

**"Tip Sheet" to assist with the completion of the order form for the  
Motion Composites HELIO A6 WHEELCHAIR  
prepared by Community Therapy Services**



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**5.1**



\* Required

Required

MODEL										
1	WC19	Ultralight folding Helio A6 Wheelchair - 6000 series aluminum (265lb weight capacity)								<input type="checkbox"/>
2	WC09	HD Heavy duty kit (350 lb weight capacity)								<input type="checkbox"/>
SEAT WIDTH <sup>3</sup>										
3	SW	Seat width:	14" <input type="checkbox"/>	15" <input type="checkbox"/>	16" <input type="checkbox"/>	17" <input type="checkbox"/>	18" <sup>1</sup> <input type="checkbox"/>			<input type="checkbox"/>
4	SW	Seat width:	19" <sup>1</sup> <input type="checkbox"/>	20" <sup>1</sup> <input type="checkbox"/>	21" <sup>2</sup> <input type="checkbox"/>	22" <sup>2</sup> <input type="checkbox"/>				<input type="checkbox"/>
SEAT DEPTH										
5	SD	Seat depth:	14" <input type="checkbox"/>	15" <input type="checkbox"/>	16" <input type="checkbox"/>	17" <input type="checkbox"/>	18" <input type="checkbox"/>			<input type="checkbox"/>
6	SD	Seat depth:	19" <input type="checkbox"/>	20" <input type="checkbox"/>						<input type="checkbox"/>

1 - Available with HD Kit (350 lb)

2 - Only with HD Kit (350 lb)

3. Width calculator

- 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 the lateral supports.
- Some clients may be concerned about access through doorways, etc., but this rarely supersedes client dimensions.
- Seat depth is determined mainly by thigh length but may also be affected by whether or not the client self-propels with their feet. Excessive seat depth will limit the knee flexion required for effective foot propulsion.
- The increments for seat width and depth are 1" on the A6 as opposed to 2" on the Move.
- The range of seat depth available on the A6 (14"-20") is greater than the Move (16"-20").

**A6 FRONT Seat-to-floor Height - Please select your choice**

		6" caster			8" caster		
		Stem bolt Length			Stem bolt Length		
Forks / Position		STD	+1"	+2"	STD	+1"	+2"
5"	P1						
	P2						
	P3	14 1/2 <input type="checkbox"/>	15 1/2 <input type="checkbox"/>	16 1/2 <input type="checkbox"/>			
	P4	15 <input type="checkbox"/>	16 <input type="checkbox"/>	17 <input type="checkbox"/>			
7"	P1	15 1/2 <input type="checkbox"/>	16 1/2 <input type="checkbox"/>	17 1/2 <input type="checkbox"/>			
	P2	16 <input type="checkbox"/>	17 <input type="checkbox"/>	18 <input type="checkbox"/>			
	P3	16 1/2 <input type="checkbox"/>	17 1/2 <input type="checkbox"/>	18 1/2 <input type="checkbox"/>	17 1/2 <input type="checkbox"/>	18 1/2 <input type="checkbox"/>	19 1/2 <input type="checkbox"/>
	P4	17 <input type="checkbox"/>	18 <input type="checkbox"/>	19 <input type="checkbox"/>	18 <input type="checkbox"/>	19 <input type="checkbox"/>	20 <input type="checkbox"/>
	P5	17 1/2 <input type="checkbox"/>	18 1/2 <input type="checkbox"/>	19 1/2 <input type="checkbox"/>	18 1/2 <input type="checkbox"/>	19 1/2 <input type="checkbox"/>	20 1/2 <input type="checkbox"/>

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

- Refer to the STFH chart and the diagram on the last page which illustrates stem bolt/fork combinations. Additional info is provided.
- Choose the caster size, fork position and stem bolt length needed to obtain the required STFH.

- Usually the needed STFH can be achieved with several different combinations of caster size, forks and stem bolts. Consider the following:
- 6" casters are standard when the STFH needs to be less than 17.5"
- Consider the client's skill level and environment when choosing casters. Larger diameter casters roll better but can make it harder to get the chair in a forward facing position. Smaller diameter casters are more efficient but the client will feel more vibration.

