achieved.

1. The pelvic belt transport approved restraint should be worn low across the front of the pelvis near the junctions of the pelvis and thighs.
2. The angle of the transport approved pelvic belt restraint should be between 30 degrees to 75 degrees relative to the horizontal and ideally between 45 degrees to 75 degrees to the horizontal as shown in Fig 3.
3. The transport approved belt restraint buckle of three-point belt restraints should be placed in contact with the occupant's body and away from wheelchair components & should not be routed outside of the wheelchair wheels or over the wheelchair arm supports (Fig 4,5).
4. The junction of the shoulder belt & the pelvic belt of the transport approved three-point belt restraint should be located near the hip opposite the shoulder over which the diagonal belt crosses and not near the midline of the occupant (Fig 5).
5. Upper torso transport approved belt restraints should fit directly over, and in contact with, the middle of the shoulder (Fig 5)
6. Transport approved belt restraints should be adjusted to fit as snugly as possible, consistent with user comfort.
7. Transport approved belt restraints should not be worn twisted in a manner that reduces the area of contact of the belt webbing with the occupant.

ISO 16840-4

Dreamline Wheelchair Seating has been tested to comply with the requirements of ISO16840-4. Dreamline Wheelchair Seating will only comply if the corresponding wheelchair frame complies with the requirements of ISO7176-19. The frame must include anchorage points which comply with the requirements of ISO7176-19. Dreamline Wheelchair Seating have been designed and tested for forward facing travel in a motor vehicle. Dreamline Wheelchair seating will only comply if the corresponding wheelchair tie-down & occupant restraint system (WTORS) complies with ISO 10542-1.



INSTALLATION & OCCUPANT SAFETY

- This Dreamline Quick Fit Seat Pan must only be installed and configured by a qualified seating therapist or technician.
- Fully read the instructions before installing the Quick Fit Seat Pan.
- Do not use this Quick Fit Seat Pan if it has become loose, broken, not in the desired position, or not working properly.
- Always ensure the Seat Pan is locked in place before using.
- Do not modify Rolapal products as this may affect the strength of the item making it a potential safety risk to the occupant.

INTENDED USE

This item is intended for persons with disabilities as a Seat Pan support for a wheelchair seat. If there are any questions about product installation or compatibility with the wheelchairs, ROLAPAL customer service should be consulted.

Indication: Partially or permanently non-ambulatory limited to a sitting position

Contra-indication: None

CAUTION - RISKS IDENTIFIED

- Take care when removing this item from the package and general handling risk of entrapment / impingement.
- This seat pan can be positioned in many ways, take care to ensure the desired outcome is achieved for the occupant.
- Take care when using this seat pan in direct sunlight. Parts may heat up and increase risk of burns to the occupant.
- Orientation – risk of attaching in reverse – ensure the front of the seat pan is at the front of the wheelchair frame (Fig 1)

REPORTING OF INCIDENTS

All serious incidents occurring in relation to the product must be reported to ROLAPAL Ltd and your competent authority!

DISCLAIMER

Because of the infinite adjustability of the seat pan support, Rolapal accepts no responsibility for the therapeutic outcome for the occupant. This is the responsibility of the prescribing seating therapist or technician.

REUSABILITY

The product is basically suitable for reuse. The reuse handover takes place after the product has been checked by the specialist trade.

SPECIAL STORAGE/HANDLING CONDITIONS

Do not store in environments above 50°. Do not store close to roofs to avoid heat. If not in use, please store in dust free environments.

PRODUCT LIFE EXPECTANCY

This item is expected to last between 2 – 5 years under normal use but this can change dramatically between users depending on the length of time in use, environment & weight of the user.

END OF LIFE RECYCLING

At the end of its useful life, all metal components are easily removed for recycling. Foam inner and cover are general waste disposal.

GUARANTEE

Dreamline Quick Fit Seat Pans are manufactured to a very high standard and carry a guarantee against defects in materials and craftsmanship for a period of 18 months.

