

PRODUCT INFORMATION GUIDE

magic
Mobility™

Because the world's not flat



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Client Information

Base

MODEL



EXTREME X8

The Extreme X8 is a 4x4 drive wheelchair



FRONTIER

The Frontier range includes the V4 and V6 range and may be configured as rear, mid and front wheel drive.

Note: only All Terrain options shown for simplicity



MAGIC 360

3 different drive wheel options

TERRAIN



COMPACT 40

40Ah Batteries
14" x 3" Drive Wheels
200 x 50 Castors



COMPACT 73

73Ah Batteries
14" x 3" Drive Wheels
200 x 50 Castors



HYBRID

73Ah Batteries
14" x 3" Drive Wheels
2.80/2.50-4 Castors (8½")




ALL TERRAIN

73Ah Batteries
145/70-6 Drive Wheels
2.80/2.50-4 Castors (8½")

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Technical specifications

	As the manufacturer, Magic Mobility declares that the lightweight wheelchairs conform to the Medical Device Regulation (2017/745).							
STANDARD	DEFINITION / DESCRIPTION	TEST DUMMY WEIGHT (KG)						
		Magic 360	V6 AT & Hybrid	V6 C73 Urban (USA only)	V6 C73 & C40	V4 RWD	V4 FWD	X8
Medical Device Regulations (EU) 2017/745	Applicable as mentioned in Appendix 1	N/A						
EN 12182: 2012 Class B	Assistive products for persons with disability - General requirements and test methods	160	182	160	182	182	182	182
EN 12184: 2014 Class B	Electrically powered powerchairs, scooters and their chargers - requirements and test methods	160	182	160	182	182	182	182
EN 12182: 2012 Class C	Assistive products for persons with disability - general requirements and test methods	160	182	N/A	N/A	N/A	N/A	N/A
EN 12184: 2014 Class C	Electrically powered powerchairs, scooters and their chargers - requirements and test methods	160	182	N/A	N/A	N/A	N/A	N/A
ISO 7176-8: 2014	Requirements and test methods for impact, static and fatigue strengths	160	182	160	155	182	182	182
ISO 7176-9: 2009	Climate tests for electric powerchairs	N/A						
ISO 7176-14: 2008	Requirements and test methods for control systems for electric powerchairs	N/A						
ISO 7176-16: 2012	Requirements for resistance to ignition of upholstered parts	N/A						
ISO 7176-19: 2008	Powerchairs - Part 19: Wheeled mobility devices for use as seats in motor vehicles	102						

MODEL	MAXIMUM USER WEIGHT (No seat elevator or tilt fitted)	MAXIMUM USER WEIGHT (Seat elevator or tilt fitted)
Magic 360 - Class B	160 kg *	160 kg *
Magic 360 - Class C	160 kg *	160 kg * (seat elevator not available)
Frontier V6 AT and Hybrid	182 kg	155 kg
Frontier C73 Urban (USA only)	160 kg	160 kg
Frontier C73 and C40	182 kg	155 kg
Frontier V4 RWD	182 kg	155 kg
Frontier V4 FWD	182 kg	155 kg
Extreme X8	182 kg	155 kg

* If a Dahl Docking System is fitted, the maximum user weight is 136kg.

DESCRIPTION	SPECIFICATIONS
Maximum battery dimensions (l x w x h)	260 x 172 x 210 mm
Battery capacity	70 Ah (C20)
Battery capacity (Frontier V6 C40 Only)	40 Ah (C20)
Maximum permissible charging voltage	24V
Maximum charging current	12 A (rms)
Charging connector type	Controller, manual
Insulation	Class 2 double insulated

ALL MODELS

Specifications for some common options are included. All measurements assume a seat depth of 460x460mm (18x18") and standard backrest heights. As each powerchair is built to order, variations to the information below are to be expected.

DESCRIPTION		MINIMUM	MAXIMUM
Seat plane angle	Lift and tilt	0°	45°
	Tilt only	0°	50°
	Fixed seat	3°	3°
Effective seat width	MPS seat/back/headrest	405mm (16")	560mm (22")
	Rehab seat/back/headrest	305mm (12")	560mm (22")
Effective seat depth	MPS seat/back/headrest	405mm (16")	560mm (22")
	Rehab seat/back/headrest	305mm (12")	560mm (22")
Backrest angle	MPS seat	90°	170°
	MPS power recline	96°	150°
	Fixed rehab canes	90°	105°
	Manual recline canes	90°	170°
	Powered canes	94°	160°
	Powered anti-shear canes	94°	155°
Backrest height	MPS seat (seat pan to top of back cushion)	600mm	700mm
	Rehab seat (seat pan to top of canes)	560mm	700mm
Footrest to seat distance	Centre legrest	300mm	390mm
	Centre power legrest	300mm	390mm
	Swingaway legrest	300mm	390mm
	Swingaway power legrest	300mm	390mm
Armrest to seat distance	With standard armrests	240mm	390mm
	Flexi armrests	220mm	390mm
Leg to seat angle	Centre legrest	92°	110°
	Centre power legrest	92°	180°
	Swingaway legrest (all)	92°	180°

EXTREME X8



Model designation of powerchair tested: Extreme X8, with Power Lift, Power Tilt, Centre Legrest and Rehab Backrest. Specifications for some common options are included. All measurements assume a seat depth of 460x460mm (18x18") and standard backrest heights. As each powerchair is built to order; variations to the information below are to be expected.

DESCRIPTION		MINIMUM	MAXIMUM
Overall base length	Centre legrest	1030mm (footplate flipped)	1240mm
	Centre power legrest	1030mm (footplate flipped)	1225mm
	Swingaway legrest	1030mm (legrest removed)	1175mm
	Swingaway power legrest	1030mm (legrest removed)	1175mm
Minimum turning radius	Centre legrest	1415mm	
	Centre power legrest	1430mm	
	Swingaway / swingaway power legrest	1470mm	
Overall base width	All terrain wheels	710mm	

NOTE: Depending on seat width, armrests can be wider than the base

Seat to floor height at front not including cushion	Power lift and power tilt	470mm	770mm
	Power tilt	470mm	
	Fixed seat	465mm	
Total mass including centre power legrest and anti-shear rehab back	Power lift and power tilt	122kg (no batteries)	168kg (with batteries)
	Power tilt	114kg (no batteries)	160kg (with batteries)
	Fixed seat	98kg (no batteries)	144kg (with batteries)
Total weight influencers: batteries (set of 2)		46kg	
Transport weight of the heaviest part (1 battery)		23kg	
Static stability (worst case with lift and tilt)	Downhill / uphill / sideways	10°	
Dynamic stability uphill		10°	
Energy Consumption / Estimated Range		20km	
The following aspects have a negative influence on the range of action: obstacles, rugged terrain, driving on slopes, exposure to temperatures below freezing point and frequent use of powered seat options			
Climbing capability for obstacles		120mm	
Min. braking distance at maximum speed		1.7m	
Max speed forward		10kph	
Ground clearance (base)		100mm	

Magic Mobility cannot provide technical specifications for non-Magic Mobility parts, nor can we guarantee performance according to the table below. If you can't see what you need please contact your agent or Magic Mobility.

MAGIC 360



Model designation of powerchair tested: Magic 360, with Power Lift, Power Tilt, Centre Power Legrest and Anti-Shear Rehab Back. Specifications for some common options are included. All measurements assume a seat depth of 460x460mm (18x18") and standard backrest heights. As each powerchair is built to order; variations to the information below are to be expected.

DESCRIPTION		MINIMUM	MAXIMUM
Overall base length	With centre legrest	983mm (footplate flipped)	1160mm
	With centre power legrest	983mm (footplate flipped)	1130mm
	With swingaway legrest	983mm (legrest removed)	1080mm
	With swingaway power legrest	983mm (legrest removed)	1125mm
Minimum turning radius	With centre legrest	665mm	
	With centre power legrest	640mm	
	With swingaway legrest	615mm	
	With swingaway power legrest	655mm	
Overall base width	With off-road wheels	660mm	
	With crossover wheels	635mm	
	With urban wheels	610mm	

NOTE: Depending on seat width, armrests can be wider than the base

Seat to floor height at front not including cushion	With power lift and power tilt		435mm	735mm
	With power tilt		435mm	
	With fixed seat		430mm	
Total mass including centre power legrest and anti-shear rehab back	With power lift and power tilt		127kg (no batteries)	173kg (with batteries)
	With power tilt		119kg (no batteries)	165kg (with batteries)
	With fixed seat		103kg (no batteries)	149kg (with batteries)
Total weight influencers: batteries (set of 2)			46kg	
Transport weight of the heaviest part (1 battery)			23kg	
User weight 160 kg	Static stability (CLASS B - worst case with lift and tilt)	Downhill Uphill Sideways	14° 9° 12°	
	Static stability (CLASS C - worst case with tilt only)	Downhill / uphill / sideways	15°	
	Dynamic stability uphill (CLASS B)		6°	
	Dynamic stability uphill (CLASS C)		10°	
	Energy Consumption / Estimated Range		35km	
	The following aspects have a negative influence on the range of action: obstacles, rugged terrain, driving on slopes, exposure to temperatures below freezing point and frequent use of powered seat options			
Climbing capability for obstacles			50mm	
Min. braking distance at maximum speed			1.8mm	
Max speed forward			10kph	
Ground clearance (base)			90mm	

FRONTIER V6 AT AND HYBRID



Model designation of powerchair tested: Frontier V6 AT, with Power Lift, Power Tilt, Centre Legrest and MPS Backrest. Specifications for some common options are included. All measurements assume a seat depth of 460x460mm (18x18") and standard backrest heights. As each powerchair is built to order, variations to the information below are to be expected.

DESCRIPTION		MINIMUM	MAXIMUM
Overall base length	With centre legrest	1050mm (footplate flipped)	1165mm
	With centre power legrest	1050mm (footplate flipped)	1140mm
	With swingaway legrest	1050mm (legrest removed)	1165mm
	With swingaway power legrest	1050mm (legrest removed)	1235mm
Minimum turning radius	With centre / centre power legrest	595mm	
	With swingaway / swingaway power legrest	640mm	
Overall base width	With all terrain wheels	710mm	
	With crossover wheels	700 mm	
	With hybrid wheels	695mm	

NOTE: Depending on seat width, armrests can be wider than the base

Seat to floor height at front not including cushion	With power lift and power tilt	435mm	735mm
	With power tilt	435mm	
	With fixed seat	430mm	
Total mass including centre power legrest and anti-shear rehab back	With power lift and power tilt	122kg (no batteries)	168kg (with batteries)
	With power tilt	114kg (no batteries)	160kg (with batteries)
	With fixed seat	98kg (no batteries)	144kg (with batteries)
Total weight influencers: batteries (set of 2)		46kg	
Transport weight of the heaviest part (1 battery)		23kg	
Static stability (worst case with lift and tilt)	Downhill / uphill / sideways	15°	
Dynamic stability uphill		10°	
Energy Consumption / Estimated Range		35km	
The following aspects have a negative influence on the range of action: obstacles, rugged terrain, driving on slopes, exposure to temperatures below freezing point and frequent use of powered seat options			
Climbing capability for obstacles		120mm	
Min. braking distance at maximum speed		1.8m	
Max speed forward		10kph	
Ground clearance (base)		90mm	

FRONTIER V6 C73 AND C40 (NOT AVAILABLE IN USA/EU)



Model designation of powerchair tested: Frontier V6 C73, with Power Lift, Power Tilt, Centre Legrest and Rehab Backrest. Specifications for some common options are included. All measurements assume a seat depth of 460x460mm (18x18") and standard backrest heights. As each powerchair is built to order; variations to the information below are to be expected.

DESCRIPTION		MINIMUM	MAXIMUM
Overall base length	Centre legrest	955mm (footplate flipped)	1135mm
	Centre power legrest	955mm (footplate flipped)	1110mm
	Swingaway legrest	955mm (legrest removed)	1175mm
	Swingaway power legrest	955mm (legrest removed)	1175mm
Minimum turning radius	Centre / centre power legrest	550mm	
	Swingaway / swingaway power legrest	615mm	
Overall base width	Hybrid wheels	655mm	

NOTE: Depending on seat width, armrests can be wider than the base

Seat to floor height at front not including cushion	Power lift and power tilt	435mm	735mm
	Power tilt	435mm	
	Fixed seat	430mm	
Total mass including centre power legrest and anti-shear rehab back	Power lift and power tilt	92kg (no batteries)	138kg (with batteries)
	Power tilt	84kg (no batteries)	130kg (with batteries)
	Fixed seat	68kg (no batteries)	114kg (with batteries)
Total weight influencers: batteries (set of 2)		46kg	
Transport weight of the heaviest part (1 battery)		23kg	
Static stability (worst case with lift and tilt)	Downhill / uphill / sideways	10°	
Dynamic stability uphill		6°	
Energy Consumption / Estimated Range		35km	
The following aspects have a negative influence on the range of action: obstacles, rugged terrain, driving on slopes, exposure to temperatures below freezing point and frequent use of powered seat options			
Climbing capability for obstacles		70mm	
Min. braking distance at maximum speed		1.8m	
Max speed forward		10kph	
Ground clearance (base)		85mm	

FRONTIER V4 RWD



Model designation of powerchair tested: Frontier V4 RWD with Roller, Power Lift, Power Tilt, Centre Legrest and MPS Backrest. Specifications for some common options are included. All measurements assume a seat depth of 460x460mm (18x18") and standard backrest heights. As each powerchair is built to order; variations to the information below are to be expected.

DESCRIPTION		MINIMUM	MAXIMUM
Overall base length	Centre legrest	1030mm (footplate flipped)	1250mm
	Centre power legrest	1060mm (footplate flipped)	1245mm
	Swingaway legrest	930mm (legrest removed)	1210mm
	Swingaway power legrest	930mm (legrest removed)	1210mm
Minimum turning radius	Centre / centre power legrest	940mm	
	Swingaway / swingaway power legrest	915mm	
Overall base width	All terrain wheels	710mm	
	Hybrid wheels	640mm	

NOTE: Depending on seat width, armrests can be wider than the base

Seat to floor height at front not including cushion	Power lift and power tilt	435mm	735mm
	Power tilt	435mm	
	Fixed seat	430mm	
Total mass including centre power legrest and anti-shear rehab back	Power lift and power tilt	123kg (no batteries)	169kg (with batteries)
	Power tilt	115kg (no batteries)	161kg (with batteries)
	Fixed seat	99kg (no batteries)	145kg (with batteries)
Total weight influencers: batteries (set of 2)		46kg	
Transport weight of the heaviest part (1 battery)		23kg	
Static stability (worst case with lift and tilt)	Downhill / uphill / sideways	10°	
Dynamic stability uphill		6°	
Energy Consumption / Estimated Range		35km	
The following aspects have a negative influence on the range of action: obstacles, rugged terrain, driving on slopes, exposure to temperatures below freezing point and frequent use of powered seat options			
Climbing capability for obstacles		70mm	
Min. braking distance at maximum speed		1.9m	
Max speed forward		10kph	
Ground clearance (base)		85mm	

FRONTIER V4 FWD



Model designation of powerchair tested: Frontier V4 FWD, with Power Lift, Power Tilt, Centre Legrest and MPS Backrest. Specifications for some common options are included. All measurements assume a seat depth of 460x460mm (18x18") and standard backrest heights. As each powerchair is built to order; variations to the information below are to be expected.

DESCRIPTION		MINIMUM	MAXIMUM
Overall base length	Centre legrest	995mm (footplate flipped)	1125mm
	Centre power legrest	995mm (footplate flipped)	1090mm
	Swingaway legrest	995mm (legrest removed)	1130mm
	Swingaway power legrest	995mm (legrest removed)	1130mm
Minimum turning radius	Centre / centre power legrest	660mm	
	Swingaway / swingaway power legrest	660mm	
Overall base width	All terrain wheels	710mm	
	Hybrid wheels	640mm	

NOTE: Depending on seat width, armrests can be wider than the base

Seat to floor height at front not including cushion	Power lift and power tilt	435mm	735mm
	Power tilt	435mm	
	Fixed seat	430mm	
Total mass including centre power legrest and anti-shear rehab back	Power lift and power tilt	124kg (no batteries)	170kg (with batteries)
	Power tilt	116kg (no batteries)	162kg (with batteries)
	With fixed seat	100kg (no batteries)	146kg (with batteries)
Total weight influencers: batteries (set of 2)		46kg	
Transport weight of the heaviest part (1 battery)		23kg	
Static stability (worst case with lift and tilt)	Downhill / uphill / sideways	10°	
Dynamic stability uphill		6°	
Energy Consumption / Estimated Range		35km	
The following aspects have a negative influence on the range of action: obstacles, rugged terrain, driving on slopes, exposure to temperatures below freezing point and frequent use of powered seat options			
Climbing capability for obstacles		80mm	
Min. braking distance at maximum speed		1.9m	
Max speed forward		10kph	
Ground clearance (base)		90mm	

EXTREME X8 COLOUR OPTIONS

STANDARD COLOURS



Flame Red



Ocean Blue



Stealth Black



Desert Tangerine



Sunrise Yellow



Forest Green



PREMIUM COLOURS



Forest Camo



Army Camo



Flames Fury

Note: Colours shown on screen may not exactly match product. Please see physical colour swatches for actual colour.

FRONTIER COLOUR OPTIONS

Frontier
V6 V4

STANDARD COLOURS



Flame Red



Black Onyx



Space Blue

PREMIUM COLOURS



Lucent Lime



Army Green



Blaze Blue



Burnt Orange



Forest Green



Ultra Violet



Sunrise Yellow



Silver Streak



Hot Pink

Note: Colours shown on screen may not exactly match product. Please see physical colour swatches for actual colour.

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MAGIC 360 COLOUR OPTIONS (ALL COLOURS ARE STANDARD)



Sunset Red



Horizon Blue



Lucent Lime



Desert Orange



Sunrise Yellow



Stormy Silver



Rich Garnet



Midnight Black



Dusk Purple



Vivid Pink



Flames Fury



Camo Forest



Carbon Fibre

Note: Colours shown on screen may not exactly match product. Please see physical product for actual colour.