- As general rule, the shorter the fork, the more maneuverable the chair will be, especially in confined spaces.
- The greater the distance between the chair frame and the bottom of the caster, the less maneuverable the chair will be.
- When the required STFH can be obtained with both 6" and 8" casters, 8" may be preferred when the chair will be used outdoors often.
- When the required STFH can be obtained with two different fork positions, there may be some merit to choosing the one that gives adjustment options without changing to parts that are not standard. (e.g. If the required STFH is 16.5", choose the P3 option with the standard bolt length. This allows up/down adjustments without needing to change to a 1" or 2" bolt length which are not standard.)

CASTERS							
7	CA01	Composite wheel w/ PU tire (1" width)	6" 8"				<input type="checkbox"/>
8	CA10	Pneumatic casters 6" x 1 ¼"		See dealer			<input type="checkbox"/>
9	CA11	Pneumatic casters 8" x 1 ¼"		See dealer			<input type="checkbox"/>
10	CA16	Newton UltraCaster Soft-Roll Composite	6" x 1 ½ "		J		<input type="checkbox"/>
CASTER OPTIONS							
11	CA12	Caster Pin Locks (Available with +1" or +2" Stem bolt ONLY)		See dealer			<input type="checkbox"/>
12	CA13	Frog Legs suspension forks phase-one (Not available with caster pin locks)	User weight:	See dealer	additional 10 days lead-time		<input type="checkbox"/>

- Composite wheels with PU (poly-urethane) tires are the standard choice.
- Pneumatic casters may be chosen but are used much less often than pneumatic tires for rear wheels (partly because this would require the maintenance of 4 tires rather than just 2 tires if pneumatic rear wheels were also chosen).
- Wider casters will not sink into softer surfaces (grass, mud etc) as much as narrow casters.
- Newton Ultra Soft Roll casters are wider and function well inside and outside. They absorb vibration and may improve propulsion.

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

### Helio A6 - REAR Seat-to-floor Height - Please select your choice

Configuration used: 1" seat slope with a center of gravity at 2" Note: Tire size, center of gravity setting and seat slope may result in a variation of +/- ½" of selected seat to floor height"

22"		24"	
13		13 3/4	
13 1/2		14 1/4	
14		14 3/4	
14 1/2		15 1/4	
15		15 3/4	
15 1/2		16 1/4	
16		16 3/4	
16 1/2		17 1/4	
17		17 3/4	
17 1/2		18 1/4	
18		18 3/4	
18 1/2		19 ¼	

- Use chart to indicate wheel size.
- 24" wheels are more common but may contribute to excessive elbow flexion and/or reduced propulsion, especially with lower STFH's.
- 22" wheels may be needed to obtain lower STFH and could enable easier propulsion.
- 22" wheels are often indicated for shorter clients (less than 5'4" tall) to give better access to rims.
- The rear STFH is usually ½"-1" lower than the front. Greater dump can reduce tendency to slide down but may interfere with transfers.

Footrest									
SWING-IN/SWING-OUT FOOTREST									
13	FR03	60° Swing-in/swing-out footrest	13.5 - 17"	14.5 - 19.5"	15.5 - 20.5"	Set at: *	See dealer		<input type="checkbox"/>
14	FR04	70° Swing-in/swing-out footrest	13.5 - 17"	14.5 - 19.5"	15.5 - 20.5"	Set at: *			<input type="checkbox"/>
15	FR15	80° Swing-in/swing-out footrest	13.5 - 16"	14.5 - 19.5"	15.5 - 20.5"	Set at: *			<input type="checkbox"/>
90° SWING-IN/SWING-OUT FOOTREST WITH FRONT MOUNT <i>(Footplate mounted to hanger tube)</i>									
16	FR06	90° swing-in/swing-out with front mount - Standard (no extension) <sup>1</sup>	7.5 - 11"			Set at: *			<input type="checkbox"/>
17	FR07	90° swing-in/swing-out with front mount - Short extension 2" <sup>1, 2</sup>	9.5 - 13"			Set at: *			<input type="checkbox"/>
18	FR08	90° swing-in/swing-out with front mount - Medium extension 4" <sup>1, 2</sup>	9.5 - 14.5"			Set at: *			<input type="checkbox"/>
FOOTREST OPTIONS <sup>3</sup>									
19	FR09	High mount (footplate attached to hanger with clamps)	Range guide: 5 - 13.5"			Set at: *	J		<input type="checkbox"/>
20	FR99	Omit Footrest							<input type="checkbox"/>
1 - Available only with adjustable footplates      2 - May interfere with front casters      3- Not available with front mount      * + or - 1/2"									
ELEVATING LEGREST <i>(unit)</i>				The elevating legrest replace the footrest side selected					
21	FR10	Elevating legrest with calf pad, 14" - 22" Length adjustable	Left <input type="checkbox"/> Right <input type="checkbox"/>			Set at:	J		<input type="checkbox"/>