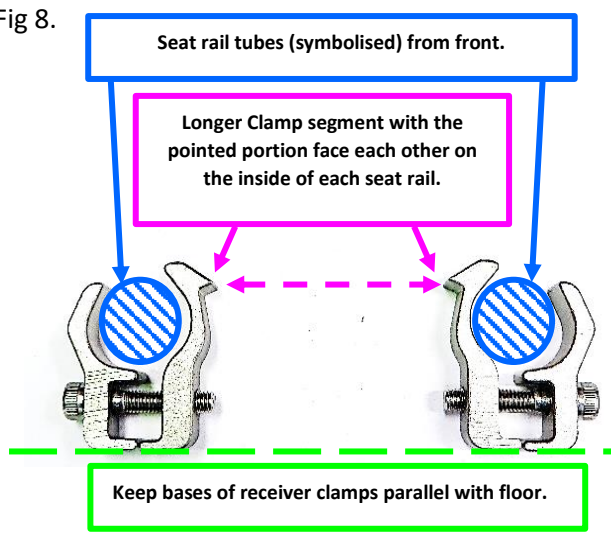
Any item found to be defective will be repaired or replaced at the discretion of Rolapal Ltd.

Goods must be returned to Rolapal Ltd for assessment and the new repaired or replaced item will be sent free of charge.

This guarantee does not cover items which are damaged from general “wear and tear”, misuse or negligence.

FITTING THE SEAT PAN

Fig 8.

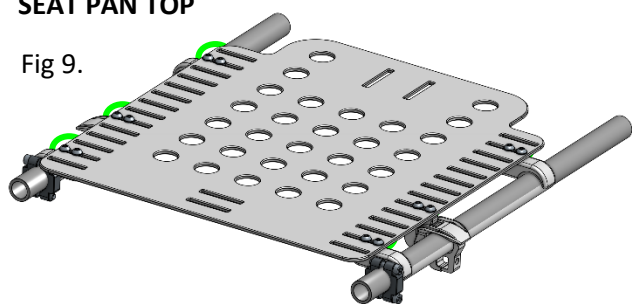


FITTING THE CLAMPS TO THE WHEELCHAIR FRAME.

1. The clamps are designed to fit to wheelchair tube sizes from $\frac{3}{4}$ "(19mm) to 1"(25mm) without requiring spacers or different hardware.
2. Clamp orientation (Fig 8.).
 - a. Clamp screws fit below the seat rail tubes.
 - b. The screw heads are facing outwards on the outside of the wheelchair frame.
 - c. Bases of each clamp are parallel with floor.
 - d. The longer Clamp segment with the pointed portion face each other on the inside of each seat rail.
3. Semi-tighten the clamp screws using a 5mm Allen key so the clamps can be re-positioned along the seat rail as desired.

SEAT PAN TOP

Fig 9.



SEAT PAN BOTTOM

Fig 10.

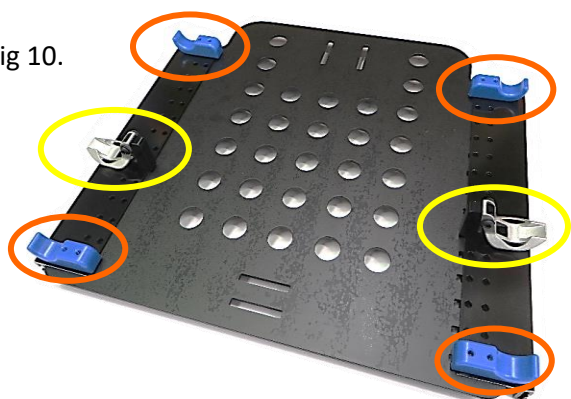
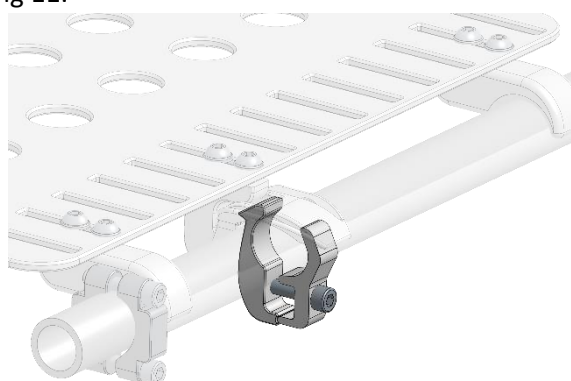


Fig 11.



