

Hardware Guide

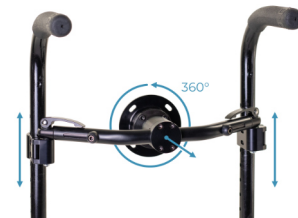
ULTRA LIGHTWEIGHT MOUNTING HARDWARE

- The Matrix Ultra lightweight hardware is the lightest hardware Matrix Seating USA offers. While extremely lightweight and low profile, it has limited adjustability to and from the client and limited rotation on the X and Y axes. Height adjustment is achieved through adjusting the clamp receivers on the canes. It is typically used for mounting to self-propelled manual wheelchairs.
- The Matrix Ultra lightweight hardware is also the best alternative for mounting to wheelchairs with solid backs. Paired with the VTMH-S Straight horizontal mounting shaft and R360-SM surface mount receivers, the hardware is mounted between the canes and bolted to the solid back via (8) bolts, (4) in each surface mount receiver.



RADIAN 360

- Matrix Radian 360 offers the greatest level of adjustability and strength. As the name suggests, the Radian 360's ball and socket configuration enables an infinite level of adjustability. It is typically used for mounting to tilt in space wheelchairs and power wheelchairs with available canes.



FIXED PIVOT HARDWARE

- Fixed pivot hardware is available for mounting non-traditional seating components. Examples include: seating systems that have the back and seat combined, supine positioning systems mounted to a tilt in space wheelchair, or creative mounting solutions for backs with extreme curvature. Fixed pivot hardware requires the ABS-X outer shell upgrade.



Recommendations by wheelchair type

MANUAL WHEELCHAIRS

- AIREZ Back
 - Lightest weight option with full airflow benefits.
- Ultra Lightweight Hardware
 - Lightest mounting solution with appropriate adjustability for most use cases.
- AIREZ Cushion
 - Lightest weight option with superior airflow benefits and increased user comfort.
- Spacer Fabric Covers
 - Enables the greatest airflow benefits AIREZ has to offer.

POWER WHEELCHAIRS (PWC)

- *Options based on wheelchair mounting type:*
 - PWC w/ canes; Radian 360
 - No seat depth adjustment required.
 - PWC w/ solid back 10" or greater; Ultra Lightweight Hardware with small straight bar (VTMH-S) combined with surface mount receivers (R360-SM)
 - Minimal seat depth adjustment required, 2.5" to accommodate hardware.
 - PWC w/ solid back requiring greater mounting adjustability, Radian 360 with surface mount receivers (R360-SM)
 - Increases required seat depth 4" to accommodate hardware.
- *Cover selection depending on cushion type:*
 - AIREZ; Spacer Fabric Cover
 - Enables the greatest airflow benefits AIREZ has to offer.
 - Auxafoam Seat; Dartex/Spacer Fabric with fluid proof liner
 - Fluid proof liner protects foam cushion from moisture.

TILT IN SPACE WHEELCHAIRS

- AIREZ Back + ABS-X Outer Shell
 - ABS-X improves rigidity and enables greater levels of shape adjustability to the inner shell while also providing easier mounting points for chest strap guides and other accessories.
- Radian 360 Hardware
 - Greater adjustability options for wheelchair mounting.
- *Does the client possess sensitive skin?*
 - Yes; Dartex Style cover (smooth)
 - Especially useful for clients who are diaper-only with leg exposure to seating surface.
 - No; Spacer Fabric cover
 - Helps to maintain patient positioning and AIREZ's airflow benefits.