- Swing-in/Swing-out footrests are available on the A6 but not the Move. They facilitate access to other surfaces (e.g. toilet) for transfers.
- 70 degree footrests are standard but other hanger angles may be chosen.
- Tightness of the quads and/or hamstrings will affect the required hanger angle. If the angle is not suitable, the pelvis may tilt anteriorly or posteriorly. The client could move forward on the seat and be unstable.
- Improper hanger angles and reduced ankle range may result in difficulty placing the feet on the foot plates.
- More extended hanger angles (60 degrees) result in a larger footprint which may limit environmental access.
- Less extended hanger angles (70 degrees) may cause caster interference. Higher STFH may be needed.
- 80 degree hanger angles are available on the A6 but not the Move.
- Factors such as seat depth, footplates and calf pads will also affect the choice of leg rest angles.

- High mount footrests 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 ROM on one or both sides. They may be helpful to support an orthotic.
- ELRs are often ineffective in controlling edema and will reduce maneuverability.

- Leg rest length is measured from the seat upholstery to the middle of the footplate.
- Leg rest length will be determined by the client's leg length less the height of the cushion.
- Indicate the range of the leg rest as well as the specific length that the leg rest should be set at.

FOOTPLATES									
22	FP01	Standard <i>(Composite)</i>					STD		<input type="checkbox"/>
23	FP02	Newton adjustable angle <i>(Composite)</i>				J			<input type="checkbox"/>
24	FP03	Newton adjustable angle <i>(Aluminum)</i>				See dealer			<input type="checkbox"/>
25	FP06	One piece adjustable angle flip-up <i>(Aluminum)</i>				See dealer			<input type="checkbox"/>
FOOTPLATE ACCESSORIES									
26	FP08	Length adjustable heel loop <i>(not available with one piece footplate)</i>							
27	FP09	Calf strap				See dealer			<input type="checkbox"/>
28	FP30	Bodypoint Aeromesh Padded calf strap				See dealer			<input type="checkbox"/>

- Composite plastic foot plates are standard. Composite are lighter but less durable than aluminum foot plates.
- Adjustable angle composite foot plates are available 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 ineffective over time. Calf straps such as Bodypoint straps can be purchased.
- Calf straps are not often used on manual chairs that do not tilt.

RESIDUAL LIMB SUPPORT FLAT CUSHION (Swing-out, depth, width, height and angle adjustable) - (unit)									
29	FR27	Residual limb support swing-out - flat 6"x8"	Left	Right		See dealer			
30	FR28	Residual limb support swing-out - flat 8"x10"	Left	Right		See dealer			
31	FR29	Residual limb support swing-out - flat 10"x10"	Left	Right		See dealer			
32	FR30	Residual limb support swing-out - flat 10"x14"	Left	Right		See dealer			
RESIDUAL LIMB SUPPORT CONTOUR CUSHION (Swing-out, depth, width, height and angle adjustable) - (unit)									
33	FR32	Residual limb support swing-out - contour 6"x8"	Left	Right		See dealer			
34	FR33	Residual limb support swing-out - contour 8"x10"	Left	Right		See dealer			

- Residual limb support can be achieved through the chair frame or through seating products.
- If the support is needed on the frame, the limb length would determine the dimension. Contoured shape may offer more stability.

