

2018 Cushion & Backrest Comparo

HOW TO READ THIS DOUBLE COMPARO



Mobility Management invited manufacturers and distributors of aftermarket wheelchair seat cushions and backrests to submit information about their products. Manufacturers self-reported the data in these listed categories.

"N/A" indicates no information was available, or the category did not apply to a particular product. Manufacturers reported HCPCS code(s) that were applicable at the time we went to press.

Cushion width, depth and height measurements are listed in inches. **Weight capacities and cushion weights** are listed in pounds. **Construction of cushion covers** refers to the standard cover(s) available unless otherwise noted.

Weights of wheelchair backs and the backs' weight capacities are given in pounds. Back **heights and widths** are given in inches. In some cases, the heights or widths are followed by another measurement, which refers to the size of the back for which the height or width is given.

The first height measurement refers to the height of the back at its highest point. The second height measurement shows the **range of heights** available. The first **width measurement** refers to the width of the back at its widest point. The second width measurement shows the range of widths available.

Back angle/recline measurements are stated in degrees. **Construction** refers to materials used in the wheelchair back, including shell and cushion. **Cover construction** refers to materials in the back's cover, as well as the cover's properties.

Accessories refers to positioning accessories the back can accommodate. Accessories may be included with the back or available at a separate cost. **Hardware** refers to the type of hardware that attaches the back to the chair. **Adjustability** refers to height, width, depth and angle adjustments or changes that can be accommodated by the back and hardware.

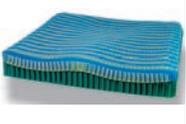
Intended applications refers to the end user who could benefit from these cushions and backs. Other applications beyond those listed may be possible.

This Comparo is a starting point for providers and clinicians. Submissions were edited for style and available space. For more complete information, consult the manufacturers directly using the Resources guide. **m**

Cushions

	HPCPS	Widths	Depths	Heights	Weight Capacity	Standard Accessories	Options	Cushion Weight	Cushion Construction	Cover Construction	Intended Applications
Amyjior Inc. 	E2622, E2623, E2624 & E2625 coming soon	10-30"	10-26"	2", 3" or 4" cell height	600 lbs.	Standard cover and pump are no charge	Optional 3D Mesh covers, incontinence covers, repair kits	Approximately 3.6 lbs., depending on cushion size	Medical-grade PVC	Two-way-stretch Lycra on top and mesh on the sides	Suitable for any manual or power wheelchair user
Aquila Corp. 	E2609	Varies	Varies	4.5"	N/A	Cushion cover, tube sleeve, controller cover, battery charger	Wireless remote control, moisture control fan, incontinence cover	5 lbs.	Exterior = waterproof foam; interior = alternating air bladders	Stretch, breathable anti-microbial	For clients who want pressure relief without having to do pressure lifts, tilting or leaning, or who have an injury they want to heal
Invacare Corp. 	E2624	14-20"	12-22"	3.35"	300 lbs.	N/A	Optional Spacetex 4000U cover for extra breathability, or Infection Control cover made with wipeable Reverse Startex	4 lbs. and up	Inner Platilon liner for extra moisture protection; Fluid Sac dual-layer compartments to protect bony prominences; foam base contoured to optimize pelvic support	Moisture-resistant, high-stretch, breathable Startex. Hook-and-loop fastener strips, lifting strap, zippered side pocket with easy-pull zipper tab	Designed with highest level of skin protection, positioning and adjustability for all users, including those at high risk of skin breakdown
Ki Mobility 	E2605, E2606	14-22"	14-20"	2.25" (leg trough height); 3.5" (overall)	350 lbs.	N/A	Extra outer cover	2.3 lbs.	Pre-contoured shape, surface tension-reducing well, high-quality foam and cover materials	4-way stretch, water-resistant pleated top layer; water-resistant zipper and zipper pull; front handle with utility loops for hanging accessories	Consult with clinician to determine optimal cushion choice
Ki Mobility 	E2607, E2608	14-22"	14-20"	3.25" (leg trough height); 4.5" (overall)	350 lbs.	N/A	Extra visco outer cover, extra visco inner cover	3.6 lbs.	Hydrolite fluid bladder on top of waterproof inner cover to reduce surface tension and maximize envelopment of ischia and coccyx; dual-density polyurethane foam base with comfort layer on top	Super 4-way stretch Lycra outer cover to reduce surface tension. Outer cover has spacer fabric layer to provide microclimatic airflow; pleated 4-way stretch water-resistant inner cover	Consult with clinician to determine optimal cushion choice
Ki Mobility 	E2607, E2608	14-22"	14-20"	3.25" (leg trough height); 4.5" (overall)	350 lbs.	N/A	Extra visco outer cover, extra visco inner cover	3.5 lbs.	Viscoelastic foam insert with hexagonal shapes increase envelopment and reduce compression around ischia and coccyx; dual-density polyurethane foam base with comfort layer on top	Super 4-way stretch Lycra outer cover. Outer cover has microclimatic spacer fabric with horseshoe design around well; pleated 4-way stretch water-resistant inner cover	Consult with clinician to determine optimal cushion choice