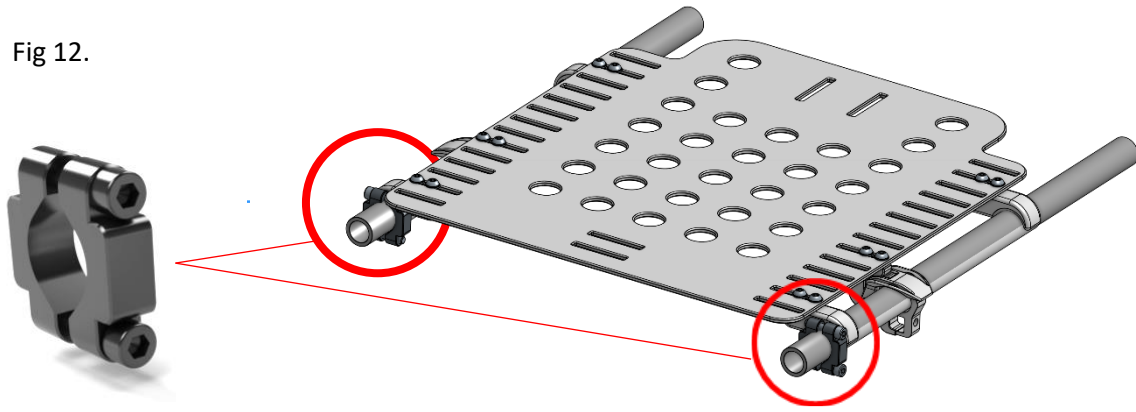
MATCHING THE SEAT PAN TO THE SEAT RAILS

1. The top surface of the Seat pan has Hook attached so the cushion loop underside surface can attach to it see Fig 1 for correct orientation.
2. The seat pan has been provided with twelve screws on the top surface (circled in green – Fig 9).
3. While these screws are loose, expand the seat pan in width so the four blue nylon seat rail seats on the underside of the seat pan (circled in orange) rest neatly over each seat rail. Tighten all twelve screws to lock the width position using a 4mm Allen Key (Fig 10).
4. Slide the seat pan forward or back until it is in the desired location along the seat rail.
5. Next slide the clamps along the seat pan so they are surrounded by the seat pan catches (circled in Yellow Fig 10). They should then look like Fig.11.
6. Keeping the orientation of each clamp correct, firmly tighten each clamp screw to lock in place using a 5mm Allen Key.
7. Check the operation as described below to ensure it locks in place & releases well & easily.
8. The Seat Pan Front Stopper Clamps (circled in red – Fig.12) fit to the wheelchair seat rails immediately in front of the two front blue saddles to stop forward motion.

OPERATION: RELEASING AND LOCKING THE SEAT PAN

- To release the seat pan lift each of the release paddles upwards towards the seat pan and lift off (Fig 2).
- To install the seat pan, simply sit the seat pan onto the seat rails of the wheelchair and slide forward & back until it locks in place.

Fig 12.



SEAT PAN UTILITY RAIL ACCESSORY

INSIDE THE PACKAGE



Seat Pan Utility Rail x 1



Seat Pan Utility Rail End Caps x 2

Seat Pan mounting screws x 6 (longer M6x20mm screws to replace existing seat pan mount & catch screws to accommodate extra thickness of utility rail).



HIP GUIDE MOUNT ATTACHMENT HARDWARE

- Coach nuts x 2 (silver)
- Spacers x 2 (these sit between the hip guide mount and utility rail).
- Countersunk screws M6x12mm x 2



HIP BELT ATTACHMENT HARDWARE

- Coach bolts M6x16mm x 2
- Washers (silver) x 2 (fit these to the coach bolts first as packers under the head of the bolt to reduce the thickness of square portion of bolt).
- Washers (black) M6x18mm x 2 (use these as spacers between the utility rail & hip belt mount plate).
- Nyloc nuts M6 x 2

Fig 13

Replace existing screws
with longer screws
(Supplied with Rail).