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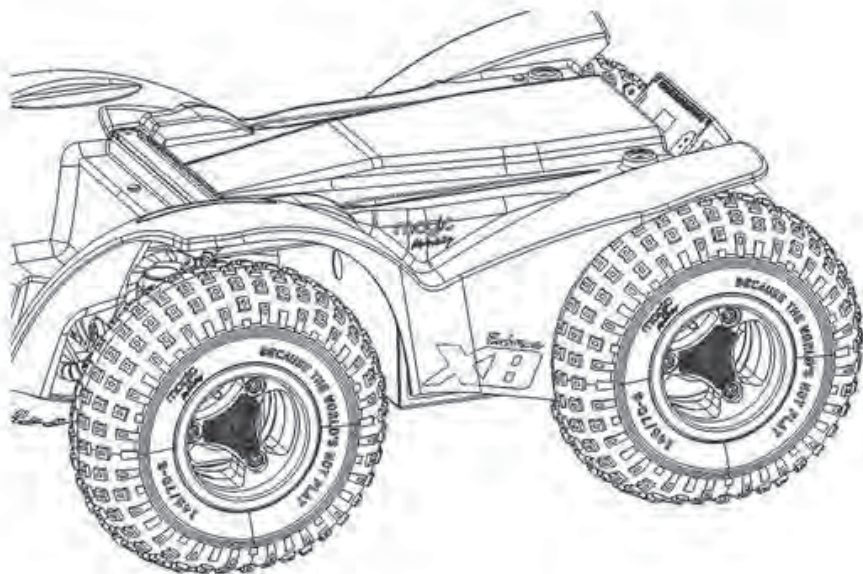
MAGIC 360 COLOUR OPTIONS (ALL COLOURS ARE STANDARD)



Note: Colours shown on screen may not exactly match product. Please see physical product for actual colour.

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LIFTING RINGS - X8



NOTES

For lifting an X8 wheelchair into a vehicle
via 4 point lifting straps and hoist

- Not a substitute for tie down rings
- Not crash tested
- Not a restraint point
- Not to be used while chair is occupied

EXTREME X8 STABILITY ROLLER

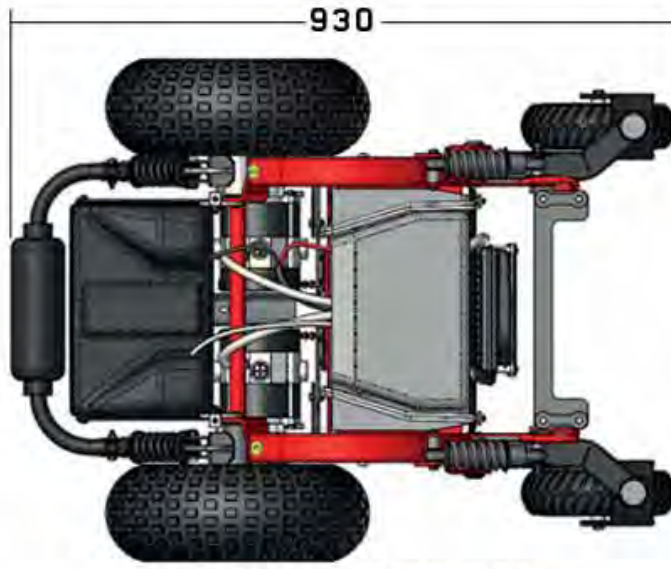


Additional roller to reduce chance of tipping backwards when driving up an incline
Roller height allows for a 5" obstacle climb without bottoming out

V4 RWD STABILITY OPTIONS

ROLLER

- Better support in soft terrain
- Longer base length
- Tighter turning radius

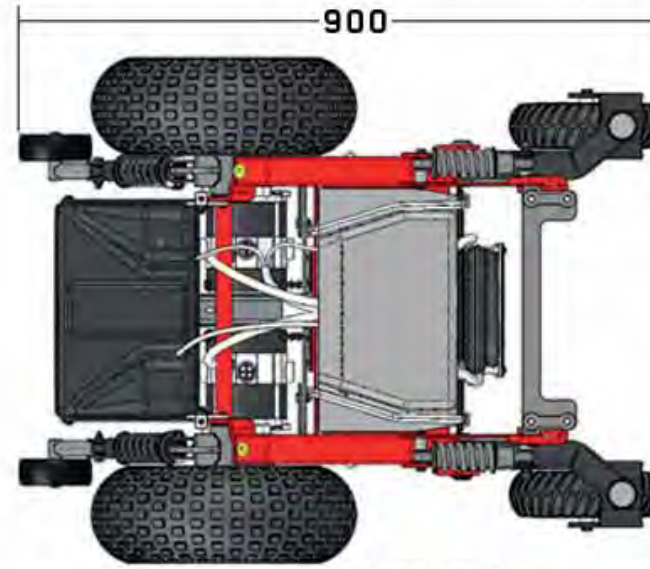


TURNING RADIUS 510



STABILITY WHEELS

- Less resistance on hard terrain
- Shorter base length
- Larger turning radius
- Better for chairs with attendant controls



TURNING RADIUS: 520



MAGIC 360 DRIVE WHEEL



BLACK PNEUMATIC

OFF-ROAD

- Soft ride with good shock absorption
 - Best traction on all surfaces
 - 660mm base width



BLACK PNEUMATIC



GREY PNEUMATIC

CROSSOVER

- Soft ride with decent shock absorption
 - Good traction
 - Grey tyre non-marking
 - 635mm base width



BLACK PNEUMATIC



GREY PNEUMATIC



BLACK SOLID



GREY SOLID

URBAN

- Polyurethane solid inserts cannot be punctured
 - Black tyre is low-marking compound
 - Grey tyre non-marking
 - 610mm base width



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MAGIC 360 PUNCTURE RESISTANCE



NEVERFLAT

- Offers good puncture protection for pneumatic tyres

Liner fits in between tube and tyre, providing a robust protective barrier



PUNCTURE RESISTANT KIT (WITH PNEUMATIC OFF-ROAD TYRES)

- Offers comprehensive protection against glass, tacks, thorns, etc.
 - Produced with aramid fibre and natural rubber
 - Filled with Neverflat to give extra protection
- Can be retrofitted to all Magic Mobility chairs with knobby tyres

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EXTREME & FRONTIER DRIVE WHEEL RIM OPTION

Black

Silver



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EXTREME & FRONTIER DRIVE WHEEL



PNEUMATIC

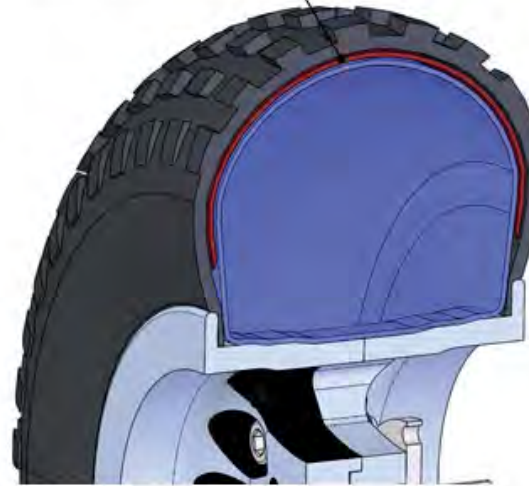
- Soft ride with good shock absorption
- Best traction on all surfaces



SOLID

- Polyurethane solid inserts cannot be punctured
- Harder ride characteristics

Liner (red) fits in between tube (blue) and tyre, providing a robust protective barrier



PUNCTURE RESISTANCE KIT (WITH PNEUMATIC KNOBBY TYRES)

- Offers comprehensive protection against glass, tacks, thorns, etc.
- Produced with aramid fibre and natural rubber
- Filled with Neverflat to give extra protection
- Can be retrofitted to all Magic Mobility chairs with knobby tyres



NEVERFLAT

- Offers good puncture protection for pneumatic tyres

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MAGIC 360 UNDERSEAT OPTIONS



12" Lift
45° Tilt

LIFT AND TILT



3° Posterior
Fixed Angle

FIXED



50° Tilt

Note: Max. tilt angle may be slightly
restricted on some seating setups to
prevent impact with drive wheels

TILT

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MAGIC 360 SEAT HEIGHT

FLOOR TO SEAT HEIGHT

-25 front, +25 rear: 410mm

Std (leave as is): 435mm

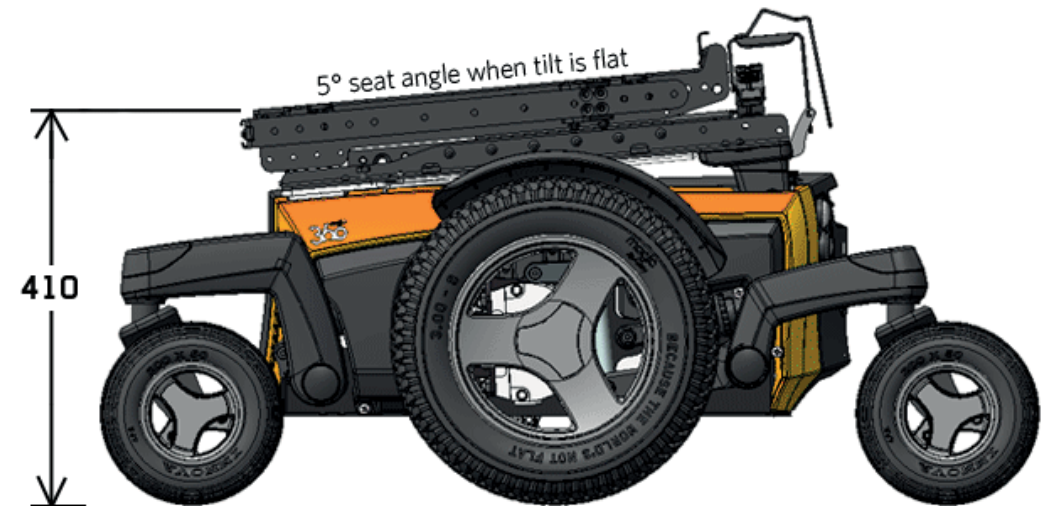
+25: 460mm

+50: 485mm

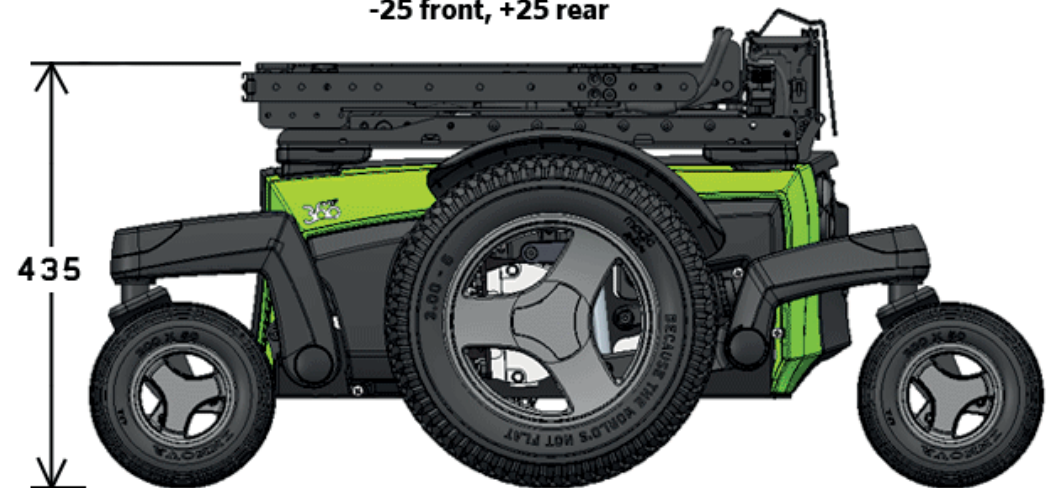
USO mount brackets are adjustable upwards to change seat height

Std

435mm FTS Height



-25 front, +25 rear



Std

MINIMUM recommended spacing based on legrest length:

Legrest Length	Spacing
0-370	-
375-400	25
405+	50

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TO SHIFT SEATING BACK 45MM

GOOD FOR GETTING MORE WEIGHT ON DRIVE WHEELS ON REAR WHEEL DRIVE



1. Undo M6 screws on sides (some may need to be heated to help release Loctite)



2. Shift Lift and Tilt unit back one hole position (45mm)



3. Add Loctite to M6 screws and fit back in place

EXTREME & FRONTIER UNDERSEAT OPTIONS



50° Tilt

TILT



12" Lift
45° Tilt

LIFT AND TILT



13° Anterior Tilt
(50° Posterior Tilt or
12" Lift, 45° Posterior Tilt)

TRANSFER TILT
(INCLUDES EITHER TILT OR LIFT & TILT)



3° Posterior
Fixed Angle

FIXED

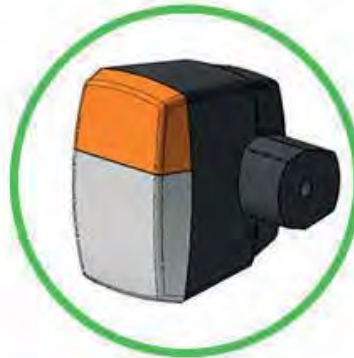
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POWER OPTION HARNESS

**NO LIGHTING
NO POWER OPTIONS**



LIGHTING ONLY



**LIGHTING AND/OR
POWER OPTIONS
(LEGS, BACK, DOCKING PIN,
STEERING LOCK)**



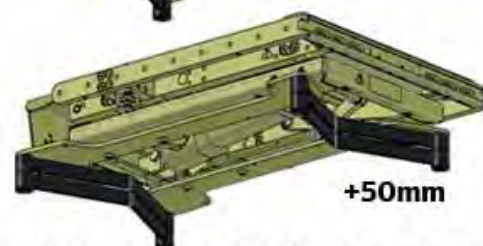
OR



EXTREME & FRONTIER RAISE SEAT HEIGHT



+25mm

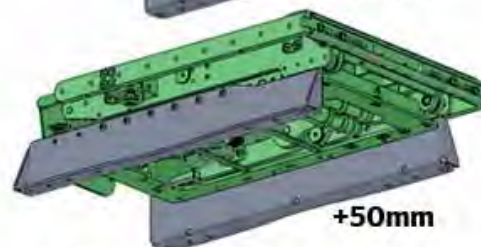


+50mm

For fixed frame and for tilt module - 25mm vee spacers are fitted to raise height



+25mm



+50mm

For lift and tilt module - angle mounting bracket is replaced to raise height

FLOOR TO SEAT HEIGHT
V4 AND V6

Standard: 435

+25: 460

+50: 485



435

FLOOR TO SEAT HEIGHT
XB

Standard: 470

+25: 495

+50: 520



470



For transfer tilt - side brackets are replaced to raise height

MINIMUM recommended spacing based on legrest length:

Legrest Length	Spacer
0-370	-
375-400	25
405+	50

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360 LIGHTING AND POSITION

NO LIGHTS

Reflective strips on power module cover



LIGHTS ON BASE

Rear lights on power module cover

Front lights on base

- Front lights sprung mount to protect from impact
- Front lights will point forward regardless of tilt angle or seat lift



LIGHTS ON SEAT

Rear lights on power module cover

Front lights on side rail

- Front lights will follow tilt angle and seat lift



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X8 LIGHTING AND POSITION

LIGHTS ON BASE

- Front lights will point forward regardless of tilt angle or seat lift



LIGHTS ON SEAT

- Front lights on side rail
- Front lights will follow tilt angle and seat lift



Exact front and rear light position will be tailored for each chair depending on legrests, tie-downs, knee pads, backrest recline, tilt and fold forward.
Front and rear lights may not come with rubber mounts depending on mounting position.

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V4 & V6 LIGHTING AND POSITION

LIGHTS ON SEAT

- Front lights on side rail
- Front lights will follow tilt angle and seat lift



Note: 'Lights on Base' option is not available on Frontier models due to potential interference with front arms and tie-down rings

Exact front and rear light position will be tailored for each chair depending on legrests, knee pads, backrest recline, tilt and fold forward.