Back canes with integrated push handle (not height adjustable)									
FIXED ANGLE BACK									
35	BC58	Straight aluminum back cane	9-15" <input type="checkbox"/>	15-21" <input type="checkbox"/>	1/2" of increment	Set at:			<input type="checkbox"/>
36	BC01	8° bend aluminum back cane	16-20" <input type="checkbox"/>		2" of increment	Set at:	See dealer		<input type="checkbox"/>

Back canes, height adjustable, with or without push handle									
FIXED ANGLE BACK									
37	BC11	Straight aluminum back cane	12 - 15"	15 - 18"	18 - 21"	STD	J		<input type="checkbox"/>
38	BC12	8° bend aluminum back cane	13.5 - 15"	15 - 18"	18 - 21"	STD	See dealer		<input type="checkbox"/>
ADJUSTABLE ANGLE BACK									
39	BC13	Adjustable angle, straight aluminum back cane		15 - 18"	18 - 21"	STD	J		<input type="checkbox"/>
40	BC14	Adjustable angle, 8° bend aluminum back cane		15 - 18"	18 - 21"	STD	See dealer		<input type="checkbox"/>
41		Select back cane angle:	85° <input type="checkbox"/>	90° STD <input type="checkbox"/>	95° <input type="checkbox"/>	100° <input type="checkbox"/>	105° <input type="checkbox"/>	110° <input type="checkbox"/>	
Set height to: <sup>2</sup>		(measured from seat sling to top of back upholstery)							
42	PH01	Push handles						STD	<input type="checkbox"/>
43	PH05	Fold down push handles <sup>3, 5</sup>					See dealer		<input type="checkbox"/>
44	PH06	Clamp on height adjustable push handle <sup>3, 4, 5</sup>	9 - 20" STD <input type="checkbox"/>	9-23" <input type="checkbox"/>			See dealer		<input type="checkbox"/>
45	PH02	Without push handles							<input type="checkbox"/>

1 - Not compatible with 8 degree bent back

2 - If not indicated, default height setting is at the lowest position

3 - 265 pounds weight limit

4 - Not compatible with swing away armrests, 8° bend back canes and amputee axle plates

5 - Not compatible with stroller handler, stabilizer bar, headrest and attendant lock

- Height adjustable back canes offer the option to make adjustments once the cushion and backrests are installed on the chair. Fixed height back canes do not offer this flexibility.
- The 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 and the back rest hardware offers the required angle options. If the back rest does not give sufficient angle range, adjustable back canes may be preferred. A range of adjustability is helpful when installing cushions and solid back rests.
- 8 degree bend may be beneficial as it tends to line up with landmarks that offer postural support in a more natural seated posture for most people. Note that the 8 degree bend may interfere with back rest mounting hardware.
- Wheelchair back height is determined by measuring the client from axilla to the seat, and then adding the height of the cushion.
- Higher back upholstery will give more support but may interfere with shoulder excursion or upper limb range for propulsion or transfers.
- Purchase and installation of a solid back is encouraged whenever possible to improve positioning, propulsion, efficiency, comfort and tolerance. It will also allow for adjustment over time.

- There are several push handle options on the A6 that are not available on the Move.
- 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. (Perhaps more applicable in pediatric settings.)

STROLLER HANDLE AND STABILIZER BAR <sup>1</sup> (only available with push handle)									
46	PH04	Stroller handle (not available with the HD option)				See dealer			<input type="checkbox"/>
47	PH03	Newton folding stabilizer bar				See dealer			<input type="checkbox"/>

- Stroller handles are helpful to tall caregivers.
- Stabilizer bar minimizes flex in the back canes which may be useful in wider (HD) chairs particularly if a back rest is not being installed.

BACK UPHOLSTERY							
48	BH05	Slip-on Nylon back upholstery					<input type="checkbox"/>
49	BH06	Adjustable tension Nylon back upholstery			See dealer		<input type="checkbox"/>
50	BH99	Omit Back upholstery				STD	<input type="checkbox"/>

- 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) or if the client is a part-time user.
- If a solid back rest is definitely being ordered, the upholstery may be omitted to facilitate installation.