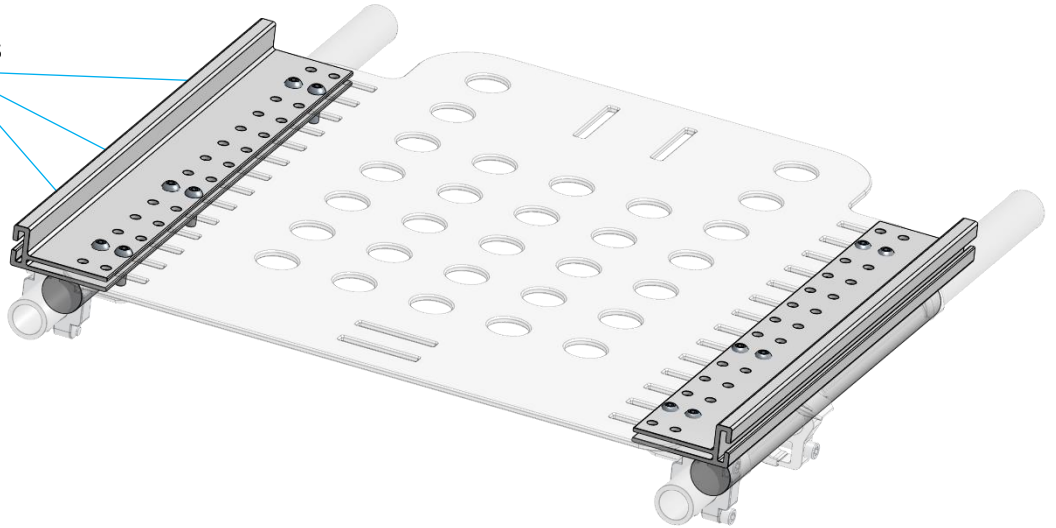
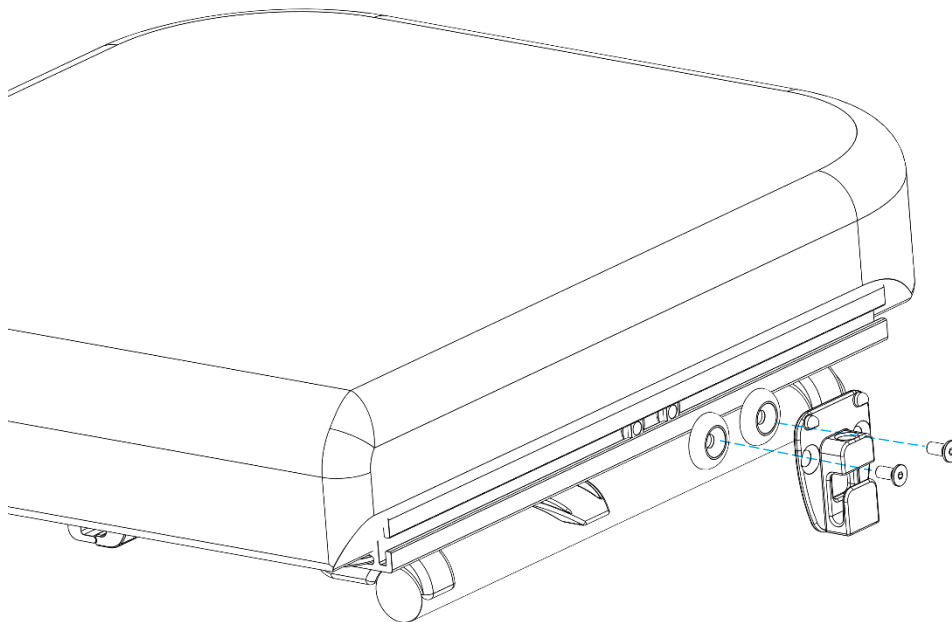


Fig 14



INSTALLING THE SEAT PAN UTILITY RAIL

1. Replace the existing seat pan saddle & release paddle mount attachment screws (Fig 13) in the seat pan with the longer screws provided in the utility rail package using a 4mm Allen Key.
2. Refit the seat pan to the seat rails as per the seat pan installation instructions.

FITTING ATTACHMENTS TO THE UTILITY RAIL

- The utility rail may be used to attach armrests, hip guides & hip belts.
- When attaching hip guides remove the hip guide seat base attachment bracket as per the Hip instructions & use the screws provided in the utility rail package to install the hip guide receiver catch directly to the utility rail (Fig 14)
- More screws etc are provided to attach a 2-point or 4-point hip to the utility rail as well.
- Once the attachments have been inserted into the utility rail install the end caps (page 10) & lock the grub screw using a 3mm Allen Key.

Dreamline

WHEELCHAIR SEATING



Posture adaptive

Pressure reactive

Performance effective

Ignite

SPLASH

Dreamline

WHEELCHAIR SEATING



Woven Air

snooza



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ISO 9001:2015
REGISTERED COMPANY
Certificate No. NZP1077CA



QAS International
ISO 14001:2015
REGISTERED COMPANY
Certificate No. NZP1077EN



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Quality Assurance

Rolapal Ltd is an ISO 9001, 14001 & 45001 certified company!

Dreamline

WHEELCHAIR SEATING

by

ROLAPAL



Dr Dreamline

Check out our "How to"
Videos Pages

Manufactured By:

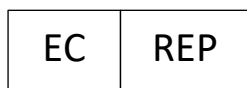


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