Cushions

	HPCPS	Widths	Depths	Heights	Weight Capacity	Standard Accessories	Options	Cushion Weight	Cushion Construction	Cover Construction	Intended Applications	
Permobil	ROHO Quadro Select 	E2624, E2625	12-24"	12-24"	2" (low profile), 3" (mid profile), 4" (high profile)	No weight limit if cushion is properly sized to client	Cover, repair kit, operation manual, pump	Heavy-duty cover	2.5 lbs. (low profile), 3 lbs. (mid profile), 3.8 lbs. (high profile)	Flame-resistant, black Neoprene made without latex	Stretch polyester/ Spandex	Users who need high-level skin protection, have asymmetrical postures, require progressive positioning or significant postural support, or have a diagnosis that will change over time
	ROHO Sensor Ready 	E2622, E2623	10-25" (high profile); 12-20" (mid profile)	10-20" (high profile); 12-20" (mid profile)	4.25" (high profile); 3.25" (mid profile)	No weight limit if cushion is properly sized to client	Smart Check device, cover, hand inflation pump, repair kit, operation manual, product registration card	Heavy-duty cover	Varies by size; approximately 3.5 lbs. (high profile) and approximately 3 lbs. (mid profile)	Flame-resistant, black Neoprene made without latex	Two-way stretch top with non-skid bottom	Users wanting real-time feedback to ensure proper inflation range with the push of a button. Ideal for users who want to take the guess work out of how much air should be in a ROHO cushion
Star Cushion	Stabil-Air 	E2622, E2624, E2609	Unlimited	Unlimited	2", 3", 4", 5"	N/A	Cover, repair kit, dual-action hand pump	Incontinence cover	4-7 lbs.	Latex-free Neoprene air-cell cushion	Lycra	For clients who need skin protection and immediate stability in an air-cell cushion
	TruComfort 2 	E2607, E2608	16-22"	14-24"	4.5"	450 lbs.	Coolcore cover; deep-contoured, high-density molded foam base	4-way Stretch Poly liner	4 lbs.	High-density molded foam	Coolcore material	For clients who need pelvic support and positioning and skin protection
Sunrise Medical	JAY Union 	E2607, E2608	14-24"	14-24"	4.5" (standard profile), 3.5" (reduced profile)	300 lbs. (14-21" widths); 500 lbs. (22-24" widths)	N/A	No-charge customizations available through JAY Your Way modification program (e.g., color side bands, incontinence cover, etc.)	5.25 lbs. (16x18")	Pre-contoured, high-resiliency foam with additional lateral pelvic support and soft Visco memory foam top layer over the JAY fluid bladder	Outer cover: Lycra 4-way stretch, high. Inner cover: Water-resistant reverse Dartex cover with Aquaguard zipper and anti-wicking thread	For clients at moderate to high risk of skin breakdown; may have moderate positioning needs; may be in a wheelchair for extended periods of time
	Stimulite Slimline XS 	E2607	13-20" (flat bottom); 14-20" (sling bottom)	16-20" (flat bottom and sling bottom)	2.75"	225 lbs.	Comes with a breathable cover and laundry bag for machine washing; both the honeycomb cushion and its cover are machine washable	Stimulite sheepskin cover, outdoor cover, lumbar support, positioning wedges	3 lbs.	Flexible, fusion-bonded Stimulite honeycomb, which is antimicrobial, allergen free, and completely recyclable	Natural, breathable fabrics work with honeycomb to wick away moisture and minimize sweat	For clients at low risk for skin breakdown who require minimal positioning

