

160 Armand-Majeau Sud Saint-Roch-de-l'Achigan, QC, Canada JOK 3H0 T.+1-866-650-6555 F. +1-888-966-6555 <u>quotes@motioncomposites.com</u> <u>orders@motioncomposites.com</u> www.motioncomposites.com



Helio A6
ORDER FORM - MANITOBA POSSIBLE

"TIP SHEET" to assist in the completion of the order form for the Motion Composite HELIO A6 wheelchair

Prepared March 2024 by

Community Therapy Services Inc.
in reference to the order form used by
the Manitoba Wheelchair Program

Manitoba Wheelchair Program (MWP)

1857 Notre Dame Ave Wpg MB R3E 3E7

MWP ORDER FORM LEGEND:

NC = NO CHARGE (option available through Manitoba Possible J = JUSTIFICATION REQUIRED (provide clinical rationale)

OTP = OPTION TO PURCHASE (client responsible for cost)

N/A = NOT AVAILABLE (option not available through Manitoba Possible.)

SEAT WIDTH, SEAT DEPTH and TIE DOWN OPTIONS

-Seat width is determined mainly by the hip width of the client but may also be affected by chest width. Also consider the need to accommodate a solid back rest when applicable, with attention to the contour, adjustability and foam thickness of lateral supports.

-The practice of using "hip width plus 2 inches" is outdated. The chair should fit much like a prosthetic in that chair width should be as close as possible to hip width to optimize positioning and propulsion. Excessive width causes client to reach up and over the arm rests, contributing to shoulder strain. Concerns about access though doors, space for winter wear/slings etc. rarely supersede client dimensions.

-Measure width from one outside seat rail to the other outside seat rail.

-Optimum seat depth should provide as much thigh support as possible. It is measured from the front of the back cane to the front of the upholstery. Seat depth will also affect foot-propelling. Excessive seat depth will limit the knee flexion required for effective foot propulsion.

TRANSIT TIE DOWN- Choose AC35 Transit Tie Down w/out belt as standard option from the MWP, unless client is in an HD chair in which case the choice is AC04. Q'straint belt may be needed for transport in a vehicle with a WC18 occupant restraint system.

				MODEL		
WC19	Ultralight folding Helio A6 Wh	eelchair - 6000 se	ries aluminum (265	lb weight capacity,)	NC
WC09	HD Heavy duty kit (350 lb weig	ght capacity)				NC
·				Frame		
SEAT WIDTH ³						
CVA	14"	15"	16"	17"	18" ¹	NC
SW	19" ¹	20" 1	21" 2	22" 2		NC
SEAT DEPTH						
CD.	14"	15"	16"	17"	18"	NC
SD	19"	20"				NC
TRANSIT TIE DO	OWN					
AC04	Transit Tie Down (Unoccupied))				NC
AC05-S	WC-19 Transit Tie Down w/Q's	straint belt ⁴ Sh	ort belt 20"-41"			J
AC05-L	WC-19 Transit Tie Down w/Q's	straint belt ⁴ Lo	ng belt 20"-46"			J
AC35	WC-19 Transit Tie Down witho	out belt 4				NC

FRONT STFH options are shown in the chart at the top of the next page.

- Vertical columns show the caster sizes: 6" and 8" are No Charge options. 5" need Justification. 3", 4" and 7" are OTP.
- The vertical columns are sub-divided according to stem bolt length options of Standard, plus 1" and plus 2".
- Horizontal rows show the Fork Length options of 4", 5" and 7" as well as the positions that each fork can be set at. 4" Forks have 2 position options. 5" Forks have 4 position options. 7" Forks have 5 position options.

Choose the caster size, stem bolt length and fork position needed to obtain optimal STFH for positioning, propulsion and transfers.

There is usually more than one combination for each STFH. The diagram on the last page gives more information regarding clinical reasoning.

- Front STFH is measured at seat rails, not in the centre. STFH that is too low will increase hip flexion and reduce thigh support.
- The Front STFH does not include a cushion but it is necessary to anticipate the affect that seating will have on the finished STFH.
- Smaller diameter casters may need to be considered for lower STFH's and often need to be paired with shorter forks. Smaller size casters have less roll efficiency and less ability to clear obstacles and/or absorb shock. They will be more efficient in tighter spaces especially when paired with shorter forks, assuming that the centre of gravity has been set up properly.

- Foot propellers with smaller leg lengths may need smaller casters with shorter forks. Note that $1 \frac{1}{2}$ "-2" floor clearance is typical when foot rests are used. This needs to be considered when foot propellers use foot rests some of the time.
- Larger casters may roll better but can make it harder to get the chair in a forward-facing position. Caster interfere with the foot rests may impede propulsion and reduce transfer safety. Larger casters, combined with longer forks, may be essential to obtaining the required front STFH, but that this may result in a larger turning radius, decreased propulsion and accessibility challenges.