Rear wheels											
ONE ARM DRIVE <sup>1</sup>				Only available with Newton One rear wheels with Aluminum, Plastic coated Handrims							
51	HR22	One arm drive <sup>2, 3</sup> 24"	Left	Right					See dealer		<input type="checkbox"/>
52	HR98	Omit handrim on opposite side of the One Arm Drive (OAD)							See dealer		<input type="checkbox"/>
REAR WHEELS											
53	RW01	Mag <sup>1</sup>			22"	24"			See dealer		<input type="checkbox"/>
54	RW02	Newton One - spoke wheel <sup>2</sup>			22"	24"					<input type="checkbox"/>
55	RW03	Newton Gravity - ultralight wheel			22"	24"			See dealer		<input type="checkbox"/>
56	RW04	Spinerge Spox			22"	24"			See dealer		<input type="checkbox"/>
57		Spinerge Spox spokes colors <sup>3</sup>	Blk STD	Wht	Blue	Red	Yel		See dealer		<input type="checkbox"/>
58	RW05	Spinerge LX			22"	24"			See dealer		<input type="checkbox"/>
59		Spinerge LX spokes colors <sup>3</sup>	Blk STD	Pur	Wht	Blue	Red	Yel	Pink	Grn	Org
60	RW07	Spinerge CLX Carbon Blade					24"		See dealer		<input type="checkbox"/>
61		Spinerge CLX spokes colors <sup>3</sup>	Blk STD	Pur	Wht	Blue	Red	Yel	Pink	Grn	Org
									See dealer		<input type="checkbox"/>
TIRES				Available							
62	TI01	Soft Urethane 1 3/8"			22"	24"			See dealer	STD	<input type="checkbox"/>
63	TI02	Soft Urethane knobby 1 3/8"			22", 24"						<input type="checkbox"/>
64	TI04	Soft Urethane - Shox 1"			22", 24"				See dealer		<input type="checkbox"/>
65	TI05	Pneumatic 1 3/8"			22", 24"						<input type="checkbox"/>
66	TI08	Pneumatic with Airless insert 1 3/8"			22", 24"				See dealer		<input type="checkbox"/>
67	TI06	Pneumatic HP - 1"			22", 24"				See dealer		<input type="checkbox"/>
68	TI07	Pneumatic HP - Schwalbe Marathon Plus 1"			24"				See dealer		<input type="checkbox"/>

1 - HP tires are not compatible with Mag Wheels -use only aluminum or plastic coated handrim

2 - Not compatible with Shox tires 3 - Colour spokes require an additional 10 days lead-time

- Mag wheels require little or no maintenance but may warp over time. They are heavier than spokes and offer less shock absorption.
- Spoke wheels are lighter with better shock absorption. They require maintenance but are easily repaired. They are more customizable.
- There 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 to facilitate carrying heavier loads. 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. They are more shock absorbent and may make the chair more maneuverable (very important to active users). They should be checked weekly and air added 1-2x/mo. They will go flat if punctured.
- Pneumatic with insert is smoother than solid urethane but is the heaviest tire. High pressure tires may be beneficial to very active users.

Handrims											
HANDRIM											
69	HR01	Aluminum anodized								STD	<input type="checkbox"/>
70	HR02	Plastic coated <sup>3</sup>							See dealer		<input type="checkbox"/>
71	HR03	Q-Grip High friction Neoprene coated <sup>1, 2, 3</sup>							See dealer		<input type="checkbox"/>
72	HR07	Newton Air Grip <sup>1</sup>	Black						J		<input type="checkbox"/>
73	HR08	Newton Air Grip <sup>1</sup>	(08) Sunkissed Orange	(09) Burgundy	(10) Sapphire Blue				See dealer		<input type="checkbox"/>
		(11) Monster Green	(12) Charcoal	(13) Fuchsia	(14) Steel Blue				See dealer		
		(15) Ferrari Red	(16) Acid Green	(17) White	(18) Sky Blue				See dealer		
74	HR28	Surge <sup>1, 2, 3</sup>	(1-1/2" Oval handrim w/ Gripton high friction strip)						See dealer		<input type="checkbox"/>
75	HR05	Surge LT <sup>1, 2, 3</sup>	(1-1/8" Oval handrim w/ Gripton high friction strip)	**Limited availability					See dealer		<input type="checkbox"/>
76	HR04	Natural Fit <sup>1,2,3</sup>		**Limited availability					See dealer		<input type="checkbox"/>
77	HR99	Omit handrim							See dealer		<input type="checkbox"/>