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STABILITY MODULE

SLOPE ANGLE DETECTION

- Enables the chair to be aware of its backrest angle relative to the horizon
- Includes the accumulation of backrest recline, seating tilt and ground incline put together
- Slope sensor uses this information to minimise the chance of the chair becoming unstable through body weight being too far back

Backrest Angle Inhibits:

	Backrest Angle	Resulting Inhibit
	0° - 30°	None
	31° - 50°	Lift
	> 51°	Lift Up Tilt Back Recline Back Drive

FORWARD DRIVE STABILITY

- Ideally suited to Front Wheel Drive
- Prevents wheelchair from spinning or skidding out of control when cornering
- Best for clients who primarily drive on slippery surfaces such as floorboards or polished concrete
- Not recommended for users who drive regularly on grippy surfaces such as pavement, asphalt or hard-packed gravel

RETRACTABLE DOCKING PIN

Crash tested docking pin for Frontier V6 MWD and V4 FWD bases

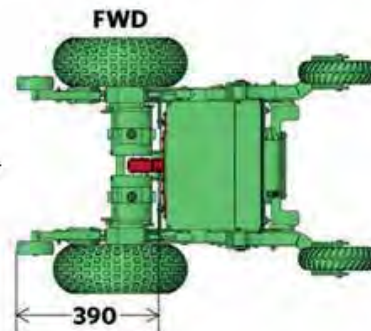
- Pin diameter is Ø16mm and outer head of pin is Ø28mm. Head is 6mm thick.
- In **up** position, bottom of pin is flush with bottom of battery box
- In **down** position, approximate distance from top **face of pin to ground** is 45mm on V6 AT & Hybrid, and approx. 35mm on V6 C40 & 73

Compatible with current (2015) Q-Straint and EZ Lock docking stations

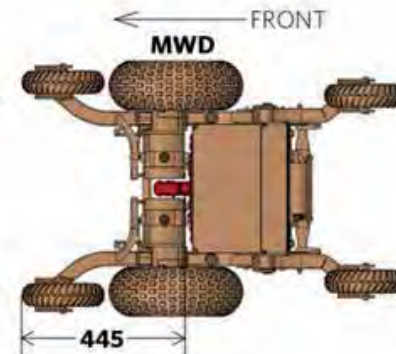
Depending on vehicle setup, drop down Flexi armrests may be useful to clear steering wheel

The docking pin cannot be fitted when there is a transfer tilt mechanism

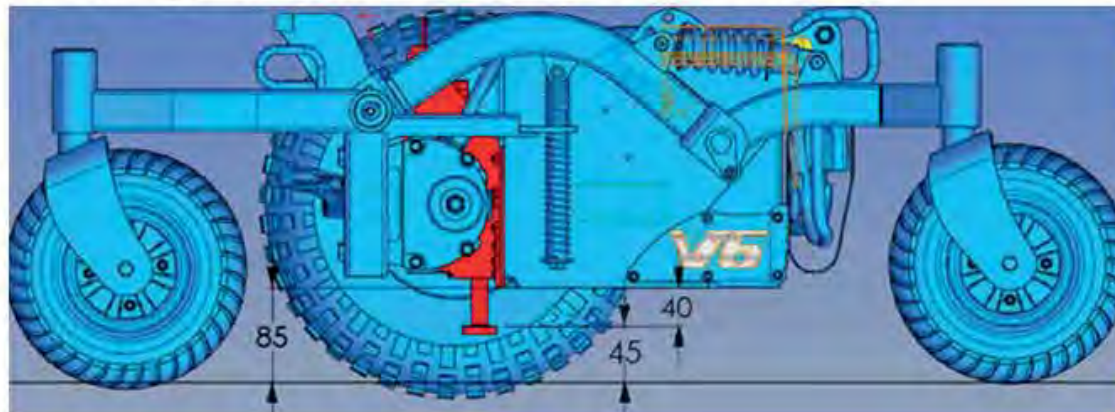
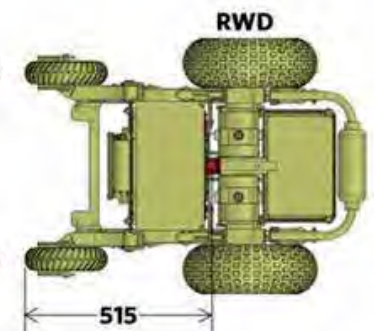
- Centre of pin is 390mm behind front of anti-tip wheels on V4 FWD



- Centre of pin is 445mm behind front castors on V6 AT and Hybrid and 397mm on Compact 40 & 73

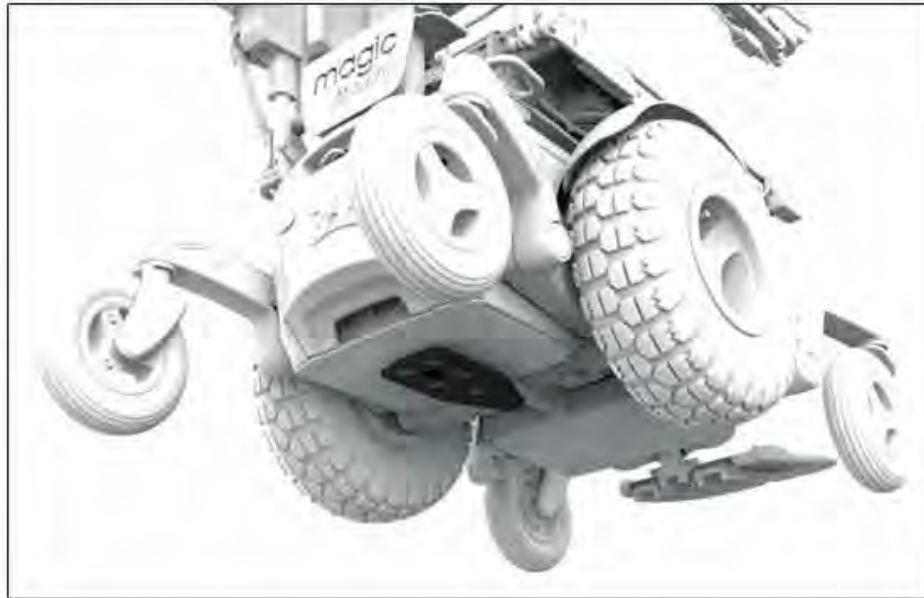


- Centre of pin is 515mm behind front of front castors on V4 RWD



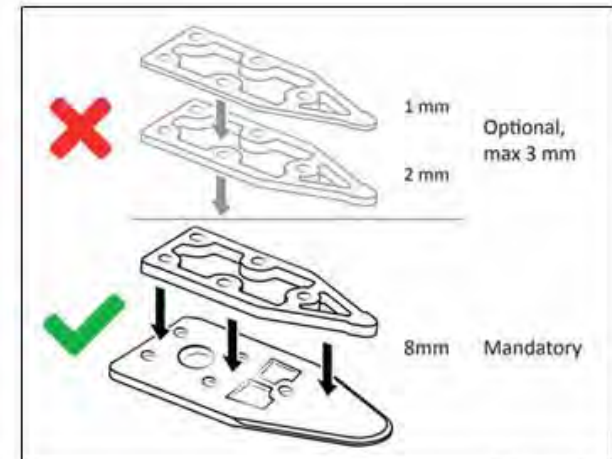
© Magic Mobility 2015

DAHL DOCKING PLATE



Dahl docking plate supplied fitted to Magic 360 by Magic Mobility

- Magic 360 has been successfully crash tested to ISO 7176-19 with Dahl docking plate
- **Maximum user weight 136kg**
- 8mm spacer fitted as standard. Optional spacers not fitted unless specifically requested
- Dahl dock and associated accessories **not** supplied by Magic Mobility



© Magic Mobility 2021

Seating

SEAT SYSTEM

MPS



REHAB



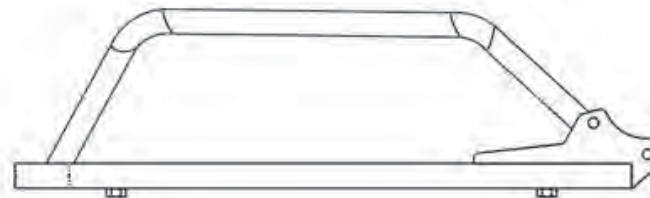
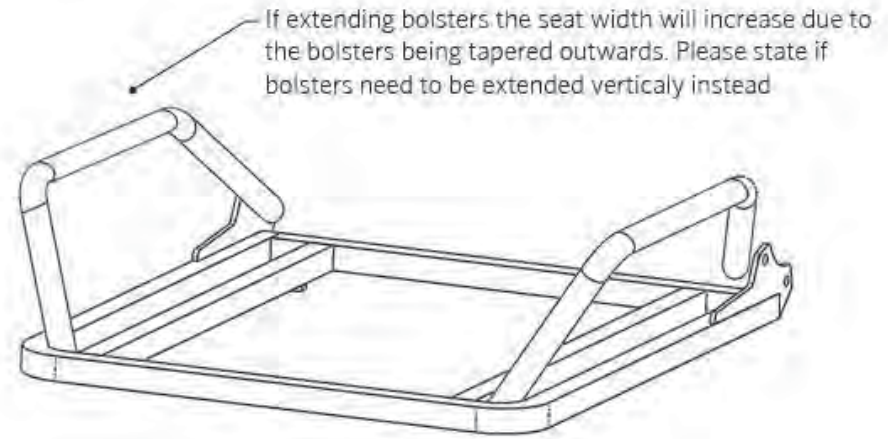
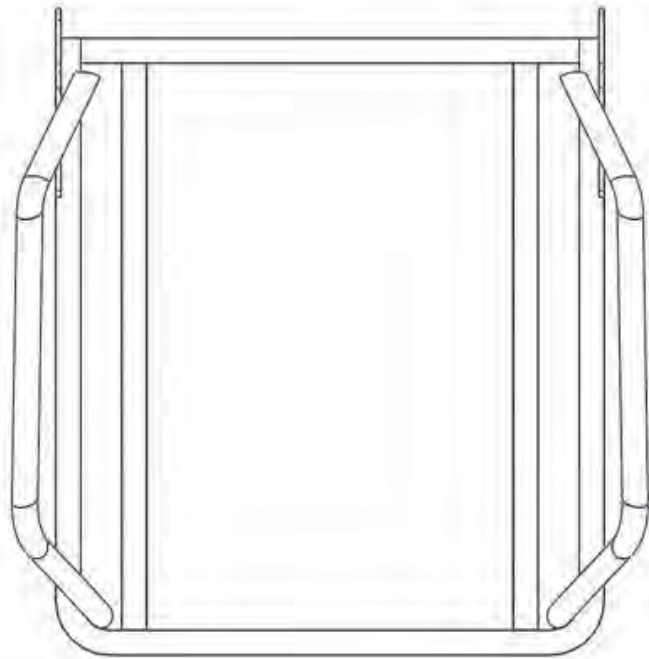
All rehab seats come with an adjustable seat pan



If MPS seat is selected with a fold forward backrest, the seat will be mounted to adjustable seat pan with Velcro

CUSTOM MPS SEATING

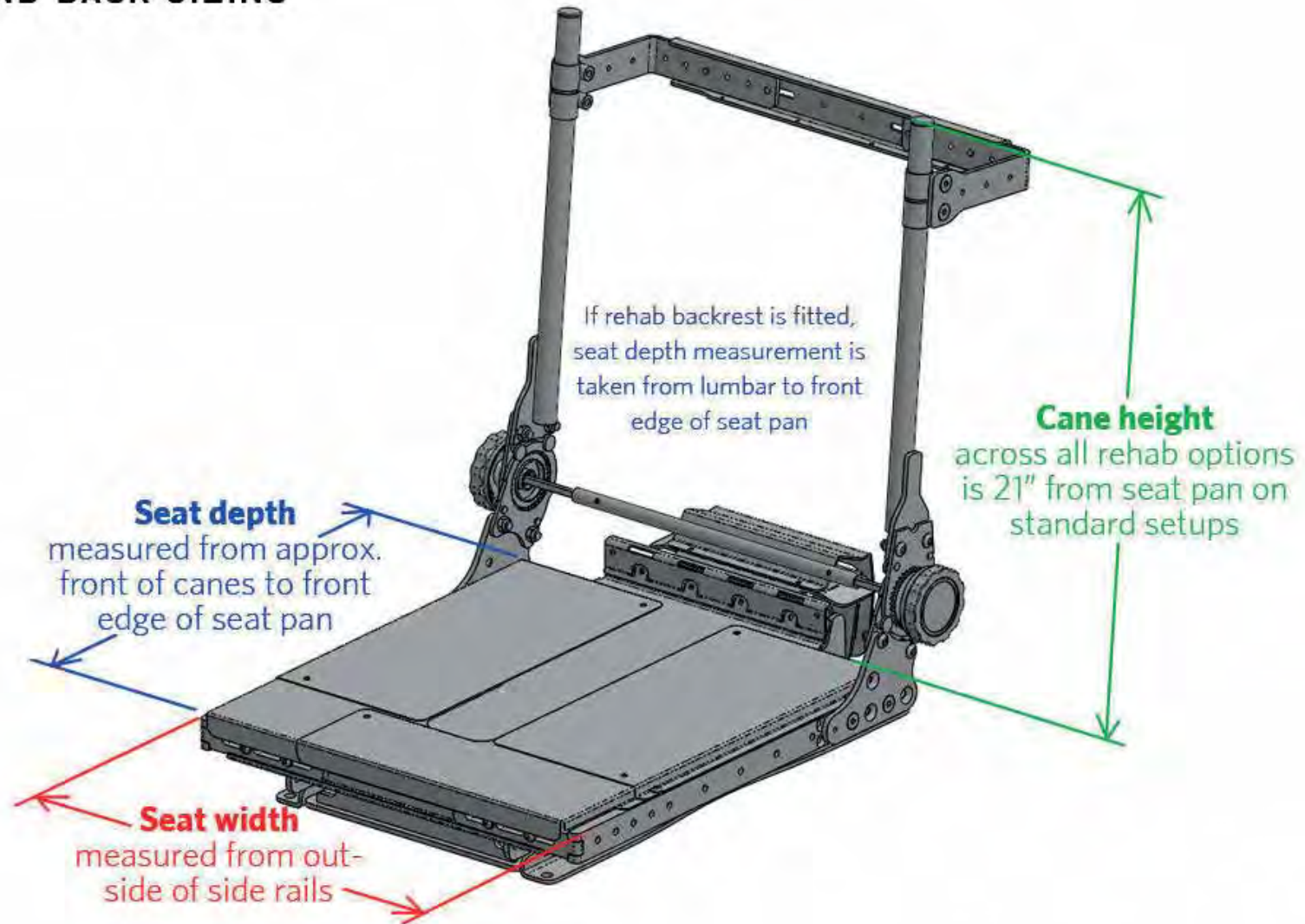
For customisation request please sketch intended geometry over below templates



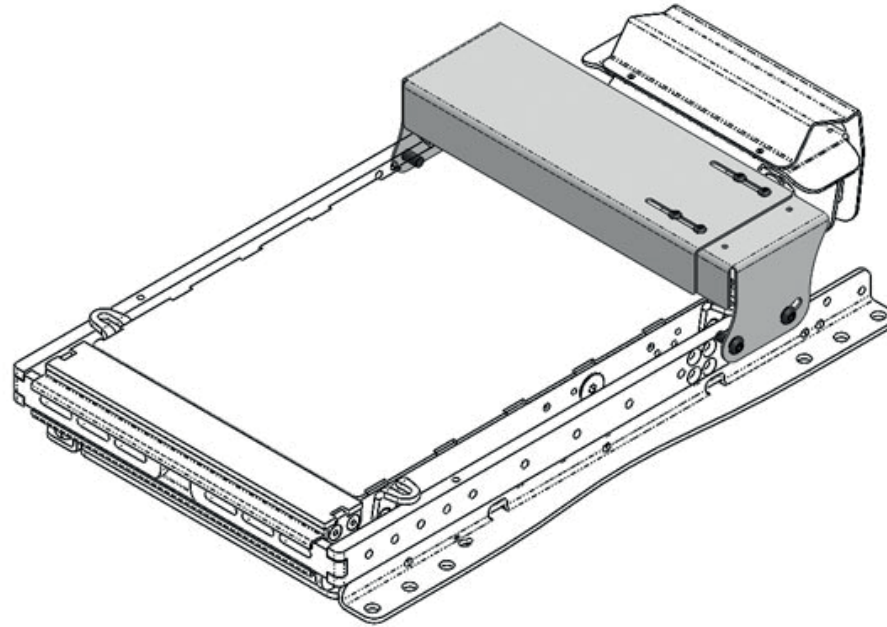
MPS SEAT AND BACK SIZING



REHAB SEAT AND BACK SIZING



NARROW SEAT CABLE COVER



For seat widths of 14" or less, a cover is required for the bus/lighting cables as there is no space for them behind the side rails

Backrest

BACKREST SYSTEM FOR REHAB SEAT



MPS BACKREST

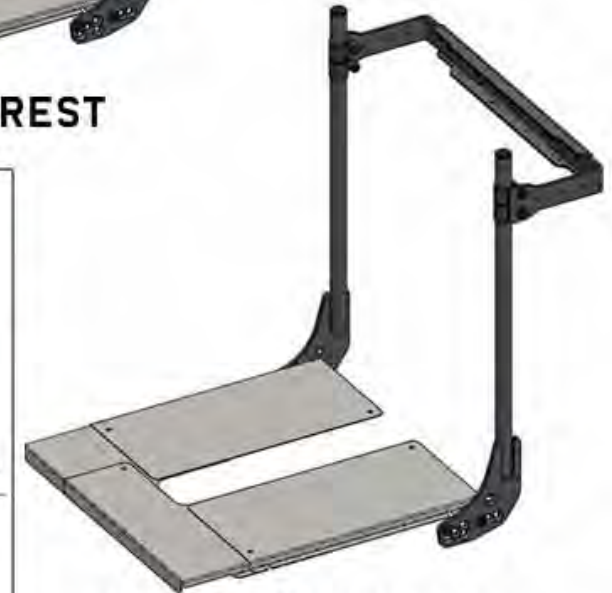


**MPS BACKREST
WITH FOLD FORWARD**

MPS back is mounted to canes with quick release clamps. This arrangement allows the MPS back to be removed easily and the overall height when folded forward to be minimal.



REHAB BACKREST



**REHAB BACKREST
WITH FOLD FORWARD**

© Magic Mobility 2016

BACKREST SYSTEM FOR MPS SEAT



MPS BACK
(WITH MPS SEAT)



MPS FOLD FORWARD BACK
(WITH MPS SEAT)

ASP is fitted with MPS seat Velcro-mounted on top.
MPS back is mounted to canes with quick release clamps.
This arrangement allows the MPS back and seat to be removed easily and the overall height when folded forward to be minimal.



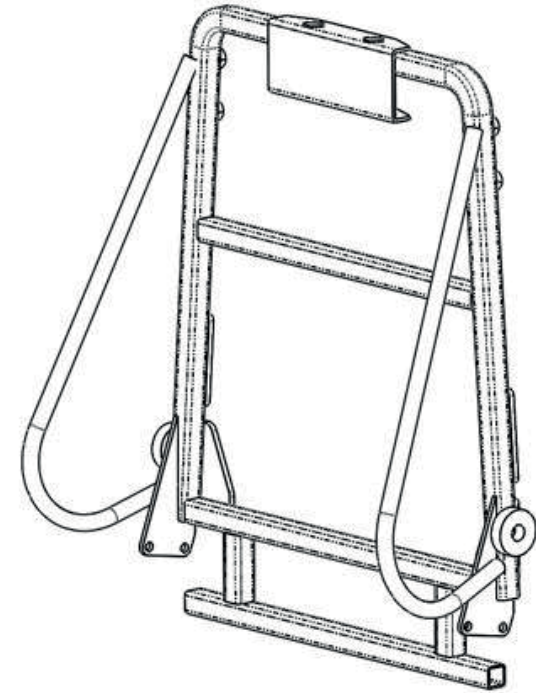
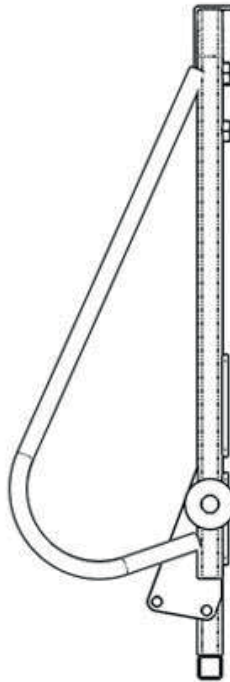
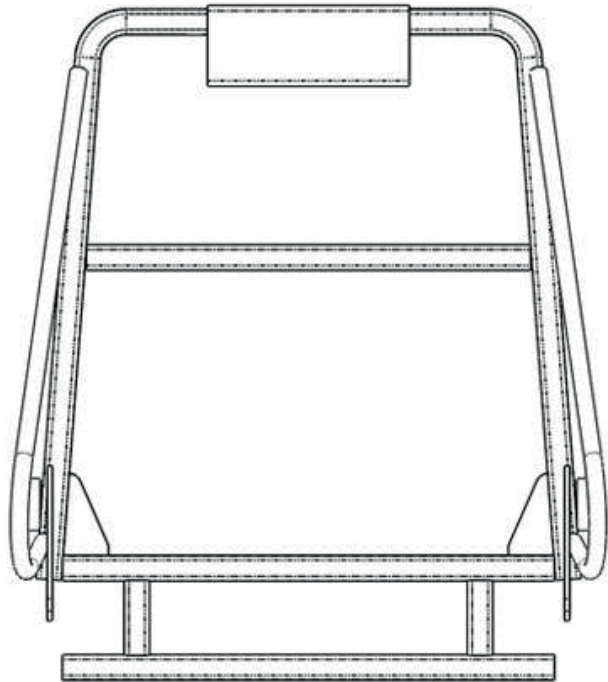
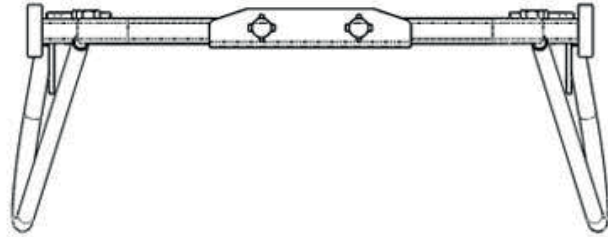
MPS BACK SIZING



© Magic Mobility 2016

MPS BACKREST CUSTOMISATION

For customisation request please sketch intended geometry over below templates



RECLINE OPTIONS - MPS SEAT AND BACK



MANUAL RECLINE

If client regularly reclines backrest
then power back is best option



Full recline is 150°

POWER RECLINE



**MANUAL RECLINE
FOLD FORWARD**

(MPS back mounted on canes,
MPS seat positioned with Velcro to ASP)



Full recline is 160°

**POWER RECLINE
FOLD FORWARD**

(MPS back mounted on canes,
MPS seat positioned with Velcro to ASP)

RECLINE OPTIONS - REHAB SEAT AND MPS BACK



MANUAL RECLINE



Full recline is 150°

POWER RECLINE



Full recline is 155°

**ANTI-SHEAR
POWER RECLINE**
(MPS back mounted on canes)



**HEAVY DUTY
POWER RECLINE**

Suitable for clients up to
205kg (450lb) in weight.