Choosing the best option if more than one option exists:

- If the Front STFH is achievable with different size casters, larger casters are preferred if the chair is often used outdoors. Choose smaller casters if the chair will often be used in tight spaces.
- If the STFH is possible with two different fork positions, choose the one that can be adjusted without changing to parts that are not standard. (e.g. If 16.5" STFH is needed, choose P3 option of STD bolt length to allow up/down adjustment without changing bolt length. This can be helpful if there has been a slight miscalculation or if seating has changed the optimal Front STFH.

A6 FRONT Seat-to-Floor Height- Please circle

Height available +/- 1/4" (See stem bolt and fork combinations at the end of the order form.)

		3"	caster (O	ГР)	4"	caster (OT	Ъ)	5	" caster (J)	6'	caster (N	C)	7"	caster (OT	P)	8"	caster (N	c)
		Ste	m bolt Ler	ngth	Ste	m bolt Len	gth	Ste	m bolt Ler	igth	Ste	m bolt Len	gth	Stei	n bolt Len	gth	Ster	n bolt Len	gth
Forks / Positi	on	STD	+1"	+2"	STD	+1"	+2"	STD	+1"	+2"	STD	+1"	+2"	STD	+1"	+2"	STD	+1"	+2"
. "	P1	12"	13"	14"	12 1/2"	13 1/2"	14 1/2"												
4"	P2	12 1/2"	13 1/2"	14 1/2"	l ä	15	15"	13 1/2"	14 1/2"	15 1/2"									
	P1																		
	P2				13"	14"	15"	13 1/2"	14 1/2"	15 1/2"									
5"	Р3	13"	14"	15"	13 1/2"	14 1/2"	15 1/2"	14"	15"	16"	14 1/2"	15 1/2"	16 1/2"						
	P4	1342"	14 1/2"	15 1/2"	15	15	16"	14 1/2"	15 1/2"	16 1/2"	15"	16"	17"	15 1/2"	16 1/2"	17 1/2"			
	P1										15 1/2"	16 1/2"	17 1/2"	16"	17"	18"			
	P2							15 1/2"	16 1/2"	17 1/2"	16"	17"	18"	16 1/2"	17 1/2"	18 1/2"			
7"	Р3							16"	17"	18"	16 1/2"	17 1/2"	18 1/2"	17"	18"	19"	17 1/2"	18 1/2"	19 1/2"
	P4	15 1/2" 16	16 1/2" 17	17 1/2" 18	16" 16 1/2	17" 17 1/2	18" 18 1/2	16 1/2" 17	17 1/2" 18	18 1/2" 19	17" 17 1/2	18" 18 1/2	19" 19 1/2	17 1/2" 18	18 1/2" 19	19 1/2" 20	18" 18 1/2	19" 19 1/2	20"
	P5	16	1/	18	16 1/2	1/1/2	18 1/2	1/	18	19	1/1/2	18 1/2	19 1/2	18	19	20	18 1/2	19 1/2	20 1/2

CASTERS

- Composite caster wheel with PU (poly-urethane) tires are the standard choice offered by the program.
- **Pneumatic casters** may be purchased but are used much less often than pneumatic tires for rear wheels (partly because this would require the maintenance of 4 tires rather than 2 tires if pneumatic rear wheels were also chosen).
- Wider casters will not sink into softer surfaces (carpet, grass, mud etc) as much as narrow casters.

CASTERS				Availability	
CA01-03 to CA01-08		Composite wheel w/ PU tire (1")		3", 4", 5", 6", 7", 8"	NC
CA10 to CA11		Pneumatic casters (1 ¼")		6", 8"	ОТР
CA14 to CA16		Newton UltraCaster Composite (1 ½ ")		4", 5", 6"	J
CA17 to CA19		Newton UltraCaster Aluminum (1 ½ ")		4", 5", 6"	ОТР
CASTER OPTIO	ONS				
CA12		Caster Pin Locks (Available with +1" or +2" Stem bolt ONL	y) ¹		ОТР
CA13		Carbon fiber Frog Legs suspension forks (Not available	with caster pin locks)		ОТР

-Caster pin locks are not available on the Move and are rarely needed on the A6. When in the locked position, the caster won't swivel. -Frog leg suspension forks may be useful to active users who experience increased spasticity and/or pain with slight changes in terrain. Note that some users find this suspension too responsive resulting in less propulsion efficiency.

REAR WHEELS and REAR STFH options

- -Each vertical columns shows the STFH options for that wheel size. 20", 22" and 24" are NC. 25" and 26" are OTP.
- -24" wheels are more common but may cause excessive elbow flexion with lower STFH's, which may reduce propulsion.
- -20" or 22" wheels may be needed for a lower STFH. Shorter clients may have better access to rims for more efficient propulsion.
- -Rear STFH can be set at same or different height than the Front STFH. When they are the same, the chair frame is oriented upright with the seat parallel to the ground. This is typically good for foot propellers as long as they have sufficient trunk balance.
- -When the rear is lower than the front it will introduce seat dump/slope into the frame of the chair. The orientation of the seat and back will be statically tilted against gravity which lowers buttock/hip and head height, but maintains thigh height...

...Lower Rear STFH changes upper extremity access to the rear wheels and impacts transfers. More seat slope can help reduce sliding and improve visual field orientation, however it may also increase the tendency into posterior tilt in kyphosis which in turn can increase sliding.