1- Not available with Mag wheels

2 - Not available in 20"

3- Only standard handrim position available

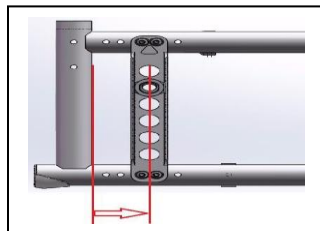
- Coated rims may increase efficiency compared to aluminum anodized (non-coated) rims.
- Plastic coated rims may cause discomfort because sharp “burrs” often develop with wear and tear.
- Neoprene burrs are softer and cause less discomfort. Wearing gloves may be helpful whether rims are coated or not.
- 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 do.
- The added height of Surge and Natural Fit rims allows for a more open hand position. (Rims with smaller height require a tighter grasp.)

Handrim options						
Assembly position for aluminum and Newton Air Grip handrim						
78	HR29	Standard Handrim position	Full tab			<input type="checkbox"/>
79	HR30	Narrow Handrim position	Short tab 2 positions		J	<input type="checkbox"/>
80	HR31	Super Narrow Handrim	Short tab 2 positions STD      Short tab 1 position		J	<input type="checkbox"/>
Thumb piece <sup>4</sup> selection Natural Fit handrims						
81	HR23	Standard grip			See dealer	<input type="checkbox"/>
82	HR27	Super grip			See dealer	<input type="checkbox"/>
83	HR099	Omit thumb piece			See dealer	<input type="checkbox"/>
4- Compatible with Surge, Surge LT handrims						
AXLE						
84	AX01	Quick release axle			STD	<input type="checkbox"/>
85	AX02	Permanent axle				<input type="checkbox"/>
AXLE PLATE						
86	AX04	Amputee adjustable axle plate (may interfere with swing away armrest)			See dealer	<input type="checkbox"/>

- Handrim position will determine the distance between the client’s hand and the rim. Full tab is standard.
- Changing the handrim position may affect the overall chair width slightly.
- Both the Narrow and the Super Narrow rims have 2 positions which may be helpful in reducing chair width slightly.
- Space for the thumb when propelling should be a consideration as well as the client’s hand propulsion technique.
- Quick release axle is the standard option.

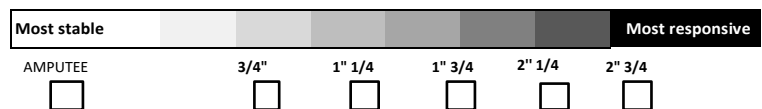
REAR WHEEL CAMBER						
87	CM00	0° camber			STD	<input type="checkbox"/>
88	CM03	3° camber				<input type="checkbox"/>

- Note that the camber option is not available on the Move chair.
- Camber may increase lateral stability and improve propulsion efficiency.
- 3 degrees of camber will widen the chair by about 1.5” which may hinder environmental access.



## CENTER OF GRAVITY (Without WC-19)

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



If a configuration issue arises due to the choice of the Center Of Gravity (COG) Motion Composites reserves the right to reduce or increase the COG to the closest position

- Clients may benefit from an axle that is in a more responsive position in order to improve wheeling efficiency. A more responsive position aligns the COG of the chair with that of the client. The majority of the client’s weight should be over the rear wheel. With client’s arms positioned at each side, the middle finger should line up with the centre of the wheel.
- Optimum axle set-up is a high priority. Setting the axle at the mid-way point or slightly further back is a good place to start. Adjustments can be made from there. (Note that the increment options are greater for the A6 compared to the Move.)