Note: if this option is selected with the
Tilt underseat option the Tilt unit will
need to be spaced up 25mm.



**MANUAL RECLINE
FOLD FORWARD**
(MPS back mounted on canes)



Full recline is 160°

**POWER RECLINE
FOLD FORWARD**
(MPS back mounted on canes)



Full recline is 155°

**ANTI-SHEAR
POWER RECLINE
FOLD FORWARD**

RECLINE OPTIONS - REHAB SEAT AND REHAB BACK



**FIXED
(WITH STD ARMS)**



Adjust bolt pattern to change back angle



**FIXED
(WITH FLEXI ARMS)**

Rotate turnbuckles to
change back angle
between 85° and 107°

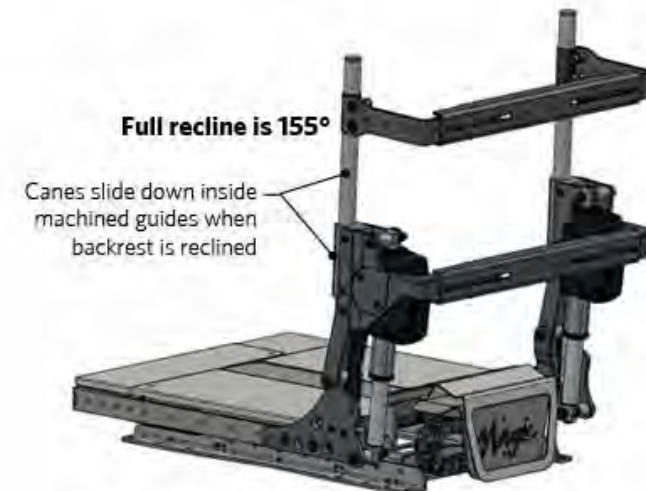


MANUAL RECLINE



Full recline is 160°

POWER RECLINE



Full recline is 155°

**ANTI-SHEAR
POWER RECLINE**

© Magic Mobility 2020

BACKREST CANE CUSTOMISATION



A

All Magic Mobility canes are 7/8" tube with a 2.5mm wall thickness



DETAIL 'A'

Ø22.2 (7/8")

2.5

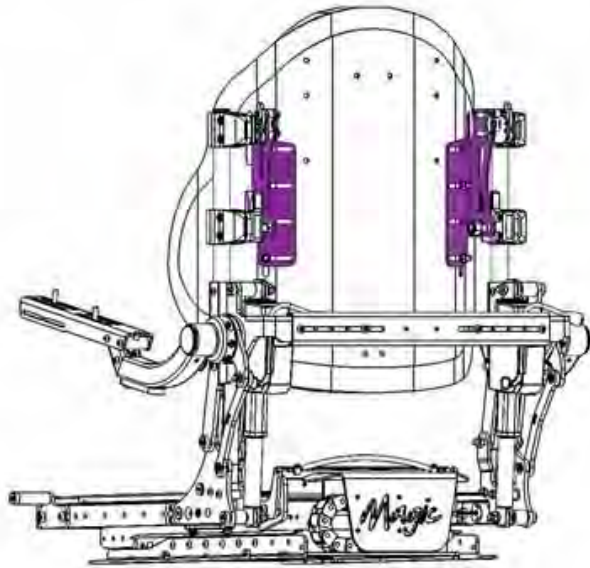


To reinforce canes, solid bar is welded inside the tube (approximately 250-300mm long depending on client height)

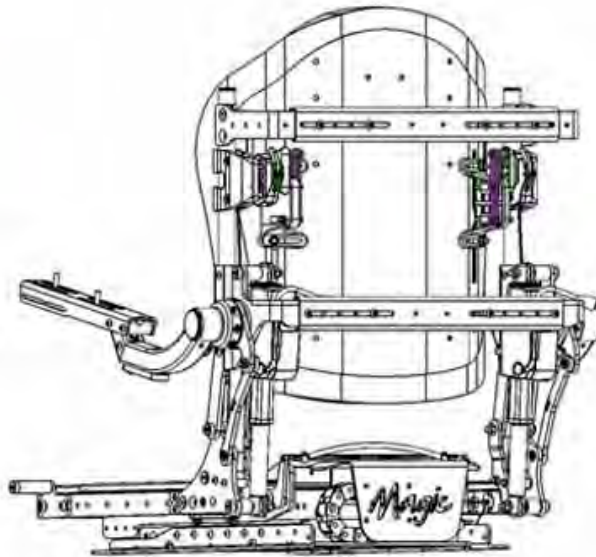


CUSTOM CANE LENGTH

AFTERMARKET BACKRESTS



**FIT JAY BACK WITH FS CLAMPS
TO MAGIC REHAB POWER BACKS
(STANDARD AND ANTI-SHEAR)**



**FIT JAY BACK WITH TH CLAMPS
TO MAGIC REHAB ANTISHEAR BACK**



**FIT SPEX BACK WITH QUAD MOUNT
TO MAGIC REHAB ANTISHEAR BACK**

MAGIC REHAB INSERT SIZE



Chest Width 'C'	Height 'Y' (mm)
330-470mm	
Large (Xtra tall)	530
Large	480
Large (Short)	430
280-420mm	
Medium (Xtra tall)	530
Medium	480
Medium (Short)	430
260-400mm	
Junior (Xtra tall)	410
Junior	350

- Bolsters can be mounted upside down for increased armpit support
- Bolster heights can be offset up and down, up to 25mm between each side (asymmetric)

BOLSTER OPTIONS



Depth '**D**' (mm)
Front of Backrest to
Front Edge of Bolster

Medium/Large Back

Shallow	110
Standard	160
Deep	220

Junior Back

Shallow	60
Standard	110

LUMBAR OPTIONS



	Lumbar Foam Thickness (mm)
Shallow	12
Standard	25
Deep	35
None	-

BOLSTER OPTIONS



Depth '**D**' (mm)
Front of Backrest to
Front Edge of Bolster

Medium/Large Back

Shallow	110
Standard	160
Deep	220

Junior Back

Shallow	60
Standard	110

CLAMP OPTIONS



STANDARD

Backrest is not removable without tools



QUICK RELEASE

Rotate levers 180° to release backrest

PUSH HANDLES



MPS Push Rail

- Most flexible option for use in conjunction with Attendant Control
- Does less damage to walls if impacted



MPS Peg Handles

- Softer grip than push rail
- Protrudes further than push rail



MPS Height Adjustable Handles

- Allows for more fine adjustment for attendant
- Attendant can use either push rail or handles



Rehab Spreader Bar

- Keeps canes parallel and can be used for pushing
- Fitted with neoprene grips when attendant control is selected



Rehab Peg Handles

- Softer grip than push rail
- Do not protrude as much as spreader bar



Rehab Peg Handles with Spreader

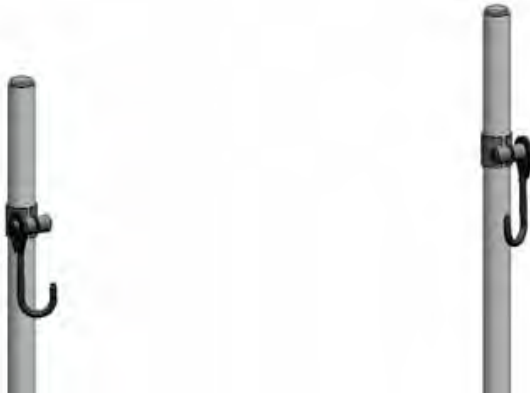
- A better option when a spreader bar is fitted
- Uses less cane height

BAG HOOKS ON THE BACKREST

BAG HOOKS ON BACKREST



REHAB



BAG HOOKS ON PUSH RAIL



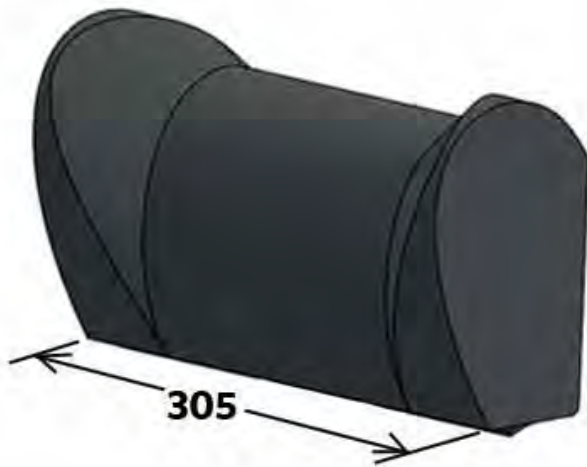
REHAB



© Magic Mobility 2016

Headrest choice

HEADREST TYPE



MPS HEADREST



MAGIC REHAB STANDARD



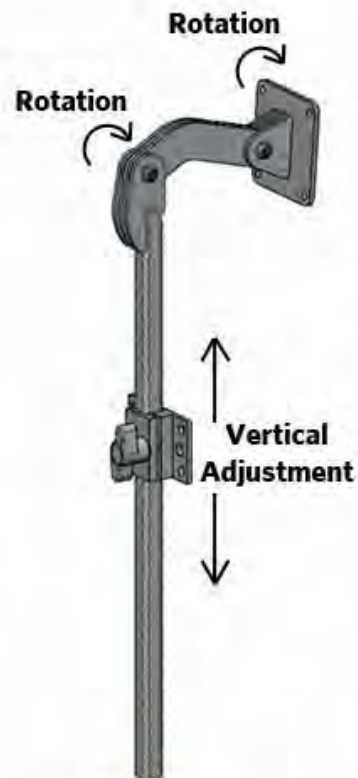
MAGIC REHAB WIDE

HEADREST MOUNT CHOICE



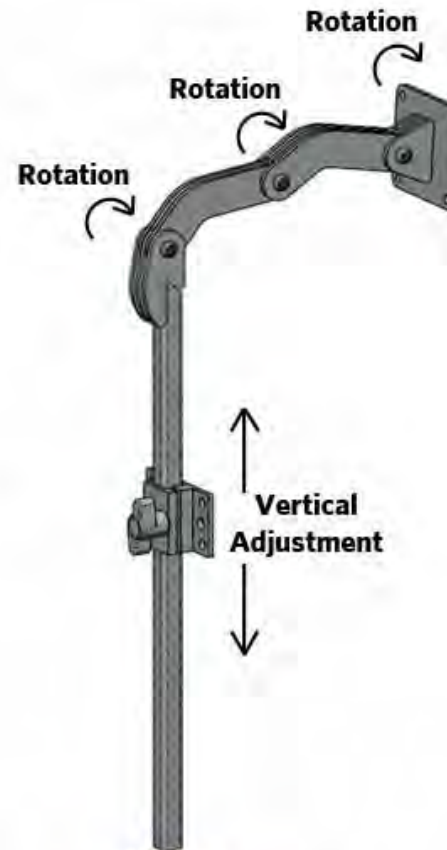
MPS Mount

(Double Prongs - MPS Headrest into MPS backrest only)



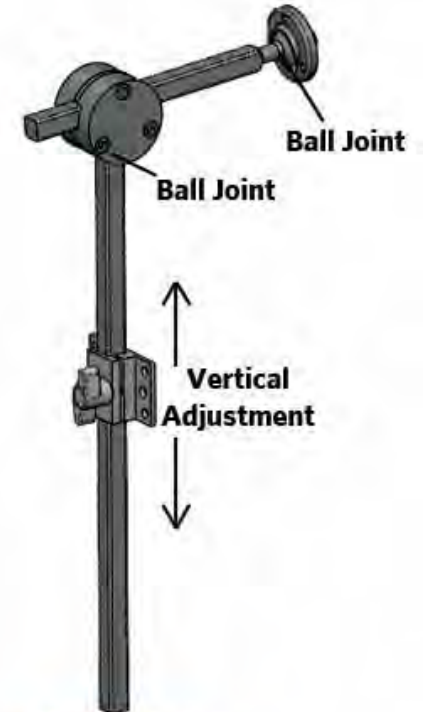
2 Axis

(Rehab or MPS Headrest)



3 Axis

(Rehab or MPS Headrest)



Multi-Axis

(Rehab or MPS Headrest)

Armrests

ARMREST TYPE (1)



Open camlock
to remove arm

STANDARD

Note: 25mm of extra adjustment
is added to bottom



Front leg clips off
mount for easy
release

Open camlock
to remove arm

DOUBLE STEM

For bariatric users



Flexi arms for rehab
backs shown here

FLEXI

Flip-up, paralleling

Note: Depending on requested armrest height the Flexi arms
will be assembled using slightly different parts. Therefore the
range for each armrest will not be the full 220-440mm:

Requested Height	Actual Range (Flexis on MPS back)
220-330mm	220-370mm
340-370mm	250-400mm
380-440mm	330-440mm

Requested Height	Actual Range (Flexis on Rehab back)
220-330mm	180-360mm
340-440mm	275-440mm

ARMPAD ADJUSTMENTS (ALL ARMREST TYPES)

Left to Right - 7mm increments

Front to Back - 70mm

Rotation +/- 12°



FLEXI ARMREST ADJUSTMENTS



Angle

Flexi arms for MPS
backs shown here

Height
Rotating Resistance
Flip-up Angle

© Magic Mobility 2020

ARMREST TYPE (2)



FLEXI ARMREST WITH LOCKING POSTS

- Prevents the armrests from lifting up
- Push bottom of posts forward to release to allow armrest to flip-up



FLEXI ARMREST WITH LOCKED POSITION

- Wedge prevents the armrests from flipping up to create a fixed position cantilevered armrest
- Can be removed by a service technician to return Flexi arms to normal flip-up functionality



FLEXI ARMREST WITH LOCKING POSTS AND DROP DOWN

- Push bottom of posts forward to release to allow armrest to drop down. This allows armrests to drop under a desk or drop clear of car steering wheel
- Prevents the armrests from lifting up (as per the standard locking post)
- Push bottom of posts forward to release to allow armrest to flip-up

© Magic Mobility 2020

ARMPADS



Allows the arm pads to be in tight to the user while still allowing flip up (Flexi arms only)



Optional elbow support pad
(not ideal when used with MPS back)



If **MPS, 50mm, 75mm, gutter or waterfalls** armpads are selected, the length of armpad fitted will generally be based on the seat depth.

See below table for details. If specific armpad length is required please state this on order form

SEAT DEPTH ►		12"	13"	14"	15"	16"	17"	18"	19"	20"	21"	22"	23"	24"
	50mm Arm Pad													
	75mm Arm Pad	255	255	305	305	305	355	355	355	380	380	380	380	380
	Gutter Arm Pad	— 50mm not available —									— 50mm not available —			
	Waterfall Arm Pad													
	MPS Arm Pad	-	-	-	-	355	355	405	405	460	460	460	460	460

← Armpad length

← Armpad length

magic
Mobility

ARMPAD WIDTHS VS SEAT WIDTHS VS BASE WIDTHS - FOR FLEXI ARMS ONLY

Armpad Type	Seat Width	Rehab Backrest												MPS Backrest													
		12"	13"	14"	15"	16"	17"	18"	19"	20"	21"	22"	23"	24"	12"	13"	14"	15"	16"	17"	18"	19"	20"	21"	22"	23"	24"
50mm		450	475	500	525	550	575	600	625	650	675	700	725	750	450	475	500	525	550	575	600	625	650	675	700	725	750
75mm		500	525	550	575	600	625	650	675	700	725	750	775	800	490	515	540	565	590	615	640	665	690	715	740	765	790
MPS Flip-out		490	515	540	565	590	615	640	665	690	715	740	765	790	490	515	540	565	590	615	640	665	690	715	740	765	790
MPS		535	560	585	610	635	660	685	710	735	760	785	810	835	525	550	575	600	625	650	675	700	725	750	775	800	825

Outer armpad widths shown in green boxes.