-When the rear is higher than the front it will introduce anterior seat slope of seat dump into the frame of the chair. This changes the orientation of the seat and back in the opposite direction against gravity.

HELIO A6 - REAR Seat-to-floor Height - Please select your choice

	22" (501) (NC)	24" (540) (NC)	25" (559) (OTP)	26" (590) (OTP)
12"	13"	13 3/4"	14 1/4"	14 3/4"
12 1/2"	13 1/2"	14 1/4"	14 3/4"	15 1/4"
13"	14"	14 3/4"	15 1/4"	15 3/4"
13 1/2"	14 1/2"	15 1/4"	15 3/4"	16 1/4"
14"	15"	15 3/4"	16 1/4"	16 3/4"
14 1/2"	15 1/2"	16 1/4"	16 3/4"	17 1/4"
15"	16"	16 3/4"	17 1/4"	17 3/4"
15 1/2"	16 1/2"	17 1/4"	17 3/4"	18 1/4"
16"	17"	17 3/4"	18 1/4"	18 3/4"
16 1/2"	17 1/2"	18 1/4"	18 3/4"	19 1/4"
17"	18"	18 3/4"	19 1/4"	19 3/4"
17 1/2"	18 1/2"	19 1/4"	19 3/4"	20 1/4"

Configuration used: 1" seat slope with Centre of Gravity set at 2"

Note: Tire size, Centre of Gravity setting and seat slope may result in a variation of +/- ½" of selected STFH.

SWING IN/SWING OUT FOOT RESTS, FOOT PLATES and RESIDUAL LIMB SUPPORT options:

- -Choice of leg rest hanger angle is determined largely by the client's tolerance for knee flexion. Other determining factors include hip and ankle flexibility, tightness of the quads and/or hamstrings and seat depth. If the hanger angle is not suitable, the pelvis may tilt anteriorly or posteriorly. The client may move forward on the seat leading to other positioning problems.
- -Improper hanger angles and reduced ankle range may result in difficulty placing the feet on the foot plates. Adjustment of foot plate depth and/or use of angle adjustable foot plates may be helpful.
- -More extended hanger angles result in a larger footprint which may limit environmental access.
- -Less extended hanger angles may cause caster interference. Higher STFH may be needed.
- -Swing-in/Swing-out foot rests may facilitate access to other surfaces (e.g. toilet) for transfers.
 - **High mount foot rests** are available when the lower leg length is shorter than the shortest length of standard leg rests. These have extensions that may hang lower than the footplates and could cause interference with 8" casters or longer forks.
- -ELRs may be chosen when there is limited knee flexion. They may be helpful to support an orthotic, cast or residual limb.
- -ELRs are often ineffective in controlling edema and will reduce maneuverability. They also add weight to the chair.
 - Leg rest length is measured from the seat upholstery to the middle of the footplate, where the hanger meets the foot plate.
 - Leg rest length will be determined by the client's leg length less the compressed height of the cushion under the thigh.
 - Indicate the range of the leg rest as well as the specific length that the leg rest should be set at.

		Footr	est		
SWING-IN/	SWING-0	OUT FOOTREST			
FR03-01		60° Swing-in/swing-out footrest - 13.5" - 17"		Set at: *	NC
FR03-02		60° Swing-in/swing-out footrest - 14.5" - 19.5"		Set at: *	NC
FR03-03		60° Swing-in/swing-out footrest - 15.5" - 20.5"	Set at: *	NC	
FR04-01		70° Swing-in/swing-out footrest - 13.5" - 17"		Set at: *	NC
FR04-02		70° Swing-in/swing-out footrest - 14.5" - 19.5"		Set at: *	NC
FR04-03		70° Swing-in/swing-out footrest - 15.5" - 20.5"		Set at: *	NC
FR15-01		80° Swing-in/swing-out footrest - 13.5" - 16" ⁵		Set at: *	NC
FR15-02		80° Swing-in/swing-out footrest - 14.5" - 19.5" ⁵		Set at: *	NC
FR15-03		80° Swing-in/swing-out footrest - 15.5" - 20.5" ⁵		Set at: *	NC
FR06		90° swing-in/swing-out with front mount - Standard (no extension) ¹	7.5" - 11"	Set at: *	NC
FR07		90° swing-in/swing-out with front mount - Short extension 2" 1, 2	9.5"- 13"	Set at: *	NC
FR08		90° swing-in/swing-out with front mount - Medium extension 4" 1, 2	9.5" - 14.5"	Set at: *	NC
FOOTREST	OPTIONS				
FR09		High mount (footplate attached to the hanger with clamps) ³	5" - 13.5"	Set at: *	J
FR10		Elevating legrest with calf pad, Length adjustable 4 Left Right	14" - 22"	Set at:	J
FR99		Omit Footrest			N/A

¹⁻ Available only with two piece adjustable footplates; 2- May interfere with front casters; 3- Not available with front mount and the elevating legrest; * +/- 1/2"

⁴⁻ The elevating legrest replace the footrest side selected; Not available with one piece footplate; 5- Not available with 8" caster