WHEEL LOCK						
89	WL08	Newton Wheel lock - push to lock			STD	<input type="checkbox"/>
90	WL02	Pull to lock				<input type="checkbox"/>
91	WL04	Newton grade aid push to lock <i>(suggested with pneumatic or high pressure tire)</i>		See dealer		<input type="checkbox"/>
92	WL13 WL14	6" removable extension handle		J		<input type="checkbox"/>
93	WL05	Scissor Lock		See dealer		<input type="checkbox"/>
94	WL06	Attendant Lock <i>(additional set of wheel lock mounted to the back)</i>		See dealer		<input type="checkbox"/>
95	WL99	Omit wheel locks				<input type="checkbox"/>

- Push to lock wheel locks are the most common. They offer less interference with lateral/sliding transfers.
- Extension handles may be useful with clients who have difficulty reaching the handles or are too weak to push.
- Scissor locks are out of way but can be difficult to access and operate as greater finger/thumb dexterity and strength are needed.

Armrests									
FLIP BACK ARMREST <i>(Convertible to "T" armrest)</i> <sup>1</sup>				Height Adjustment		Removable function			
96	AR01	10" Desk length arm pad	8 - 12" <b>STD</b>	10 - 14"	Locked	Unlocked	STD		<input type="checkbox"/>
97	AR02	14" Full length arm pad	8 - 12" <b>STD</b>	10 - 14"	Locked	Unlocked	STD		<input type="checkbox"/>
"T" ARMREST <sup>1</sup>				Height Adjustment					
98	AR13	10" Desk length arm pad	8 - 12" <b>STD</b> <input type="checkbox"/>	10 - 14" <input type="checkbox"/>					<input type="checkbox"/>
99	AR14	14" Full length arm pad	8 - 12" <b>STD</b> <input type="checkbox"/>	10 - 14" <input type="checkbox"/>					<input type="checkbox"/>
SWING AWAY ARMREST <sup>2</sup>				Height Adjustment					
100	AR05	Tubular arm pad	8 - 11"			J			<input type="checkbox"/>
101	AR06	10" Desk length arm pad	8 - 11"			J			<input type="checkbox"/>
GEL ARM PAD									
102	AR12	14" Full Length Arm Pad - Gel Ovation (pair)				See dealer			<input type="checkbox"/>
1 - May have a 1/2" adjustment restriction on both limits of the range					2 - Could interfere with some rigid back rests				
103	AR99	Omit armrest				J			<input type="checkbox"/>

- 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.

SIDE GUARDS <i>(not available with Flip Back and "T" Armrest)</i>						
104	SG01	Plastic side guards <i>(removable)</i>			See dealer	<input type="checkbox"/>
105	SG02	Carbon fiber side guards <i>(fixed)</i> <sup>1</sup>			See dealer	<input type="checkbox"/>
106	SG03	Carbon fiber side guards <i>(removable)</i>			See dealer	<input type="checkbox"/>
107	SG06	Plastic fender side guards <i>(removable)</i> <sup>2</sup>			See dealer	<input type="checkbox"/>
108	SG04	Carbon fiber fender side guards <i>(removable)</i>			See dealer	<input type="checkbox"/>
109	SG99	Omit side guard				<input type="checkbox"/>
SIDE GUARDS OPTION						
110	SG07	Side guards clip <i>(pair)</i> <sup>3</sup>			See dealer	<input type="checkbox"/>

1. Not available with back upholstery    2 - Not compatible with 20" and 22" rear wheels

3- Not available with fixed carbon fiber side guar

- 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.