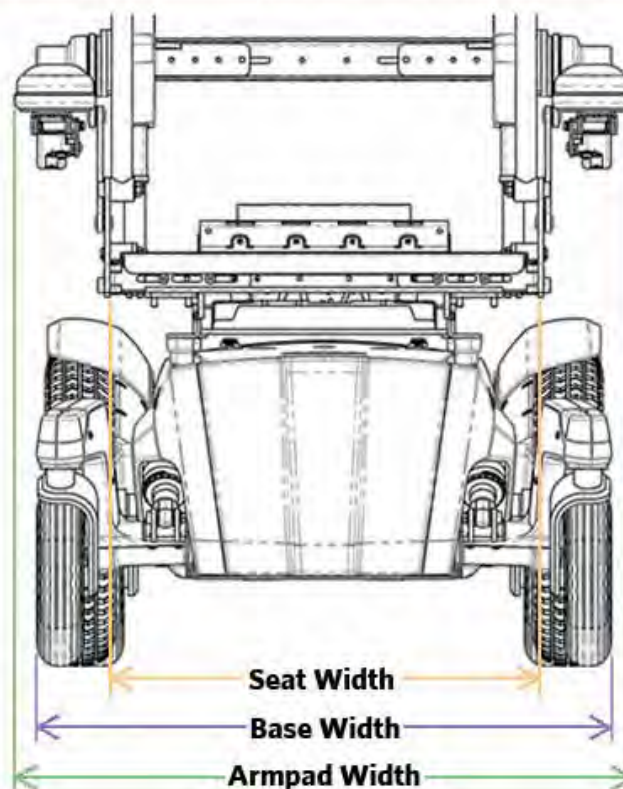
Select an armpad type and seat width, then compare the outer armpad dimension to the base width.

Base Widths

V4 FWD Hybrid	640
V4 FWD AT	710
V4 RWD Hybrid	640
V4 RWD AT	710
360 Urban	610
360 Crossover	635
360 Off-road	660
V6 C40	655
V6 C73	655
V6 Hybrid	695
V6 All Terrain	710
X8	710

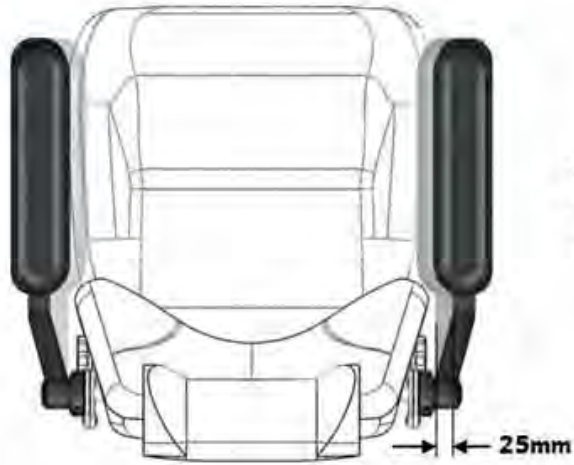
Note:

- Armpads are generally fitted as far inboard as possible while still allowing flip-up function, unless requested otherwise
- All dimensions are approximate



© Magic Mobility 2020

OFFSET OPTIONS



25mm Outboard

- Gives better clearance for backrests with wider bolsters
- Suits wider clients



25mm Inboard

- Allows armrests to be very close together
- May limit flipping up depending on bolster width
- Only works with narrower bolsters

BAG HOOKS (J-SHAPED)



BAG HOOKS FOR ARMREST BAG



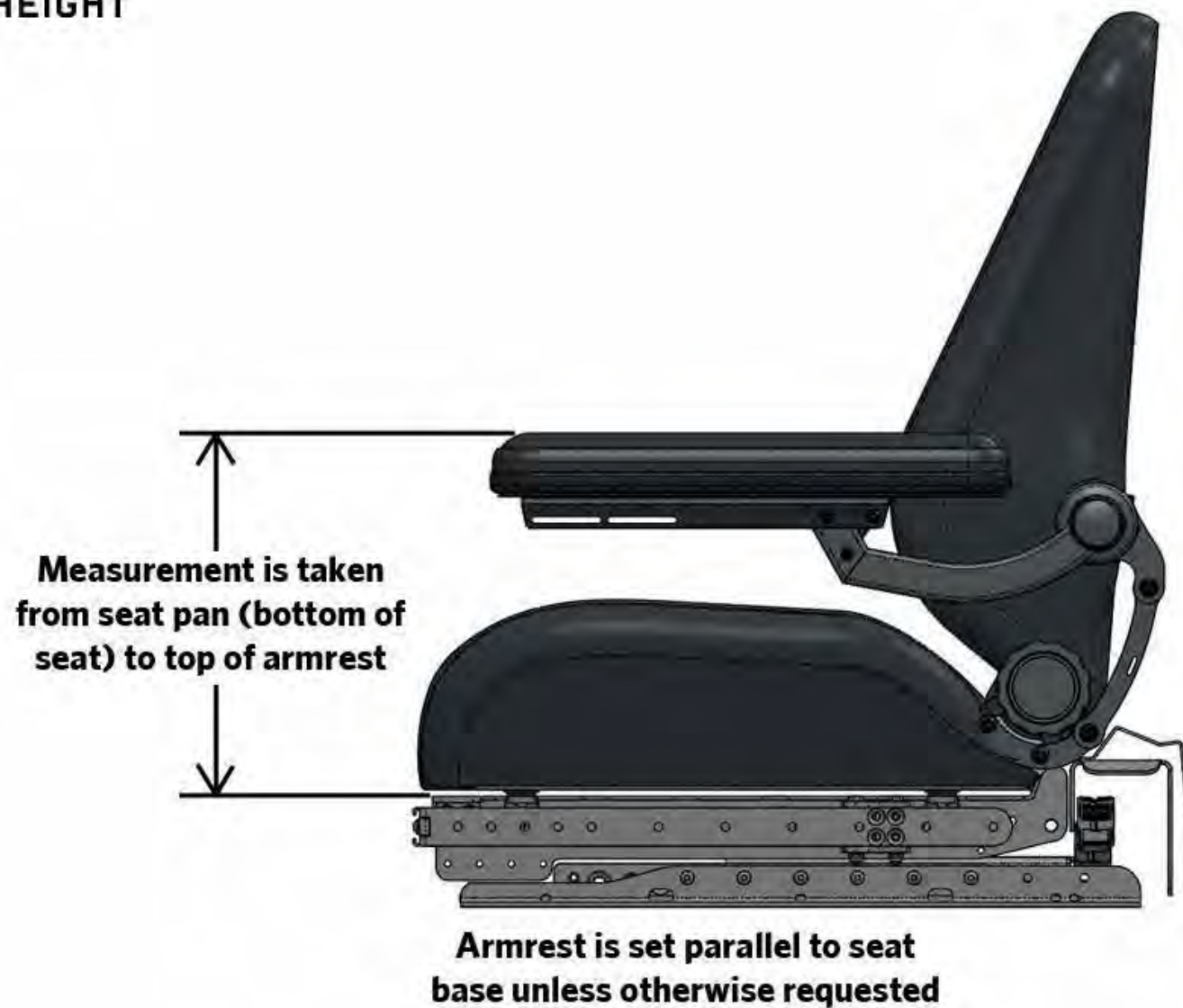
BAG HOOKS (J-SHAPED) & BAG HOOKS FOR ARMREST BAG



BRACKET FOR ARMREST BAG (WITH SWINGBACK JOYSTICK)



ARMREST HEIGHT



Lap Belt

LAP BELT OPTIONS



STANDARD POSTURE BELT



4 POINT SEAT BELT



RETRACTABLE LAP BELT



**BODYPOINT SEAT BELT
(VARIETY OF OPTIONS)**



LAP BELT SIZE



Extra length is built in for on-site adjustment

Positioning

ACCESSORY MOUNT

Note: Accessory Mount is always fitted by Magic Mobility when harness or rehab headrest is selected

Accessory mount can be used to mount rehab headrest, harness clasps, attendant control bracket, electronic modules, bag hooks, etc.



NO ACCESSORY MOUNT



**ACCESSORY MOUNT
(VISIBLE)**



**ACCESSORY MOUNT
(INSIDE UPHOLSTERY)**



ACCESSORY MOUNT IN CONJUNCTION WITH PEG HANDLES OR PUSH RAIL

MPS THORACIC SUPPORTS

**MPS STD BACKREST
ADJUSTABLE BRACKETS**



**MPS STD BACKREST
R82 SWINGAWAY BRACKETS**



**MPS INSERT BACKREST
ADJUSTABLE BRACKETS**



**MPS INSERT BACKREST
R82 SWINGAWAY BRACKETS**



CHEST STRAP



Vinyl strap with Velcro at the front and adjustable webbing strap at the back



Note: chest strap is supplied loose and is not physically connected to the wheelchair in any way

© Magic Mobility 2016

Controller

JSM TYPE



LCD COLOUR SCREEN



**LCD COLOUR SCREEN
PLUS ONE CLICK ACTIVATOR**



**LCD COLOUR SCREEN
WITH INTEGRATED TOGGLE SWITCHES**



**LCD COLOUR SCREEN
PLUS MULTI ACTIVATOR / REMOTE SWITCHES**



**LCD COLOUR SCREEN
MINUS LIGHTS AND INDICATOR BUTTONS**



BASIC LED (NO SCREEN)



**CJSM2 - IR + BT
COMES WITH INFRARED AND BLUETOOTH
CJSM2 - IR
COMES WITH INFRARED**



**CJSM2 - IR + BT
CJSM2 - IR
PLUS 'ON-THE-GO' ONE CLICK ACTIVATOR**



**CJSM2 - IR + BT
CJSM2 - IR
PLUS 'ON-THE-GO' MULTI ACTIVATOR /
REMOTE SWITCHES**



**ANY JSM WITH CUSTOM
JOYSTICK KNOB OR
PROGRAMMING**

ONE CLICK ACTIVATOR



Same side as joystick



If swingback joystick is fitted the One Click Activator will follow it when in swung back

For an attendant

Rehab Backrest

Note: The One Click Activator will be mounted on the opposite side from the attendant control (unless requested otherwise)

MPS Backrest



Opposite side to joystick



Note: If drinks holder or table is selected then Activator mount will be fitted with socket receiver. This is not fitted on the standard setup.

JOYSTICK KNOB OPTIONS



STANDARD



STICK S30



STICK S80



CHIN C38



SOFT BALL SB70



BALL B32



BALL B38

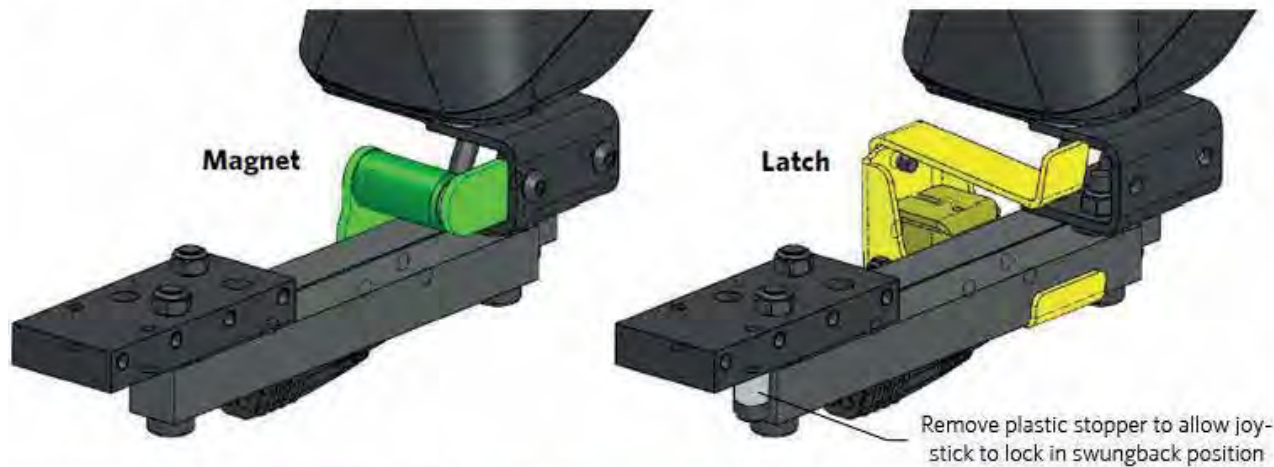


MUSHROOM M48



T-BAR T90

JOYSTICK SWINGBACK OPTIONS



Swingback Joystick Release Options

Magnet	Latch
<ul style="list-style-type: none"> Requires more force but no dexterity to release Can potentially release if wheelchair is being driven erratically or over rough terrain <ul style="list-style-type: none"> Releases more easily if impacted 	<ul style="list-style-type: none"> Requires minimal force but some dexterity to release Will stay locked at all times unless latch is pushed Less likely to release if impacted, potentially causing more damage Can be locked in fully swung-back position (optional) <ul style="list-style-type: none"> Custom levers can be screwed to latch to make releasing it easier for clients with less hand movement



© Magic Mobility 2016

CTRL+5

Push
Button



Toggle



Same side as joystick



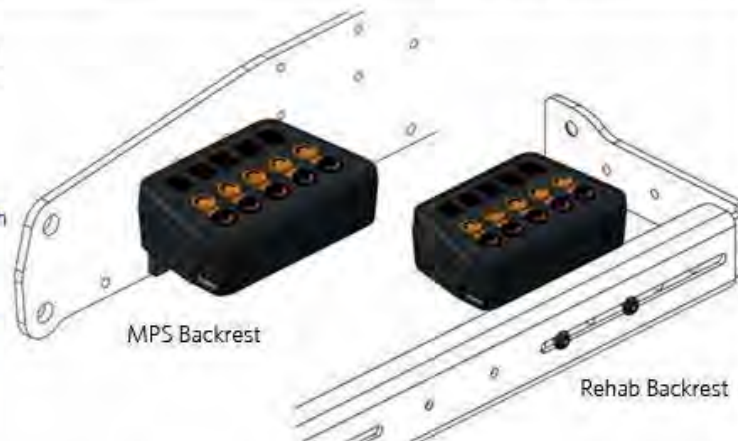
For an attendant

Note: The One CTRL+5 will be mounted on the opposite side from the attendant control (unless requested otherwise)

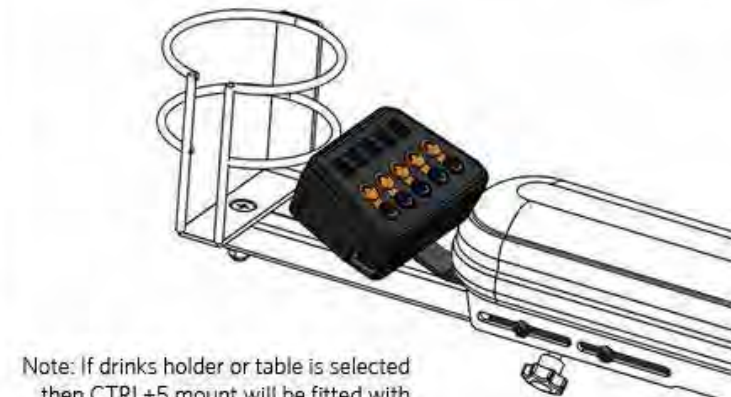
MPS Specific Notes:

CTRL+5 is not compatible with MPS push rail select peg handles

CTRL+5 is not compatible with BOTH a harness and rehab headrest. Select alternative mounting



Opposite side to joystick



Note: If drinks holder or table is selected then CTRL+5 mount will be fitted with socket receiver. This is not fitted on the standard setup.

JOYSTICK STEM OPTIONS



65mm downwards adjustment
from default position. Adjust
height by releasing star knob



65mm downwards adjustment
from default position. Adjust
height with 3mm Allen key



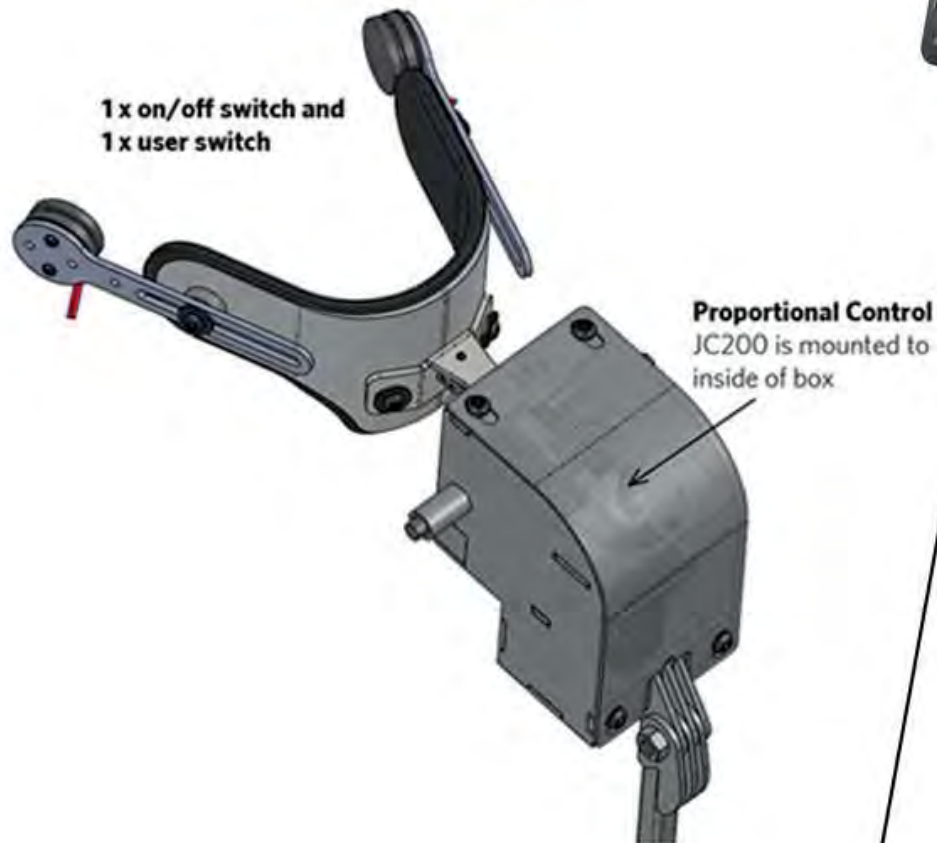
HEIGHT ADJUSTABLE JOYSTICK STEM



QUICK RELEASE MOUNT

SPECIALITY CONTROLS

HEAD CONTROL



Head and chin control units both come with an Omni2



CHIN CONTROL



OMNI 2

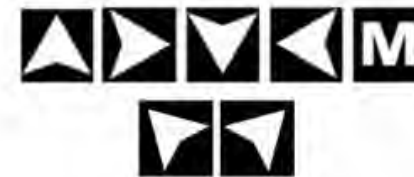


OMNI 2 WITH ENHANCED SCANNER

The Omni 2 Enhanced Scanner enables the chair to drive in six directions, with the addition of diagonal left and right turns, from just one switch.