FOOT PLATES

- -Composite plastic foot plates are the standard option offered by the MWP. They are lighter but less durable than aluminum foot plates.
- -Adjustable angle foot plates (which are also depth adjustable) can be used to compensate for limited ankle ROM if necessary.
- Adjustable angle aluminum foot plates offer greater adjustability and may be selected if required based on ROM.
- -One-piece adjustable angle flip-up foot plates are available on the A6 but not the Move. This option is not chosen often because users may find it uncomfortable compared to individual foot rests that distribute the forces through two hangers. Other disadvantages include the possibility of the one-piece foot plate interfering with transfers and the difficulty some clients have when trying to flip it up.
- -Heel loops are standard but may be removed if not needed, or if they cause skin irritation or reduce the surface area for large feet.
- -Calf straps can be purchased but are not often used on folding chairs because they are attached to swingaway leg rests.
- -Residual limb supports are adjustable in height, depth, width and angle to improve/maintain positioning, comfort and skin integrity. Limb length would determine the dimensions. Contoured shape may offer more stability for the residual limb.

FOOTPLATE	es established	
FP01	Standard - Composite ¹	NC
FP02	Newton adjustable angle - Composite	J
FP03	Newton adjustable angle - Aluminum	ОТР
FP06	One piece adjustable angle flip-up - Aluminum	ОТР
FOOTPLATE	ACCESSORIES	
FP08	Length adjustable heel loop ²	NC
FP09	Calf strap	ОТР
FP30	Bodypoint Aeromesh Padded calf strap	ОТР

¹⁻ Not available with front mount . 2- Not available with

BACK REST SPECIFICATIONS including back canes, handles and upholstery

- -The optimal seat/back angle will be determined by factors such as hip flexion, kyphosis, eye gaze and propulsion.
- -Fixed angle back canes may be chosen when a back rest is being installed as the hardware will give some angle options. Note that greater recline angles may cause back cane interference with shoulders and trunk. If this occurs, angle adjustable back canes will likely be needed.
- -Both fixed and adjustable angle backs have an 8 degree bend, starting 8" above the seat.
- -The **8 degree bend** is designed to offer support in a more natural postural position. The goals are to keep the trunk more stable in relation to the pelvis and to increase freedom of arm movement. It lowers the push handle height slightly. The bend will also cause greater recline that may impact on sight line, positioning and stability. The bend will also contribute to upholstery stretching which may affect posture.
- -Higher back will give more support but may interfere with the shoulder excursion needed for self-propelling/transfers.
- -Optimal back height is determined by measuring the client from axilla to the seat, and then adding the height of the cushion.
- -Consider pressure issues, positioning and arm propulsion. When client needs pelvis support, aim to have the back support cover area below PSIS up to the inferior angle of the scapula. If there is a kyphotic apex below this landmark, the back height may need adjustment.
- -Stroller handles are helpful to tall caregivers. Stabilizer bar minimizes flex in back canes (especially in a wider chair without a solid back)
- -Slip-on upholstery is supplied when a solid back is not being ordered. Adjustable tension upholstery may be helpful for mild abnormalities.

SWING AWAY R	ESIDUAL LIMB SUPPORT					
FR27	Residual limb support - flat 6"x8"		Left	Right		ОТР
FR28	Residual limb support - flat 8"x10"		Left	Right		ОТР
FR29	Residual limb support - flat 10"x10"		Left	Right		ОТР
FR30	Residual limb support - flat 10"x14"		Left	Right		OTP
FR32	Residual limb support - contour 6"x8"		Left	Right		ОТР
FR33	Residual limb support - contour 8"x10	ı	Left	Right		ОТР
·			Backrest			
FIXED ANGLE B	ACK CANES WITH INTEGRATED PUSH HAI	IDLE (push handle included	- no further selection nee	eded)		
BC58-915	Straight aluminum back cane	9" - 15"	increment of 2	!/2"	Set at ² :	NC
BC58-1521	Straight aluminum back cane	15" - 21"	increment of 2	1/2"	Set at ² :	NC
BC60	Straight aluminum back cane	21" - 24"	increment of	1"	Set at ² :	J
BC01-16	8° bend aluminum back cane	16"				NC
BC01-18	8° bend aluminum back cane	18"				NC
BC01-20	8° bend aluminum back cane	20"				NC
BC59	8° bend aluminum back cane	21" - 24"	increment of 2	l"	Set at ² :	J
FIXED ANGLE, H	EIGHT ADJUSTABLE BACK CANES WITH PUS	H HANDLE OPTIONS (MUS	T select ONE push handle	options)		
BC11-912	Straight aluminum back cane	9" - 12"	increment of 2	!/2"	Set at ² :	J
BC11-1215	Straight aluminum back cane	12" - 15"	increment of 2	1/2"	Set at ² :	J
BC11-1518	Straight aluminum back cane	15" - 18"	increment of 2	1/2"	Set at ² :	1
BC11-1821	Straight aluminum back cane	18" - 21"	increment of 2	1/2"	Set at ² :	J
BC12-1315	8° bend aluminum back cane	13.5" - 15"	increment of 1	1/2"	Set at ² :	ОТР
BC12-1518	8° bend aluminum back cane	15" - 18"	increment of 1	1/2"	Set at ² :	ОТР
BC12-1821	8° bend aluminum back cane	18" - 21"	increment of	1/2"	Set at ² :	ОТР