Backrests

	HCPCS Codes	Back Weight/ Weight Capacity	Back Height/ Heights Offered	Back Widths/ Widths Offered	Back Angle/Recline	Contouring	Back Construction	Cover Construction	Accessories	Hardware	Adjustable?	Intended Applications	
Alex Orthopaedic	50241 Lumbar 	E2611	.6 lb./300 lbs.	16"/16"	18" back measures 18"/18"	N/A	Depth of contour is 2.5"	Polyurethane foam	Covered in nylon water-resistant fabric; woven strap to hold in place	N/A	N/A	N/A	Reducing fatigue and stress, enhance lower-back comfort
Aquila Corp.	Full Back Pad 	N/A	2 lbs./none	Varies/varies	Varies/varies	N/A	Contoured both up and down from lumbar area; larger air bladders at lumbar area	Foam exterior and inflated internal bladders	Stretchable, breathable and antimicrobial	Air bladder adjustable with larger bladders at lumbar standard	Quick-release fittings at single point	Yes, hand inflated adjustability	Wheelchair users desiring adjustable back and lumbar support with adjustable comfort
Invacare Corp.	Matrx Elite TR 	E2620	3.5 lbs. and up/ 300 lbs. (Bariatric Elite TR back has 500-lb. weight capacity)	N/A 16", 18", 20"	N/A 15-20"	+/-20°	3" contour depth	Aluminum shell includes contoured support in shoulder area, slotted for lateral support hardware attachment	SuperSoft HR foam layered over firm HR foam for comfort and protection	N/A	Easy Set hardware installs in minutes; fits 3/4", 7/8", 1" diameter back canes	N/A	Manual or power tilt only or tilt/recline applications
Permobil	ROHO Agility Max Contour 	E2615 (air insert + lumbar pad insert), E2620 (air insert), E2617 (custom ROHO air insert)	4.25-6.5 lbs./ 300 lbs.	10", 13", 16", 18", 20"/10", 13", 16", 18", 20"	14", 15", 16", 17", 18", 19", 20"/14-20" in 1" increments	15° maximum recline and forward; 30° total angle adjustment in 5° increments	7" maximum sagittal plane contour depth and 1.5" maximum in coronal plane via adjustable lumbar pad	5052 aluminum shell, Zytel & aluminum hardware, stainless steel cane clamp & bolts, HR polyurethane foam, polyurethane air pad, polyethylene crosslink foam backing substrate	Polyester, polyester with urethane film back coating	Optional BodILink PT head support, BodILink lateral trunk supports, custom ROHO Neoprene air insert	Adjustable, non-removable hardware available on heights 10-16"; adjustable, removable hardware available in all sizes	Available for 3/4", 7/8", 1" and 1 1/4" cane diameters, 15° anterior/posterior recline, 1" anterior/posterior depth adjustability. Ask manufacturer for more details	Users who require significant postural support to maximize function and MRADLs; need minimal to maximum trunk support/control; need adjustability
Proactive Medical	Profekt Adjustable Tension 	E2611, E2612	2 lbs./500 lbs.	16"/16"	26"/16-26"	N/A	No	High-density, highly resilient foam	Breathable nylon cover with adjustable Velcro backstraps	Yes: consult manufacturer	N/A	Width adjustable	Users who are uncomfortable in their wheelchairs, require adjustable seated positions, or have kyphosis
Stealth Products	ADI CF Series 	N/A	2.7 lbs. (depending on width/height of back)/250 lbs.	16"/10", 13", 16"	15"/ 12", 13", 14", 15", 16", 17", 18"	10°	Active and Deep contours available (2.5" contour for active contour and 4" contour for deep contour)	Carbon fiber shell with a two-stage foam cushion	Airmesh cover is standard, with an optional Coolcare cover upgrade	Lumbar support, privacy flap and laterals for active contour backs	Fixed Elite, Quick Release, 2-Point PRO and 4-Point PRO	Angle, width and depth adjustment	Active wheelchair users desiring solid back support without adding additional weight to their mobility frame/base

Backrests

		HPCS Codes	Back Weight/ Weight Capacity	Back Height/ Heights Offered	Back Widths/ Widths Offered	Back Angle/Recline	Contouring	Back Construction	Cover Construction	Accessories	Hardware	Adjustable?	Intended Applications
Sunrise Medical	JAY J3 PA	E2613, E2614	1.4 lbs. and up (without hardware)/300 lbs. (12-20" width) and 500 lbs. (22-26" width)	9-26", depending on back selected/6.5", 8", 9.5" (lower thoracic); 12", 13.5", 15" (mid thoracic); 16.5", 18", 19.5" (upper thoracic); 21", 22.5", 24" (shoulder height)	18" back is 18" at widest point/ 12-26" width range offered	+/- 20°	Lateral contour support 2.2"	Aluminum contour shell, 1.5" soft foam insert (with .25" Oletex foam base), lumbar foam supports	Lyra stretch outer layer and microclimatic with 3DX Spacer fabric	Spine Align Inserts, lateral thoracic supports, chest straps/harnesses, Whitmyer head supports, military patches, spinal fluid pad	SH: 2-point, quick release	Hardware angle adjustability +/- 20°; hardware width adjustability +2", 2.25" depth	Minimal contouring offers appropriate trunk support for a wide range of end users
	JAY J3 PD												

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Resources

Alex Orthopedic Inc.
 (800) 544-2539
www.alexorthopedic.com

Amylior Inc.
 (888) 453-0311
www.amylior.com

Aquila Corp.
 (866) 782-9658
www.aquilacorp.com

Drive DeVilbiss Healthcare
 (800) 371-2266
drivemedical.com

Invacare Corp.
 (800) 333-6900
invacare.com

Ki Mobility
 (800) 981-1540
kimobility.com

Permobil Seating and Positioning
 (800) 851-3449
permobilus.com

Proactive Medical Products
 (855) 237-7622
www.proactivemedical.com

Star Cushion
 (619) 539-7070
www.starcushion.com

Stealth Products
 (800) 965-9229
www.stealthproducts.com

Sunrise Medical
 (800) 333-4000
www.sunrisemedical.com

Supracor Inc.
 (800) 787-7226
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