In addition to the regular directional arrows, there are two diagonal arrows that only appear while driving forwards.

This Omni is delivered with a switch and has had additional work performed to balance the motors for improved drivability in scanning mode



OMNI 2 - STANDARD

A standard Omni 2 is available with different switch options that are selectable on the order form

This Omni has the standard scanning functionality with 4 directions only



PROGRAMMING REQUIREMENTS - PLEASE PRINT AND MARK REQUESTS, THEN ATTACH VIA ONLINE ORDER FORM

Tick to select

JSM- Profiles 1 - 5

Omni - Profile 6 (Max. speed 10kph)

☐

Omni - Profile 3 (Max. speed 6.5kph)

JSM - Profile 5 (Max. speed 10kph)

☐

Omni - Profiles 1-5

(No JSM)

☐

Omni - Prof 3 for Port 1 (Max. speed 6.5kph)

Omni - Prof 5 for Port 2 (Max. speed 10kph)

(No JSM)

☐

Other Configuration. Please specify:

.....

.....

.....

ATTENDANT CONTROLS



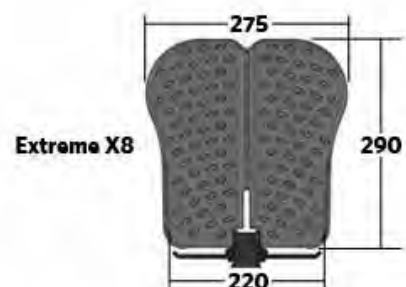
Attendant Control Module on Rehab and MPS Backrests

Legrests

EXTREME X8 LEGRESTS



CENTRE POST



Extreme X8

Note: larger footplate will be fitted wherever possible, but only for fixed footplate, as large footplate will not flip up



SWINGAWAY X8

Note, Calf Pads must be selected if required

MANUAL ELEVATING SWINGAWAY

This bracket can be adjusted up and down to change legrest angle



POWER ELEVATING SWINGAWAY

Note: footplates are all angle adjustable on centre post, swingaway and CMPE legrests



CENTRE MOUNT POWER ELEVATING



CMPE WITH ONE PIECE FLIP UP FOOTPLATE OPTION



© Magic Mobility 2016

FRONTIER V6 AT & HYBRID LEGRESTS

CENTRE POST

Chair will be fitted with short hanger if foot-plate height is 320mm or less



CENTRE MOUNT POWER ELEVATING



FRONTIER SWINGAWAY



Note: Calf Pads must be selected if required

MANUAL ELEVATING SWINGAWAY



This bracket can be adjusted up and down to change legrest angle

POWER ELEVATING SWINGAWAY



Note: Footplates are all angle adjustable on centre post, swingaway and CMPE legrests

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FRONTIER V6 COMPACT 40 & 73, MAGIC 360 LEGRESTS

CENTRE POST

Chair will be fitted with short hanger if footplate height is 320mm or less



COMPACT & 360 CENTRE POST WITH EXTRA WIDE FOOTPLATE



CENTRE MOUNT POWER ELEVATING



FRONTIER SWINGAWAY



Note: Calf Pads must be selected if required

MANUAL ELEVATING SWINGAWAY



This bracket can be adjusted up and down to change legrest angle

POWER ELEVATING SWINGAWAY



Note: Footplates are all angle adjustable on centre post, swingaway and CMPE legrests

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V4 RWD LEGRESTS

CENTRE POST

Chair will be fitted with short hanger if footplate height is 320mm or less



CENTRE POST WITH EXTRA WIDE FOOTPLATE



CENTRE MOUNT POWER ELEVATING



V4 SWINGAWAY



Note: Calf Pads must be selected if required

MANUAL ELEVATING SWINGAWAY



This bracket can be adjusted up and down to change legrest angle

POWER ELEVATING SWINGAWAY



Note: Footplates are all angle adjustable on centre post, swingaway and CMPE legrests

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FRONTIER V4 FWD LEGRESTS

CENTRE POST

Chair will be fitted with short hanger if footplate height is 320mm or less



CENTRE POST WITH EXTRA WIDE FOOTPLATE



CENTRE MOUNT POWER ELEVATING



V4 SWINGAWAY



Note: Calf Pads must be selected if required

MANUAL ELEVATING SWINGAWAY



This bracket can be adjusted up and down to change legrest angle

POWER ELEVATING SWINGAWAY



Note: Footplates are all angle adjustable on centre post, swingaway and CMPE legrests

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LEGREST SELECTION FOR TRANSFER TILT



SWINGAWAY LEGREST



**MANUAL ELEVATING
SWINGAWAY LEGREST**

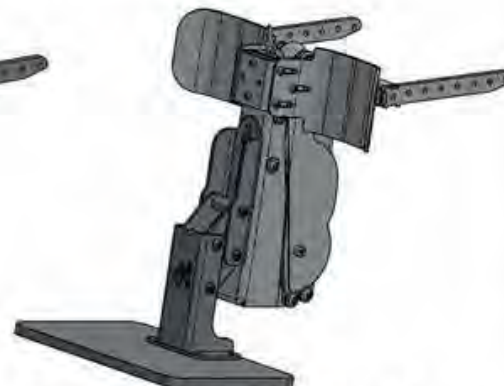


**POWER ELEVATING
SWINGAWAY LEGREST**

Note: Footplate heights of 340mm or less will not touch the ground when seat is tilted forward



**CENTRE POST WITH
ARTICULATING FOOTPLATE**



**CENTRE POWER ELEVATING WITH
ARTICULATING FOOTPLATE**

Note: These two options unavailable for legrest lengths of 350mm+



CENTRE POST



CENTRE POWER ELEVATING

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FOOTPLATE HEIGHT AND GROUND CLEARANCE

FRONTIER V4 RWD AND FWD
FRONTER V6 MWD

	STANDARD SEAT HEIGHT (NO SPACING)			
	AT/14" Drive Wheels		12.5" Drive Wheels	
	Seat Tilt	Fixed	Seat Tilt	Fixed
Ground Clearance	30*	50	30*	50
Max. Recommended Footplate Height	380	360	365	345

All dimensions in mm



EXTREME X8

The Extreme X8 is an off-road wheelchair and will benefit from more ground clearance below the footplate

	STANDARD SEAT HEIGHT (NO SPACING)	
	Seat Tilt	Fixed
Ground Clearance	100*	120
Max. Recommended Footplate Height	380	360

All dimensions in mm



* Use some tilt to climb kerbs

Exercise caution - a large degree of tilt over a kerb can lead to rearwards instability

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FOOTPLATE SELECTION



1 PIECE FLIP UP



2 PIECE FLIP UP



1 PIECE FIXED

Fastening bolts can be removed to allow footplate to flip up if required in the future



2 PIECE FIXED

Can adjust each footplate to a different angle

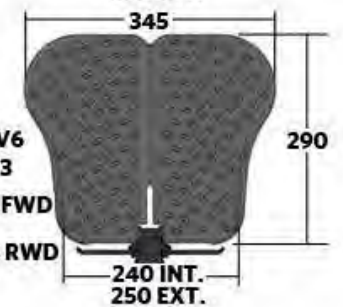
- Frontier V6 All Terrain & Hybrid

- Extreme X8

Note: large footplate will be fitted wherever possible



- Frontier V6 C40 & C73
- Frontier V4 FWD
- Frontier V4 RWD



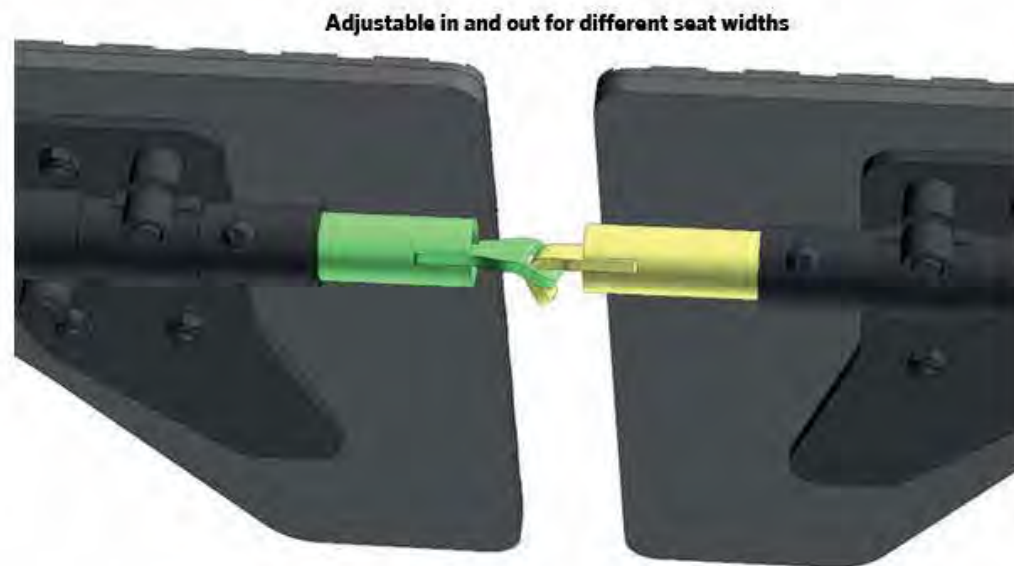
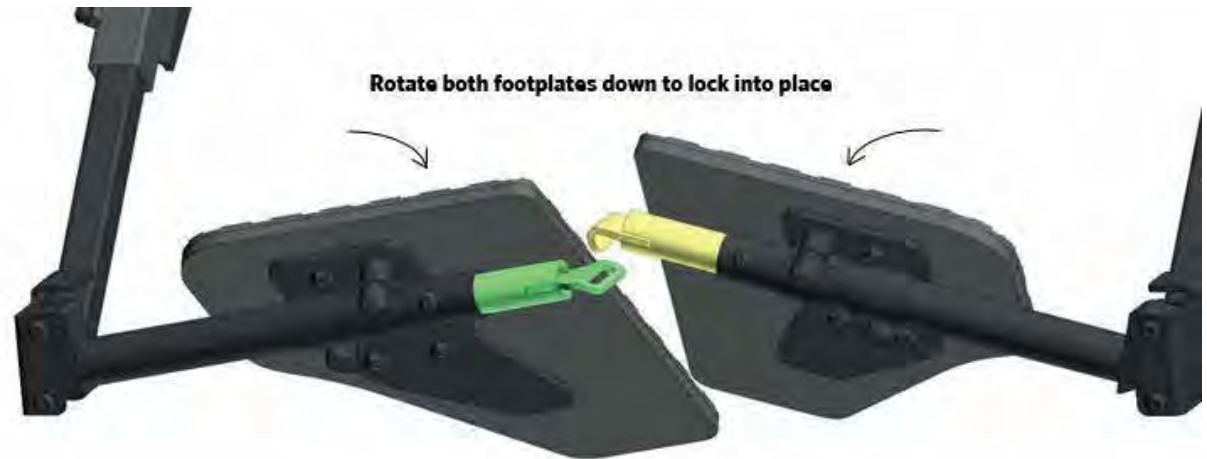
SHORT FOOTPLATES



SWINGAWAY FOOTPLATE LOCK

Holds footplates together when heavily loaded

Recommended for heavy users, those who spasm, or users who often impact the legrests



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FOOTPLATE METAL EDGES



Narrow Footplate

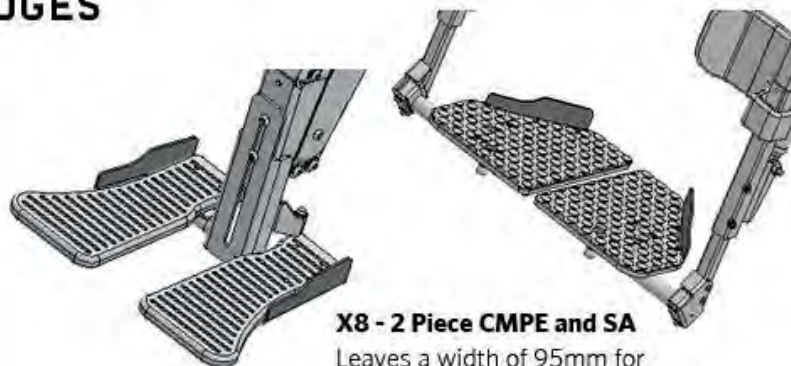
Generally suits V6 AT, Hybrid and Extreme X8 Centre Legrest (30mm High)

Metal edges stops footplate flipping up on the X8 Footplate position may be compromised forwards



Wide Footplate

Generally suits V6 C73, and V4 FWD & RWD Centre Legrest (50mm High)



X8 - 2 Piece CMPE and SA

Leaves a width of 95mm for each foot (30mm High)

Metal edges are short to prevent interference when the footplates are flipped up/out



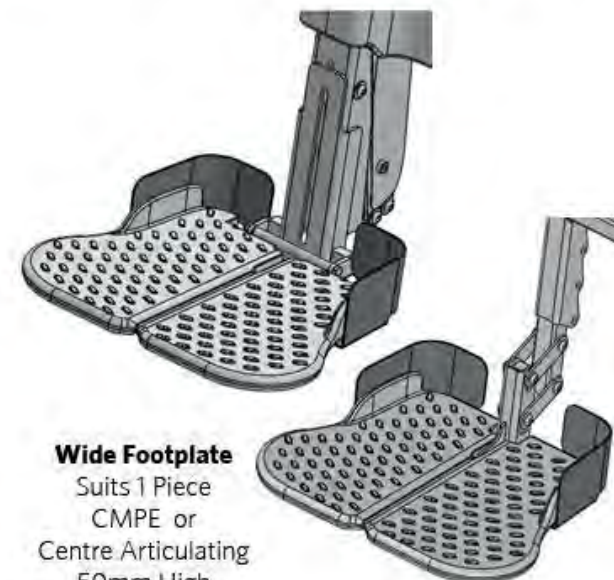
V6 & V4 - SA, 2 Piece CMPE and Articulating CMPE

Leaves a width of 95mm for each foot (50mm High)



Narrow Footplate

Suits C1 Piece CMPE or Centre Articulating Legrest 50mm High



Wide Footplate

Suits 1 Piece CMPE or Centre Articulating 50mm High

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FOOT STRAPS



FOOT STRAP WITH VELCRO



FOOT STRAP WITH BUCKLE



TOE STRAP

HEEL AND ANKLE SUPPORTS

Note: heel support bracket is standard on all new centre post legrests



TADDY CUP SMALL

Length: 105
Width at Heel: 55
Width at Open End: 65
Height: 30

TADDY CUP MEDIUM

Length: 130
Width at Heel: 65
Width at Open End: 75
Height: 30

TADDY CUP LARGE

Length: 160
Width at Heel: 70
Width at Open End: 90
Height: 30

ANKLE CUFF STANDARD

Circumference:
Approx 180 to 290

ANKLE CUFF PAEDIATRIC (NOT SHOWN)

Circumference:
Approx 140 to 170

HEEL LOOP

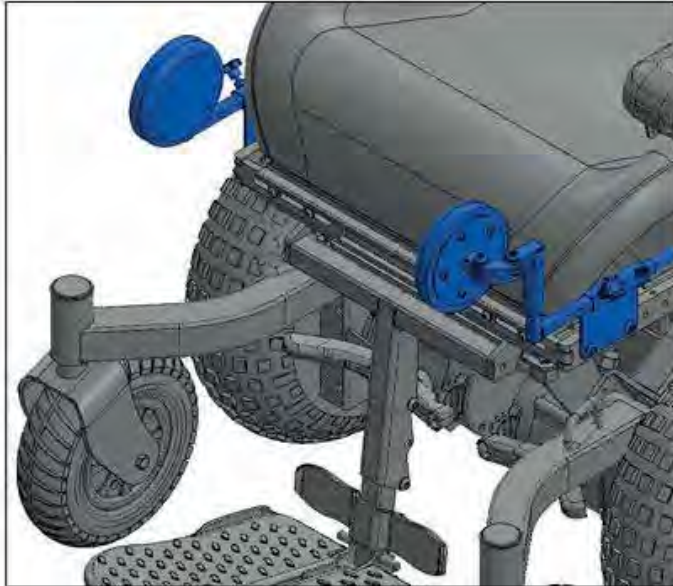
Height: 50



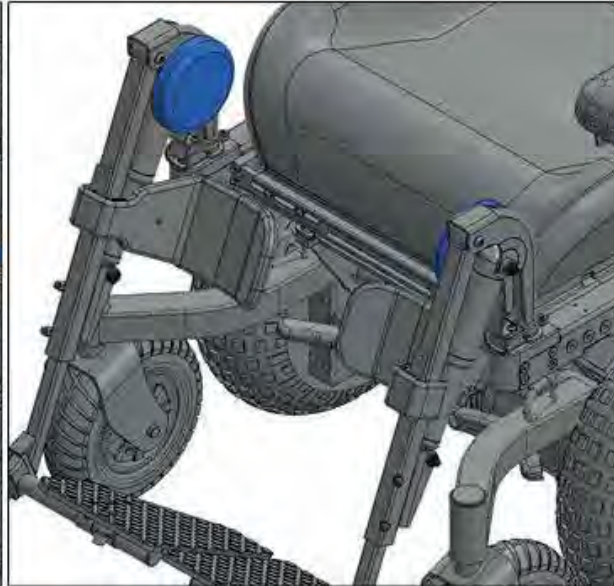
ALL DIMENSIONS IN MILLIMETRES

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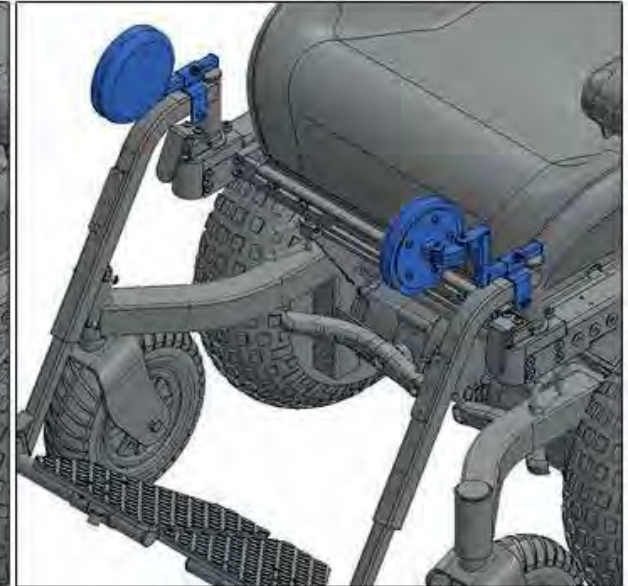
KNEE PADS