PUSH HANDLES, STROLLER HANDLES, STABILIZER BARS and BACK UPHOLSTERY

- Push handles that are a fold down handles may be useful if the handles are not used continuously.
- Clamp-on adjustable handles may be useful if people pushing the chair vary in height, likely more applicable in pediatric settings.
- Stroller handles are helpful to tall caregivers.
- Stabilizer bar minimizes flex in the back canes (may be useful in wider (HD) chairs particularly if a back rest is not being installed)
- Slip-on upholstery is supplied when a solid back rest is not being ordered or if this is undecided.
- Adjustable tension upholstery may be helpful when abnormalities are not severe (e.g. mild kyphosis)
- If a solid back rest is definitely being ordered, the upholstery may be omitted to facilitate installation.

BC13-1518	Straight aluminum back cane	15" - 18'	"	increment of 1/2	"	Set at 2:		J
				,		Jet ut 1		
BC13-1821	Straight aluminum back cane	18" - 21'	II .	increment of 1/2	u	Set at ² :		J
BC14-1518	8° bend aluminum back cane	15" - 18'		increment of 1/2	ıı	Set at ² :		ОТР
BC14-1821	8° bend aluminum back cane	18" - 21'		increment of 1/2	u	Set at ² :		ОТР
	Select back cane angle:	85° ¹	90°	95° STD	100°	105°	110°	
PUSH HANDLE	S OPTIONS (ONE option at a time)							
PH01	Push handles							NC
PH05	Fold down push handles 3, 5							ОТР
PH06-920	Clamp on height adjustable push	handles 9"-20" ^{3,4, 5}						ОТР
PH06-923	Clamp on height adjustable push	handles 9"-23" ^{3,4, 5}						ОТР
PH02	Omit push handles							NC
STROLLER HAN	NDLE AND STABILIZER BAR (only availab	le with push handle)					·	
PH04	Stroller handle (not available with	the HD option)						ОТР
PH03	Newton folding stabilizer bar (no	ot available with strolle	er handle)					ОТР
4. Not compat	ible with swing away armrests, 8° bend back			ng is at the lowest positio utee axle plates; 5- Not co				3- 265lb weight limit endant lock
BACK UPHOLST								
BH05	Slip-on Nylon back upholstery							NC
PHOE	Adjustable tension Nulea back up	halstoni						OTD

BACK UPHO	OLSTERY			
BH05		Slip-on Nylon back upholstery		NC
BH06		Adjustable tension Nylon back upholstery		ОТР
ВН99		Omit Back upholstery		NC
		NXT back Support	See pricelist	ОТР
CEAT CHICH				
SEAT CUSH	IION			
SC01	IION	2" Cushion		ОТР
	IION	2" Cushion 3" Cushion		ОТР
SC01	lion			

REAR WHEELS and TIRES

- -Mag wheels require little or no maintenance but may warp over time. They are heavier than spokes with less shock absorption.
- **-Spoke wheels** are lighter with better shock absorption. They need maintenance but are easily repaired. They can be customized here may be a risk of fingers getting caught in spoke wheels. Spoke guards can minimize this risk.
- -**Urethane tires** are heavier than pneumatic, have increased rolling resistance and less shock absorption. They require less maintenance and have more tensile strength. They perform well on smooth indoor surfaces and are puncture proof.
- -Knobby tread on urethane tires helps to push wheels through outdoor terrain, but will bring more grit indoors.
- **-Pneumatic tires** give the most energy efficient, comfortable ride. The chair will be more shock absorbent and maneuverable. They should be checked weekly or more often if the chair performance changes. Inflation should be kept at the recommended PSI range.
- -Pneumatic with insert is smoother than solid urethane but is the heaviest tire. High pressure tires may be helpful to active users.

	Rear wheels		
ONE ARM DRIVE ¹	Only available with Newton One rear wheel, permanent axles and 0° camber		
HR22	One arm drive - aluminum inner handrim ^{2, 3} 24" Left Right		J
HR60	One arm drive - plastic coated inner handrim ^{2, 3} 24" Left Right		ОТР
HR98	Omit handrim on opposite side of the One Arm Drive (OAD)		OTP
REAR WHEELS		Available	
RW01	Mag ⁴	20", 22" 24"	ОТР
RW02	Newton One - spoke wheel ⁵	20", 22" 24"	NC
RW03	Newton Gravity - ultralight wheel	20", 22", 24", 25", 26"	ОТР
RW04	Spinergy Spox Blk STD Wht ⁶ Blue ⁶ Red ⁶ Yel ⁶	22", 24", 25", 26"	ОТР
RW05	Spinergy LX Blk STD Pur 6 Wht 6 Blue 6 Red 6 Yel 6 Pink 6 Grn 6 Org 6	22", 24", 25", 26"	ОТР
RW07	Spinergy CLX ⁷ Blk STD Pur ⁶ Wht ⁶ Blue ⁶ Red ⁶ Yel ⁶ Pink ⁶ Grn ⁶ Org ⁶	24", 25"	OTP