POSITIONING BELT						
111	SB02	Auto buckle <sup>1</sup>	Standard 35"	Long 60"		<input type="checkbox"/>
112	SB07	Hardware attachment for 2 point seatbelt <i>(1 pair)</i> <sup>1</sup>				<input type="checkbox"/>
113	SB03	Additional hardware for 2 extra attachment points <i>(needed for the 4 point seat belt) (1 pair)</i>			See dealer	<input type="checkbox"/>
114	SB04	BodyPoint Hip Belt - 2 point not padded	Medium 56" <input type="checkbox"/>	Long 61" <input type="checkbox"/>	See dealer	<input type="checkbox"/>
115	SB05	BodyPoint Hip Belt - 2 point padded	Small 51" <input type="checkbox"/>	Medium 56" <input type="checkbox"/>	Long 61" <input type="checkbox"/>	See dealer <input type="checkbox"/>
116	SB06	BodyPoint Hip Belt - 4 point padded	Small 51" <input type="checkbox"/>	Medium 56" <input type="checkbox"/>	Long 61" <input type="checkbox"/>	See dealer <input type="checkbox"/>
117	SB08	BodyPoint EVOFLEX® Positioning Belt Rehab latch and Band Clamps	Medium 18" <input type="checkbox"/>	Long 24" <input type="checkbox"/>	See dealer	<input type="checkbox"/>

1 - Must be selected with 350 lb HD wheelchair



- 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

ACCESSORIES					
118	AC03	Anti tippers			<input type="checkbox"/>
119	AC27	Tip assist <sup>1</sup>		See dealer	<input type="checkbox"/>
120	AC04	Transit Tie Down ( <i>Unoccupied</i> ) <sup>2</sup>			<input type="checkbox"/>
121	AC05	WC-19 Transit Tie Down w/Q'straint belt for 265 lb wheelchair <sup>3</sup>	Short belt 20-41"	Long belt 20-46"	<input type="checkbox"/>
122	AC08	Spoke guards <sup>4</sup>	Available: 20", 22", 24", 26"		See dealer <input type="checkbox"/>
123	AC09	Footrest neoprene impact guard ( <i>pair</i> ) - Black		See dealer	<input type="checkbox"/>
124	AC26	BodyPoint Mobility Bag		See dealer	<input type="checkbox"/>
125	AC23	Newton Backpack		See dealer	<input type="checkbox"/>

1. Cannot be combined with Anti Tippers    2 - Must be selected with 350 lb HD wheelchair

3 - May interfere with swing away armrest Clamp on height adjustable push handle ; Not available with HD option ; must be selected with 265 lb wheelchair

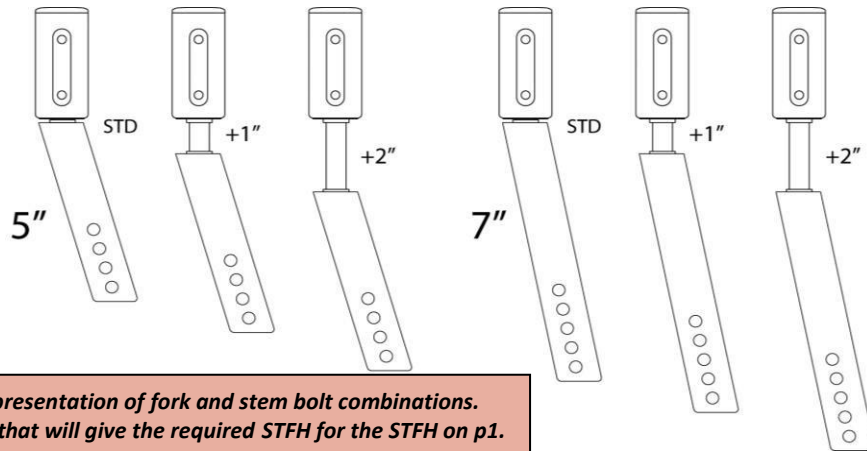
4 - Not available with Mag wheels

- WC-19 transit tie-downs are required when the client will occupy the chair when in the vehicle.
- WC-19 transit tie-downs are available on Helio A6 and Move chairs but not on many of the other more basic wheelchairs.
- Spoke guards are helpful to protect fingers if this is a concern, or to protect client's clothing from splashes or spoke interference.
- Footrest impact guards may be indicated to help prevent footrest damage and provide some protection to skin if it contacts the hanger.

#### FRAME COLOR (with black hydroformed aluminum crossbrace)

126	FC01	Black			<input type="checkbox"/>
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#### 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.

*Additional Notes:*