**Centre mount legrest
(fixed and power elevating)**
3 axes of adjustment



Power or gas swingaway legrest
Fixed kneepad attached to legrest pivot

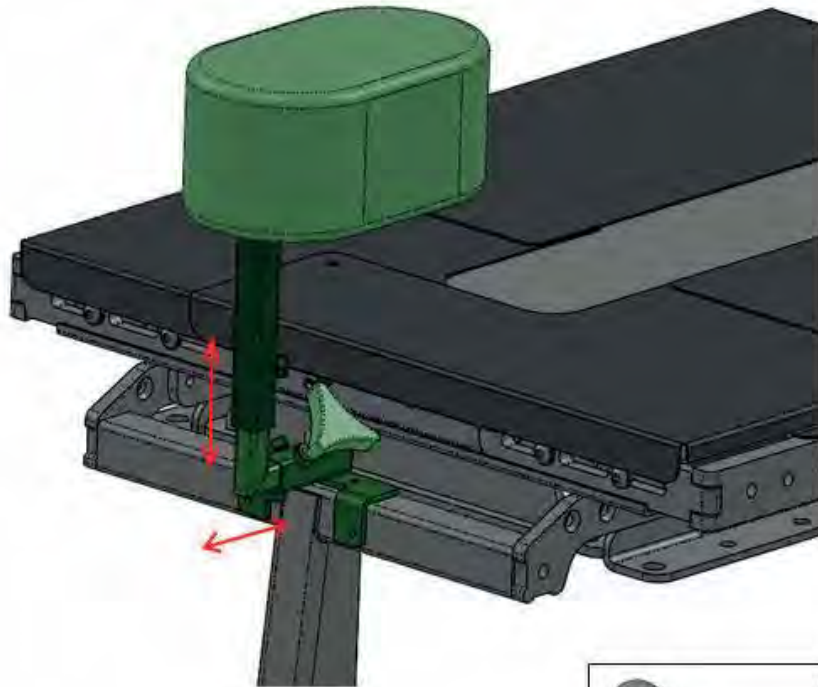


Standard swingaway legrest
3 axes of adjustment

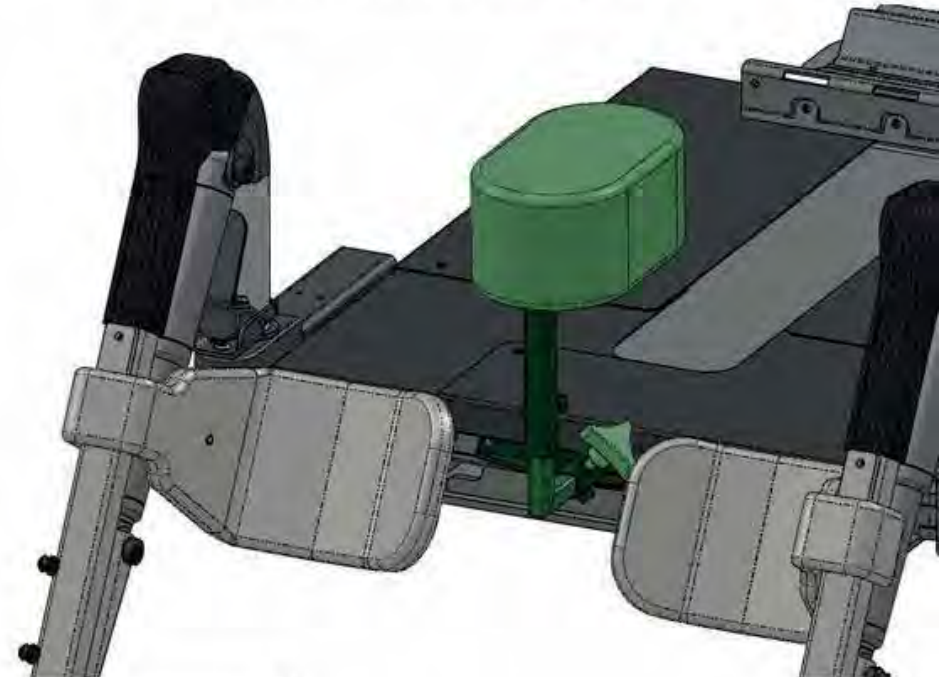
ABDUCTION BLOCK (POMMEL)

- Removable
- Height and depth adjustable

Abduction block hardware mounts directly to centre post legrest

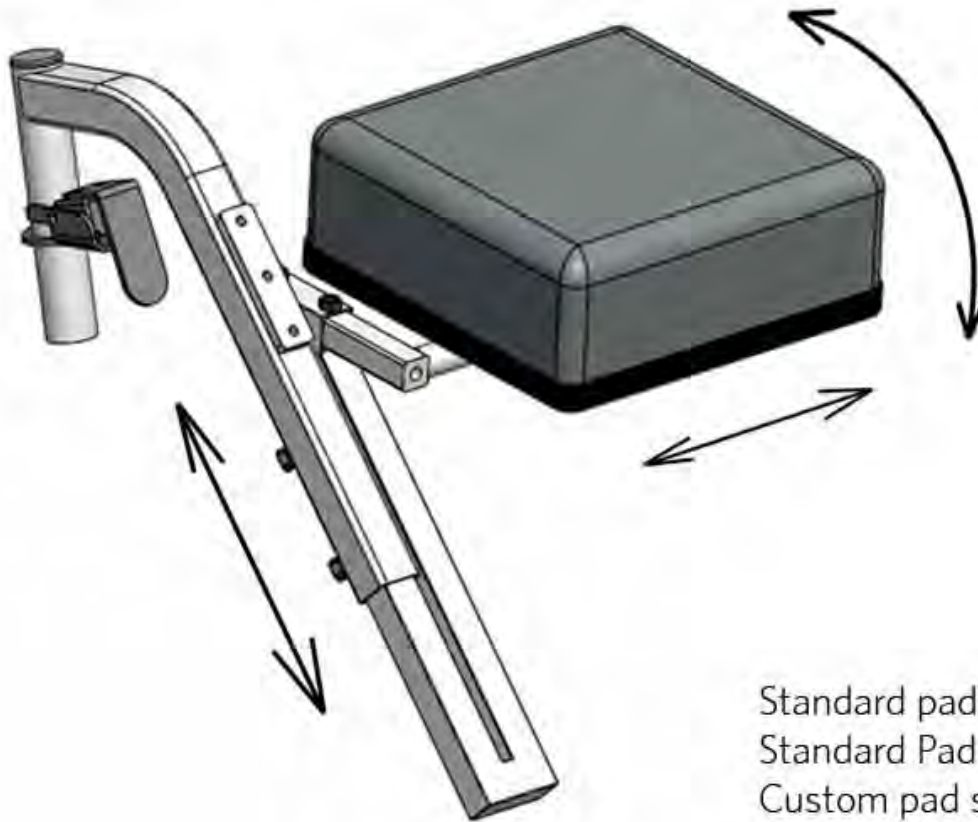


When swingaway legrests are used abduction block mounts on front rail



Note: Abduction block generally not required on CMPE due to large depth of calf pads. If abduction block is required for this application please contact Magic for quotation for a custom design

STUMP SUPPORT



Standard pad size: 200mm x 200mm (8" x 8")

Standard Pad Thickness: 75mm (3")

Custom pad sizes are available

Full adjustability on depth, lateral position and angle of pad

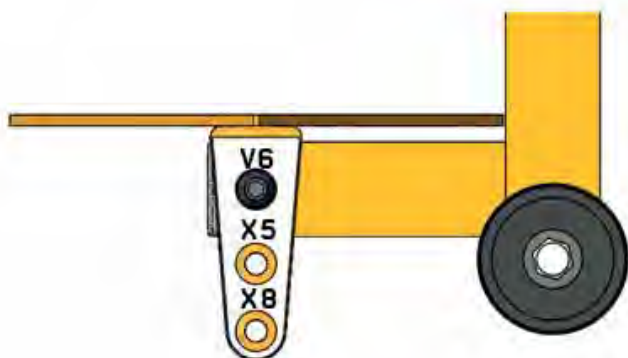
Stump support available in left or right side applications

Accessories

WHEELCHAIR JACK

Enables drive wheels and castors to be changed with ease.
Pivot bolt can be shifted to different hole depending on wheelchair model.

V4 and V6 share top hole
X5 (superseded) is middle hole
X8 is bottom hole



CUP HOLDER

Gimbal configuration allows cup to stay flat when tilting and when driving on bumpy surfaces



Note: This assembly will be supplied loose if selected in conjunction with a table as both share the same mounting position



If swingaway legrests are fitted the cup holder mount bracket may be offset higher to avoid top of legrest (depending on armrest height)



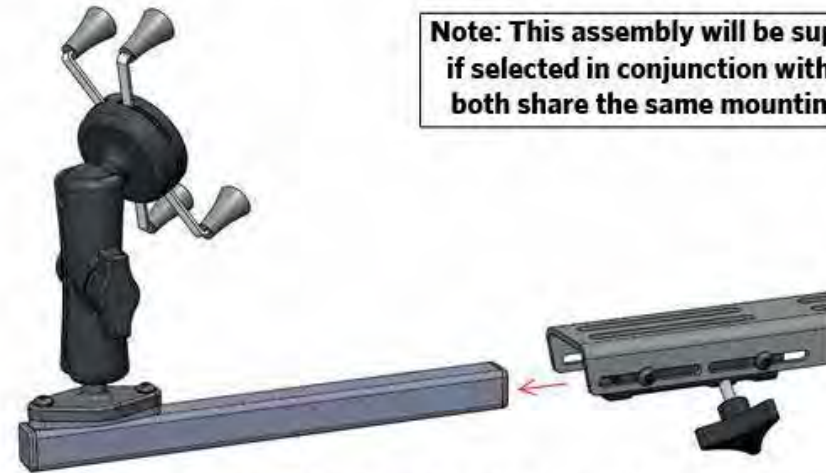
Note: Previous cup holder can be fitted if required. See option on order form.



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MOBILE PHONE HOLDER

Min. phone width: 48mm
Max. phone width: 83mm



Note: This assembly will be supplied loose if selected in conjunction with a table as both share the same mounting position

Mounted in quick release bracket so can be easily removed or swapped with table



Can be used in conjunction with cup holder

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TABLET HOLDERS

SWINGAWAY TABLET HOLDER

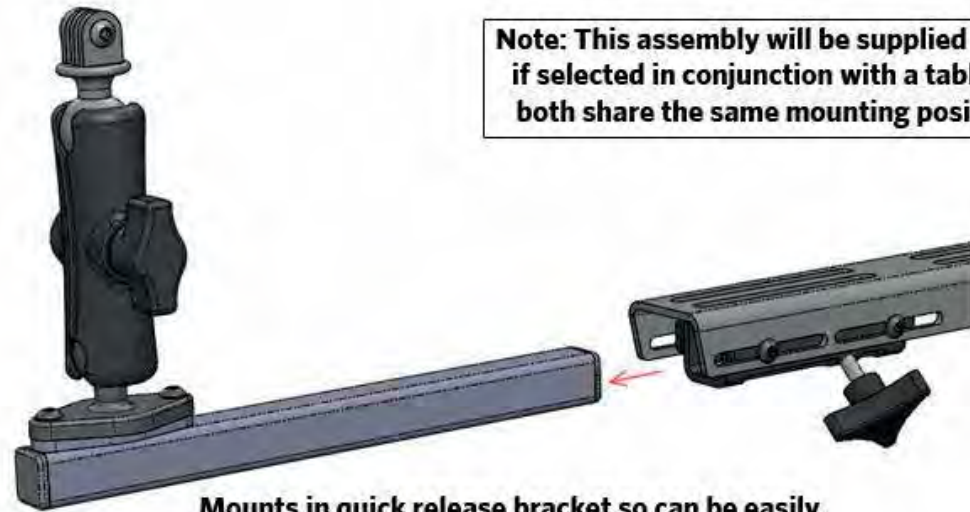


Note: This assembly will be supplied loose if selected in conjunction with a table as both share the same mounting position



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ACTION CAMERA HOLDER



Note: This assembly will be supplied loose if selected in conjunction with a table as both share the same mounting position

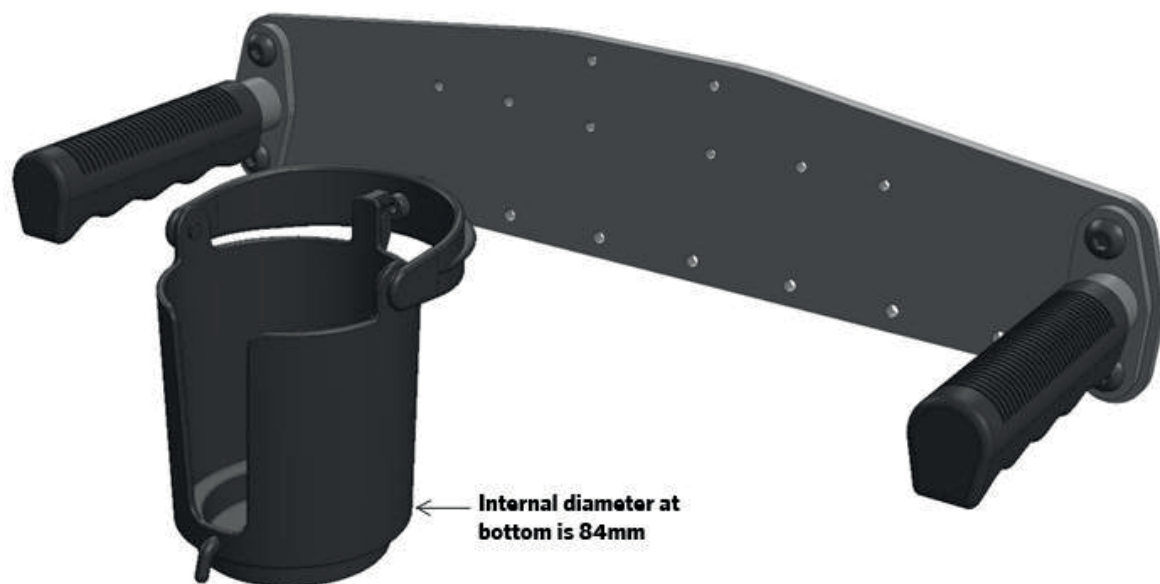
Mounts in quick release bracket so can be easily removed or swapped with table



Can be used in conjunction with cup holder

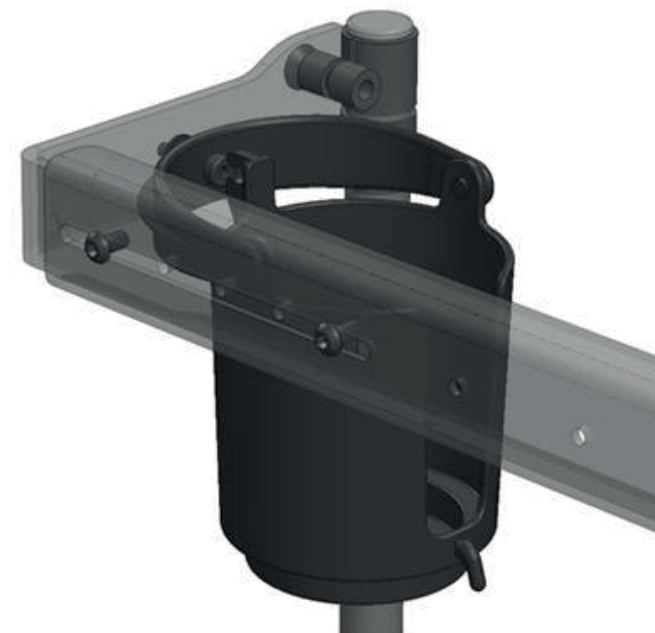
ATTENDANT CUP HOLDER

MPS BACKREST



Attendant cup holder cannot be fitted in conjunction with MPS push rail. Push handles must be used instead

REHAB CANES



If cup holder cannot fit in between backrest and spreader bar then it can be mounted on the outside or rear depending on seating setup

FISHING ROD HOLDER

For transportation only



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ACCESSORY CHARGER

Allows the client to charge external devices from their wheelchair

Accessory Charger (1x12V + 2xUSB)

1 x 12V device (up to 5 Amps) - 'cigarette lighter' style connector
1 x 5V USB device (up to 1 Amp)
1 x 5V USB device (up to 2.1 Amps)



The accessory charger is mounted on same side as the joystick and is fitted to the seat side rail (standard mounting location)