TIRES		Available						
Solid								
TI01	Soft Urethane 1 3/8"	20", 22" 24"	NC					
TI02	Soft Urethane knobby 1 3/8" 8	22", 24", 25", 26"	J					
TI04	Soft Urethane 1" - Shox	22", 24", 25", 26"	ОТР					
	Pneumatic							
TI05	Pneumatic 1 3/8"	20", 22", 24", 25", 26"	NC					
TI08	Pneumatic with Airless insert 1 3/8" ⁹	22", 24", 26"	OTP					
TI06	Pneumatic HP, Low Tread, Puncture resistant, black 1" - SpeedLite	20", 22", 24", 25", 26"	ОТР					
TI07	Pneumatic HP, Medium Tread, Puncture resistant, black 1" - TrailBlazer	24", 25", 26"	OTP					

1-Offered with handrims on each side of the wheelchair; select the outer handrim in the handrims section; 2- Only standard handrim position available; 3- Not available with HD option

- 4- Not compatible with HP tires: Only available with aluminum or plastic coated handrim, standard position: 5- Not compatible with Shox tires; 6- color spokes require an additionnal 10 days lead-time
- 7-Only available with 1" tires 8-22" is only available with Maas and Newton One rear wheels 9.Not available with Syneray CLX, Spineray LX 25", 26", and Spox 25", 26" rear wheels

HAND RIMS

- -Coated rims may increase efficiency compared to aluminum anodized (non-coated) rims.
- -Plastic coated rims may cause discomfort because sharp "burrs" often develop with wear and tear.
- -Neoprene burrs are softer and cause less discomfort. Wearing gloves may be helpful whether rims are coated or not.
- -Newton Air Grip rims can be ordered to help improve propulsion. A variety of colors can be purchased.
- -Newton Air Grips wear down over time but do not chip off the same way that plastic coated rims.
- -Simi H, Nova H, Optimum H, Surge and Natural Fit rims have added height and different shapes that can help with ergonomics and joint protection. This may be recommended when the client has issues that interfere with gripping the rim.

		Handrims option	
ASSEMBLY PO	SITION	·	
HR29	Standard Handrim position	Full tab	NC
HR030	Narrow Handrim position no cut	Full tab	NC
HR30	Narrow Handrim position with cut ³	Short tab 2 positions	J
HR31	Super Narrow Handrim ³	Short tab 2 positions STD Short tab 1 position	J
THUMB PIECE	SELECTION FOR NATURAL FIT, SURGE, SURGE L	T HANDRIMS	
HR23	Standard grip		ОТР
HR27	Super grip		ОТР
HR099	@mit thumb piece		ОТР
3 - Only availabl	le with Aluminum and Air Grip handrims;		
AXLE			
AX01	□Quick release axle 1		NC
AX02	□Permanent axle		J
AX03	□Quad release axle ¹		ОТР
AXLE PLATE			
AX04	Amputee adjustable axle plate ²	_	ОТР

2.May interfere with swing away arm rests and limit seat to floor height

CAMBER may increase lateral stability and improve propulsion efficiency, especially for active users. It may also protect finger joints from trauma when passing through doorways. 3 degrees of camber will widen the chair by about 1.5" which may hinder environmental access.

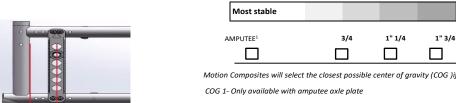
REAR WHE	EL CAMBER	R		
CM00		0° camber		NC
CM03		3° camber		NC

CENTER OF GRAVITY

Choose position of rear wheel axel plate: Measure distance from front of back to centre of axel receiver. Default setting is at 1" 1/4

2" 1/4

Most responsive



Motion Composites will select the closest possible center of gravity (COG) if an issue arises with the COG

- -Clients may benefit from an axel that is in a more responsive in position. This will improve wheeling efficiency by aligning the centre of gravity of the chair with that of the client. The majority of the client's weight should be over the rear wheels. With client's arms positioned at each side, the middle finger should line up with the centre of the wheel.
- -Optimal axel set-up is a high priority. Setting the axel at the mid-way point or slightly further back is a good place to start. Adjustments can be made from there. The added axel options may justify choosing the A6 over the Move for eligible clients.

ARM RESTS

- -Flip back armrests are helpful for those who transfer laterally (e.g. sliding board) as the armrest and hardware flip out of the way.
- -"T" style armrests are more sturdy for clients who weight bear heavily through arm rests during transfers.
- -Arm rest length is determined by forearm length, positioning, and the use of the arm rests during transfers and table/desk access.
- -Swing away armrests are not available on the Move chair. They may be indicated for those who have decreased hand function who transfer laterally, and cannot manage a flip back style arm rest.
- -Gel pads (also not on the Move), can be ordered to increase comfort but the added thickness may interfere with other components.

Armrests						
HEIGHT ADJUSTAB	LE FLIP BACK ARMREST (Convertible to "T" armrest) 1, 4					
AR01-812	10" Desk length armpad 8" - 12" Locked Unlocked STD	NC				
AR01-1014	10" Desk length armpad 10" - 14" Locked Unlocked STD	NC				
AR02-812	14" Full length armpad 8" - 12" Locked Unlocked STD	NC				
AR02-1014	14" Full length armpad 10" - 14" Locked Unlocked STD	NC				
HEIGHT ADJUSTAB	E "T" ARMREST ¹					
AR13-610	10" Desk length armpad ⁵ 6" - 10"	NC				
AR13-812	10" Desk length armpad 8" - 12"	NC				
AR13-1014	10" Desk length armpad 10" - 14"	NC				
AR14-610	14" Full length armpad ⁵ 6" - 10"	NC				
AR14-812	14" Full length armpad 8" - 12"	NC				
AR14-1014	14" Full length armpad 10" - 14"	NC				
SWING AWAY ARM	REST ²					
AR05	Tubular armrest - Short pad 8" - 11"	J				
AR23	Tubular armrest -long pad 8" - 11"	J				
AR06	10" Desk length flat armpad 8" - 11"	J				
AR17	14" Full length flat armpad 8" - 11"	J				
ARMREST OPTIONS						
AR12	14" Full Length armpad - Gel Ovation (pair) ³	ОТР				
AR99	Omit armrest	J				

1.May have 1/2" adjustment restriction on both limits of the range;

- 2- Could interfere with some rigid backrests; Not available with attendant lock and fixed carbon fiber side guards;
- $3. Only\ available\ with\ full\ length\ arm rest;\ Not\ available\ with\ tubular\ (short\ and\ long)\ and\ short\ arm rest;$
- **4-** Not available with attendant lock; **5-** May have some restriction with seat-to-floor height and rear wheel

SIDES GUARDS

- Side guards are not available on Move chairs. If client purchases for the A6, carbon fiber will be lighter and stronger than plastic.
- Side guards can be helpful to fill in the gap between the wheel and seat cushion.

SIDE GUAR	OS (not available with Flip Back and "T" Armrest)	
SG01	Plastic side guards (removable)	OTP
SG02	Carbon fiber side guards (fixed)	OTP
SG03	Carbon fiber side guards (removable)	OTP
SG06	Plastic fender side guards - straight bracket (removable)	OTP
SG08	Plastic fender side guards - offset bracket (removable) 1	OTP
SG04	Carbon fiber fender side guards (removable)	ОТР
SG99	Omit side guard	NC
SIDE GUARI	S OPTION	
SG07	Side guards clip (pair) ²	NC

only compatible with 0° camber; Increase distance between fender side guards by 1 1/8";

2- Not available with fixed carbon fiber side guard

BELTS

- 35" Auto buckle belt is standard. 60" is available for larger abdominal girth. Hardware needed for attachment.
- These postural lap belts are not transit compliant in that they are not designed to withstand crash forces.
- BodyPoint belt may be helpful when stiffness or abnormal tone interferes with proper hip placement

POSITIONIN	POSITIONING BELT						
SB01-S	Velcro adjustable - Standard 35" ¹	ОТР					
SB01-L	Velcro adjustable - Long 60"	OTP					
SB02-S	Auto buckle - Standard 35" 1	NC					
SB02-L	Auto buckle - Long 60"	NC					
SB04-M	BodyPoint Hip Belt - 2 point not padded - Medium 56"	OTP					
SB04-L	BodyPoint Hip Belt - 2 point not padded - Long 61"	ОТР					
SB05-S	BodyPoint Hip Belt - 2 point padded - Small 51"	ОТР					
SB05-M	BodyPoint Hip Belt - 2 point padded - Medium 56"	OTP					
SB05-L	BodyPoint Hip Belt - 2 point padded - Long 61"	ОТР					

SB06-S	BodyPoint Hip Belt - 4 point padded - Small 51"	ОТР
SB06-M	BodyPoint Hip Belt - 4 point padded - Medium 56"	OTP
SB06-L	BodyPoint Hip Belt - 4 point padded - Long 61"	ОТР
SB03	Hardware attachment for 2 extra points (1 pair)	ОТР
SB08-M	BodyPoint EVOFLEX® Positioning Belt Rehab latch and Band Clamps - Medium 18"	OTP
SB08-L	BodyPoint EVOFLEX® Positioning Belt Rehab latch and Band Clamps - Long 24"	OTP
SB99	Omit positioning belt	NC

¹⁻ Not available with wheelchair width of 18" and more

HEADRESTS

-Head rests are not often needed for chairs that do not tilt/recline, but are available for purchase if indicated.