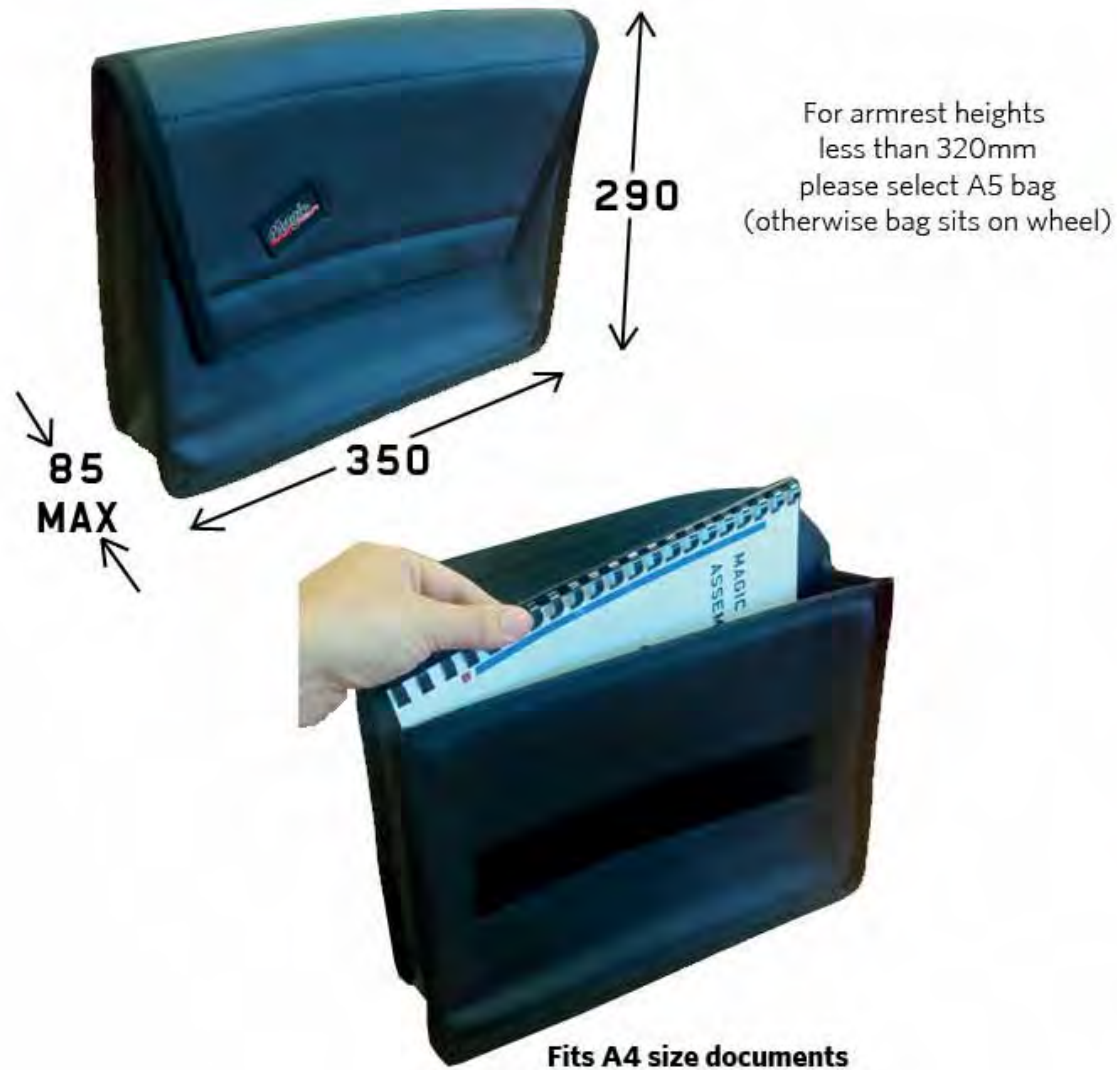
Accessory Charger (2xUSB)

2 x 5V USB device (up to 2.1 Amps)



The charger is mounted on the same side as the joystick and is fitted beneath the armrest unless otherwise requested

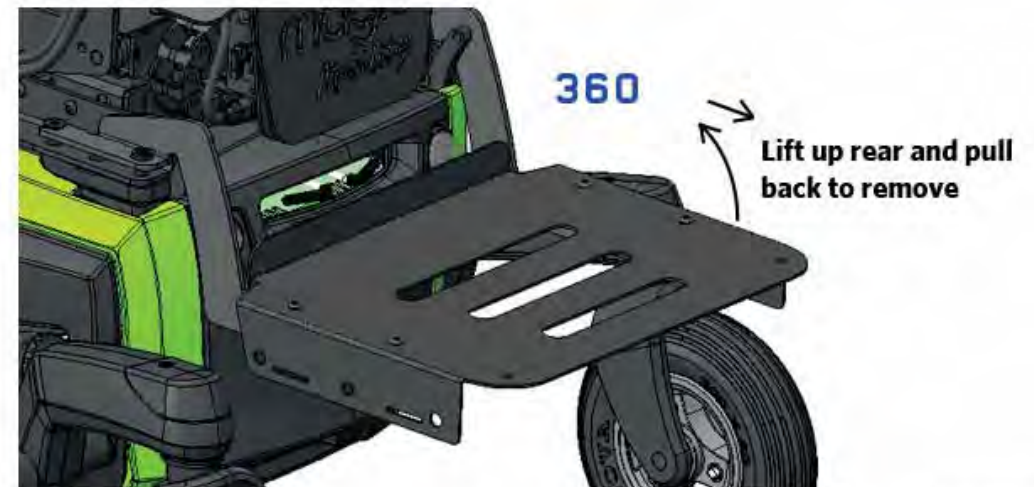
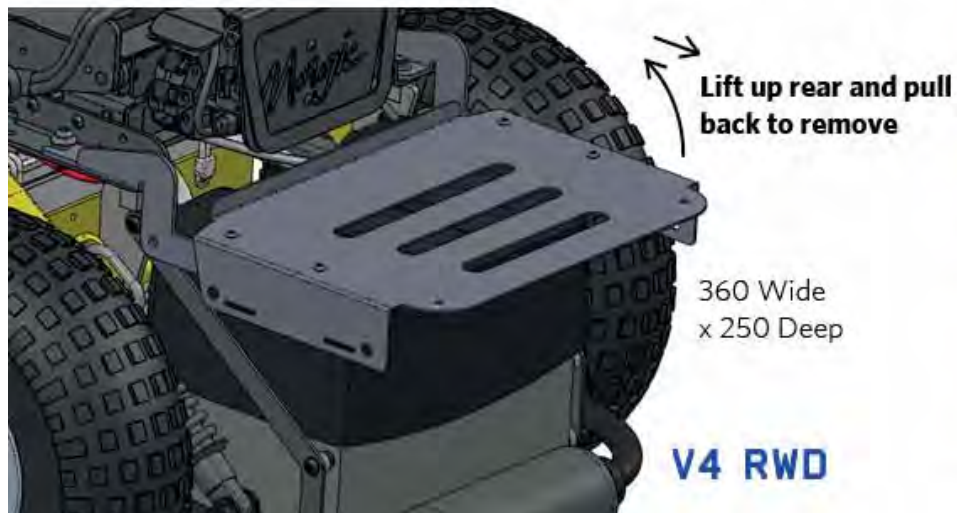
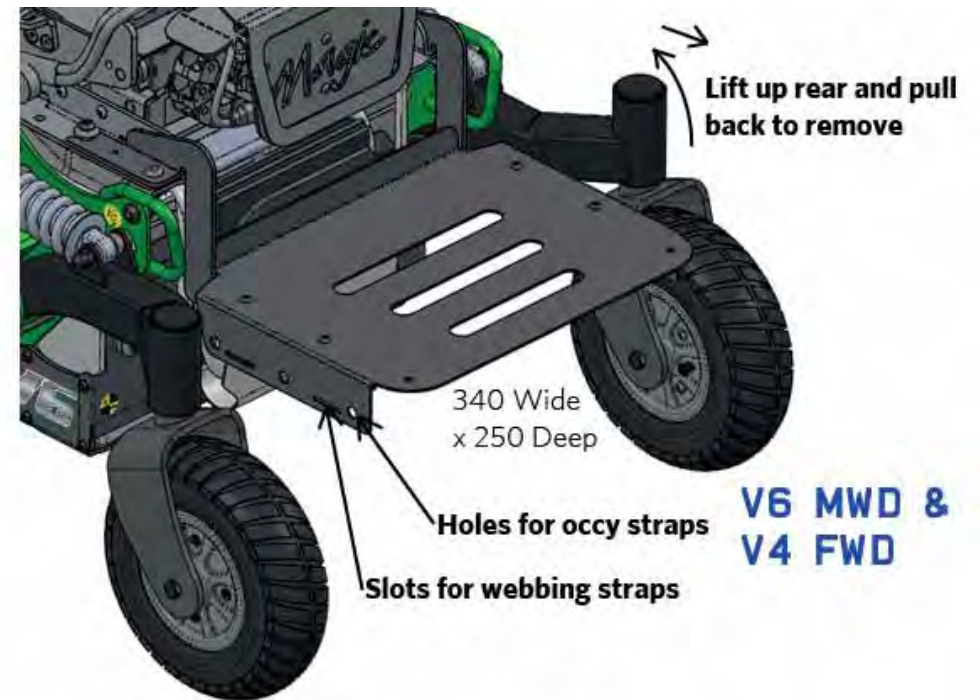
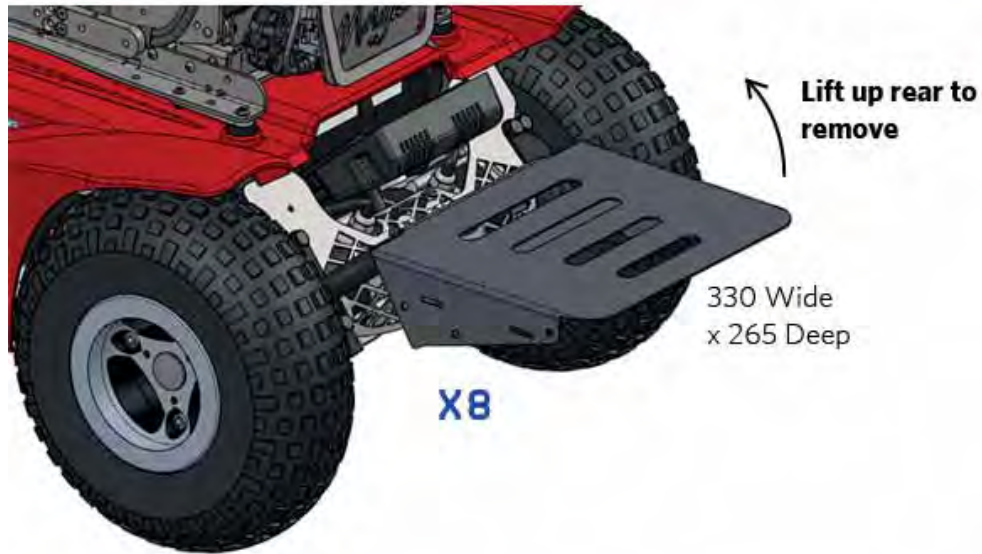
ACCESSORY BAG



Mounts under armrest
(unless otherwise requested)

If swingback joystick is selected it is generally more suitable to fit accessory bag to opposite side

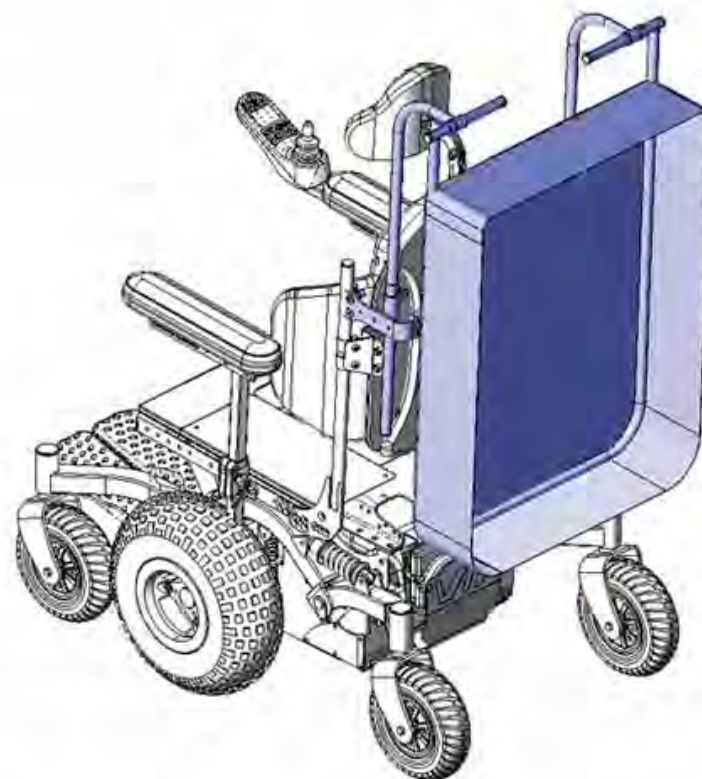
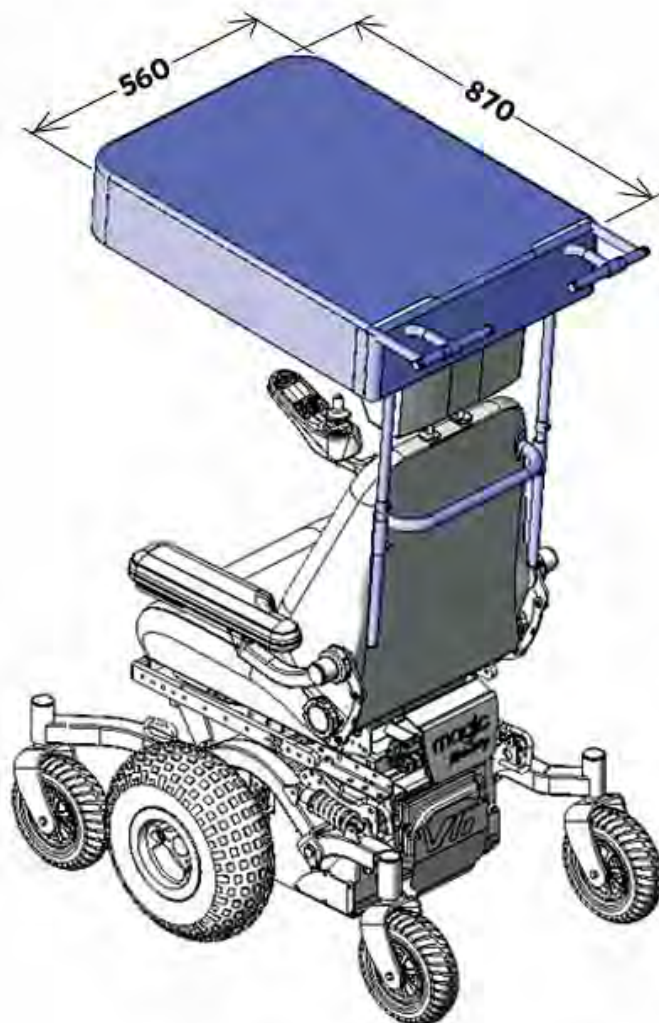
LUGGAGE RACK



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SUN SHADE

Height adjustable.
Mounted in sockets for
easy removal



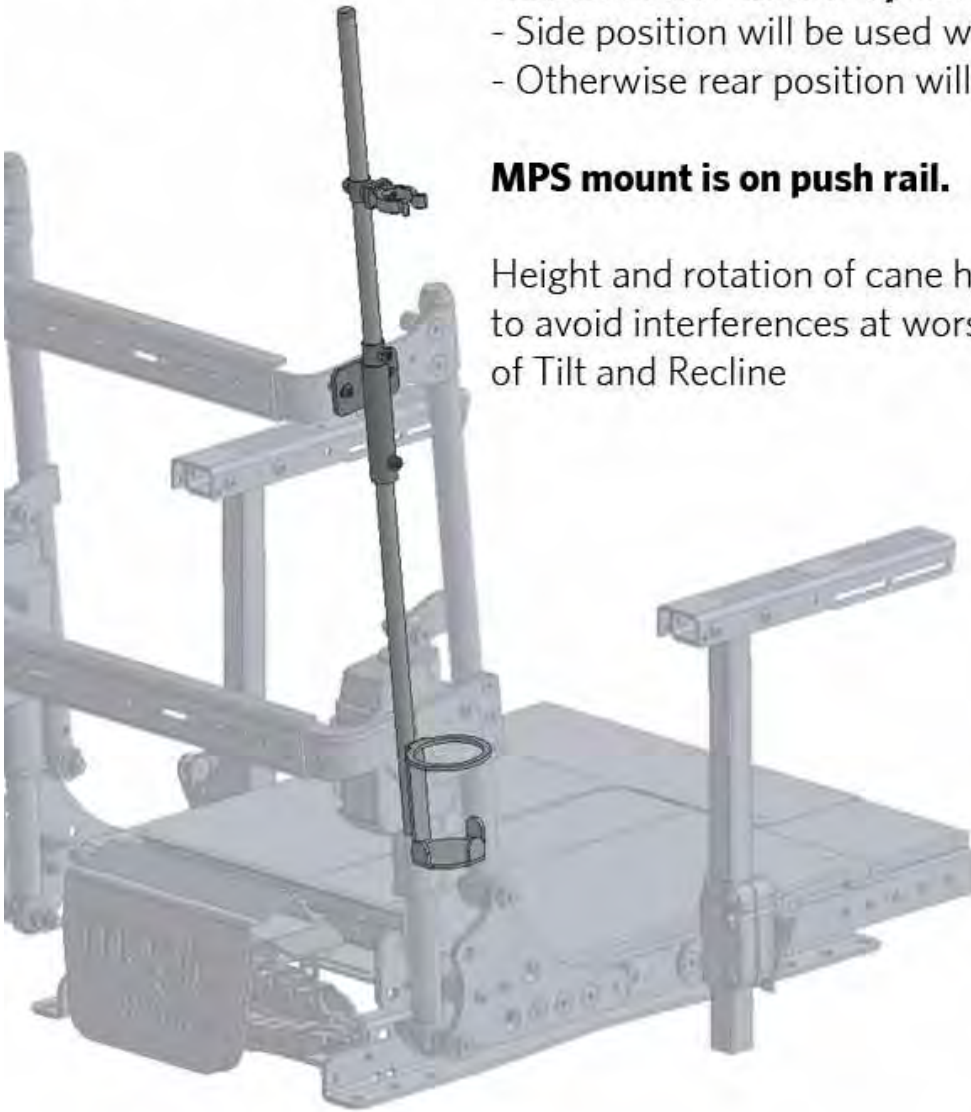
CANE HOLDER

Rehab mount fixes to spreader bar.

- Side position will be used where possible
- Otherwise rear position will be used

MPS mount is on push rail.

Height and rotation of cane holders will be set to avoid interferences at worst-case positions of Tilt and Recline



KEY

To lock the wheelchair:

Insert and remove in back of joystick

The wheelchair will not function until the key is used to unlock it

To unlock the wheelchair:

Insert and remove in back of joystick



TABLE OPTIONS

Clear polycarbonate table shown below. Black HD plastic is also available (typically without folded edges)

Unless a drawing has been supplied with specifications for cut out sizes for stomach and joystick, the slide in and swingover tables will be provided as a kit

Table stem slides into opposite side to joystick



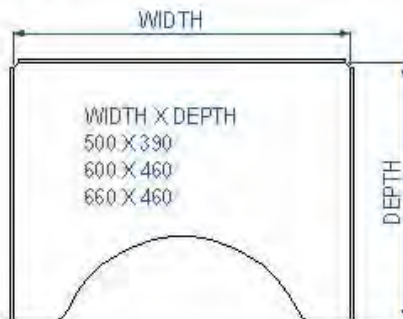
SLIDE IN LARGE TABLE

Table rests on armpad opposite to stem



DOUBLE STEM LARGE TABLE

For chairs with attendant control ONLY (no joystick)



SWINGAWAY SMALL TABLE

Width 320 x Depth 240

SWINGOVER LARGE TABLE

Table rests on both armpads



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