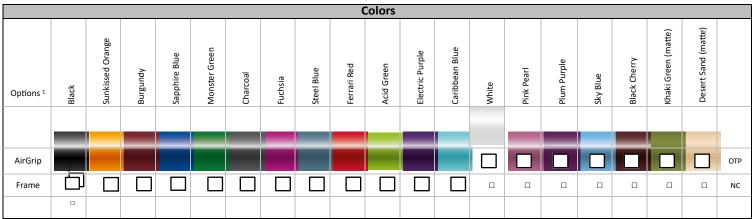
HEADREST		
AC01-S	Profiled Headrest - Small (3.5"X6")	ОТР
AC01-M	Profiled Headrest - Medium (4.5"X7")	ОТР
AC01-L	Profiled Headrest - Large (5.5"X8")	ОТР
AC28	Headrest mounting hardware with removable non folding stabilizer bar ¹	OTP

ACCESSORIES are listed below. The only ones available through the program are anti-tippers.

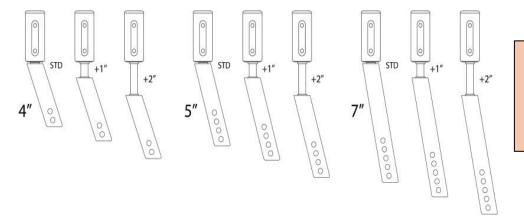
ACCESSORIE	S									
AC03		Anti-tippers								NC
AC29		Swing-away anti-tipper ¹		Left	Right					ОТР
AC27		Tip assist ²								ОТР
AC06		Cane and crutch holder		Left	Right					OTP
AC07		Oxygen tank holder 4 - D and E Type	e - Installed	to the left						ОТР
AC08		Spoke guards ³	Available:	20", 22", 24",	26"					ОТР
AC09		Footrest neoprene impact guard (pair) - Black						ОТР		
AC10		Seat pouch								ОТР
AC30		Newton multi-purpose pouch								ОТР
AC26		BodyPoint Mobility Bag								ОТР
AC23		Newton Backpack								OTP
AC12		Velcro Closing Strap								OTP
AC13		Tool kit								ОТР
AC16		Matin Committee Dale Chint	W/S	W/M	W/L					OTD
AC16	Ш	Motion Composites Polo Shirt	M/S	M/M	M/L	M/XL	M/XXL	M/XXXL		ОТР

^{1.}Must select the pair (left and right) with HD option; Only available with rear seat to floor height between 13 1/2" and 19 3/4", 2- Cannot be combined with Anti Tippers

FRAME COLORS are shown below. They are available to clients who wish to personally customize their chair. Black is the only color available through Manitoba Possible.



¹⁻ Color representation may vary from one monitor to another. Therefore, the actual paint color on your wheelchair might differ slightly from what you see on your screen.; Finish between Airgrip and frame might be different;



FORK AND STEM BOLT COMBINATIONS

This diagram gives a visual representation of fork and stem bolt combinations. It assists in choosing the ones that will give the required STFH for the STFH on p1.

Options for forks and stem bolts were discussed earlier. Here are some additional factors to keep in mind.

- Both the length of the fork and the length of the stem bolt will affect STFH.
- Lengthening the fork will reduce efficiency because it is a moving piece which takes user energy.
- A stem bolt is a non-moving piece. It will affect the front STFH but does not affect efficiency.
- Generally speaking, a longer fork allows for more position options without changing parts. However, choosing a fork that is unnecessarily long may reduce propulsion efficiency and contribute to caster interference.
- Although longer stem bolts are not standard, it may be better to choose a longer stem bolt than a longer fork if a higher STFH is needed. This may help to avoid reduced propulsion efficiency.
- Whenever possible, choose a fork/stem bolt combination that offers options of raising or lowering STFH without changing parts. This will assist with adjustments that may be needed when seating components are installed or when a client is no longer foot propelling. Check the STFH chart on page 1 for options that alter seat height using the same parts.

TWO ADD-ONE of ADDITIONAL INFO

UNILATERAL WHEEL LOCK RESTRICTIONS are shown in the chart below. This which would likely apply only to chairs with a one-arm drive. Note that the design of the one-arm drive mechanism has improved over the years and may be a more viable option.

Rear wheel: shall be 24 in and less "T" or flip-back armrest only compatible with 0° Camber One arm drive: Not compatible with "T" or flip-back armrest "T" or flip-back armrest may require to move the rear wheels outw. Not compatible with wheel lock lever extension						
One arm drive: Not compatible with "T" or flip-back armrest "T" or flip-back armrest may require to move the rear wheels outwo						
"T" or flip-back armrest may require to move the rear wheels outwo						
Not compatible with wheel lock lever extension	rds					
The companie with wheel rock level extension						
Rear wheel diameter Seat depth (in) COG Compatibility Range (in)						
20 in 16+ 1.25 to 2.75						
22 in 16 0.75 to 2.25						
17+ 0.75 to 2.75						
16 0.75 to 1.75						
24 in 17 0.75 to 2.25						
18+ 0.75 to 2.75						

-A "caster drop test" may be helpful if a client has noticed that their wheelchair is not performing well.

Propulsion will be reduced if casters are too tight or too loose. With the chair flipped up, use caster drop test to check. If the stem bolt is too tight, the caster won't drop with a light tap. If it's under-tightened, it will drop and swivel too easily.

-Another reason for casters not spinning freely is if they are clogged with dirt/hair.

N	Ю	т	F	c	•
- 11	v	4	_	J	•