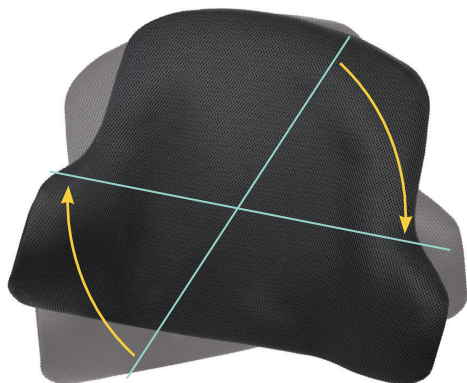


BACK SUPPORT HARDWARE OPTIONS ●●●●●

A quick, at-a-glance guide to the range of adjustments offered by the Matrix Hardware Systems.

*Please note: Not all adjustment capabilities are available on every hardware option. Adjustments and their ranges listed are subject to limitations created by the dimensions and equipment of the wheelchair system.

RADIAL ROTATION ●



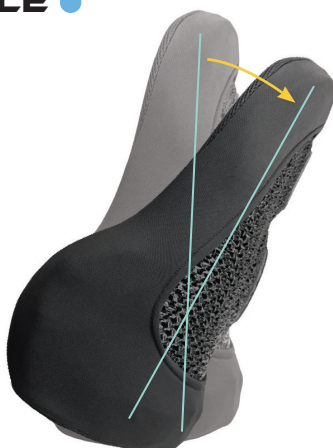
Adjustment for fine-tuned positioning to support lateral leans, scoliosis, etc.

HORIZONTAL ROTATION ●



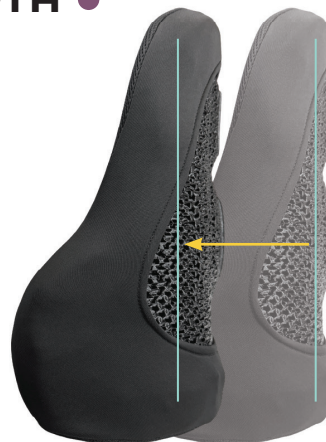
Adjustment for fine-tuned positioning to support spinal rotation, spasticity, contractures, etc.

ANGLE ●



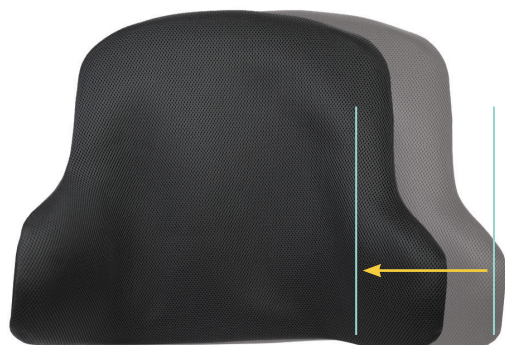
Adjustment for fine-tune positioning to support anterior or posterior tilt.

DEPTH ●



Adjustment in relation to the wheelchair canes/mounting surface to properly expand or reduce the seat depth to accommodate the client's positioning needs.

OFFSET ●



Adjustment for fine-tuning asymmetrical positioning needs. Mostly used in combination with other adjustments.

WIDTH ●



Hardware adjustment allowing custom back support widths to mount to various standard wheelchair widths.

CENTER-MOUNT HARDWARE

RADIAN 360

Radian 360 is a ball-and-socket design offering complete positioning flexibility. Perfect for users requiring maximum adjustability to achieve optimal posture and positioning.

Cane claws are used to clamp onto wheelchair canes and a quick release mechanism allows for removal of the back from the wheelchair when needed.

ADJUSTABILITY:

● Radial Rotation	360°
● Horizontal Rotation	Up to 64° ± 32° at full depth extension ± 5° at minimum depth extension
● Angle	Up to 64° ± 32° at full depth extension ± 5° at minimum depth extension Unlimited when rotating on crossbar
● Depth	1" (Rotating cane claws may allow more)
● Offset <i>Values are left or right from neutral</i>	3/16" to 2 7/16" at center of crossbar depending on the crossbar size 1 3/4" using crossbar wings May fine-tune by rotating canes claws
● Width	3" using crossbar wings May fine-tune by rotating canes claws
● Height	Adjust the position of the cane claws on the wheelchair canes
Notes	250 lbs weight capacity single hardware >250 lbs requires extra hardware



CENTER-MOUNT HARDWARE

ULTRA LIGHTWEIGHT

Lightweight, low-profile hardware with ample adjustability for most users, ideal for self-propelling manual wheelchairs.

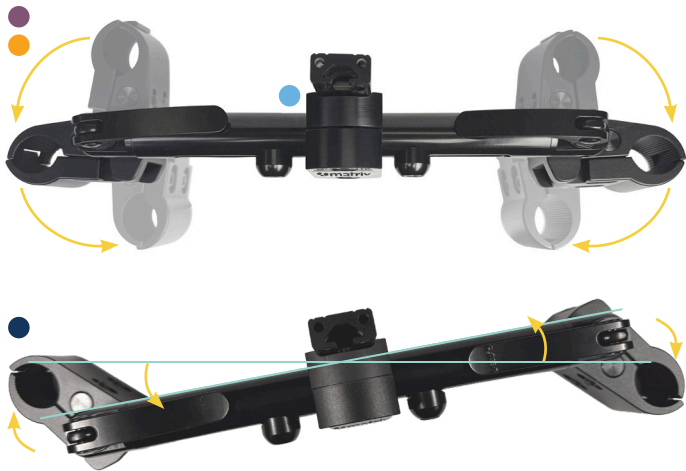
Cane claws are used to clamp onto wheelchair canes and a quick release mechanism allows for removal of the back from the wheelchair when needed.

ADJUSTABILITY:

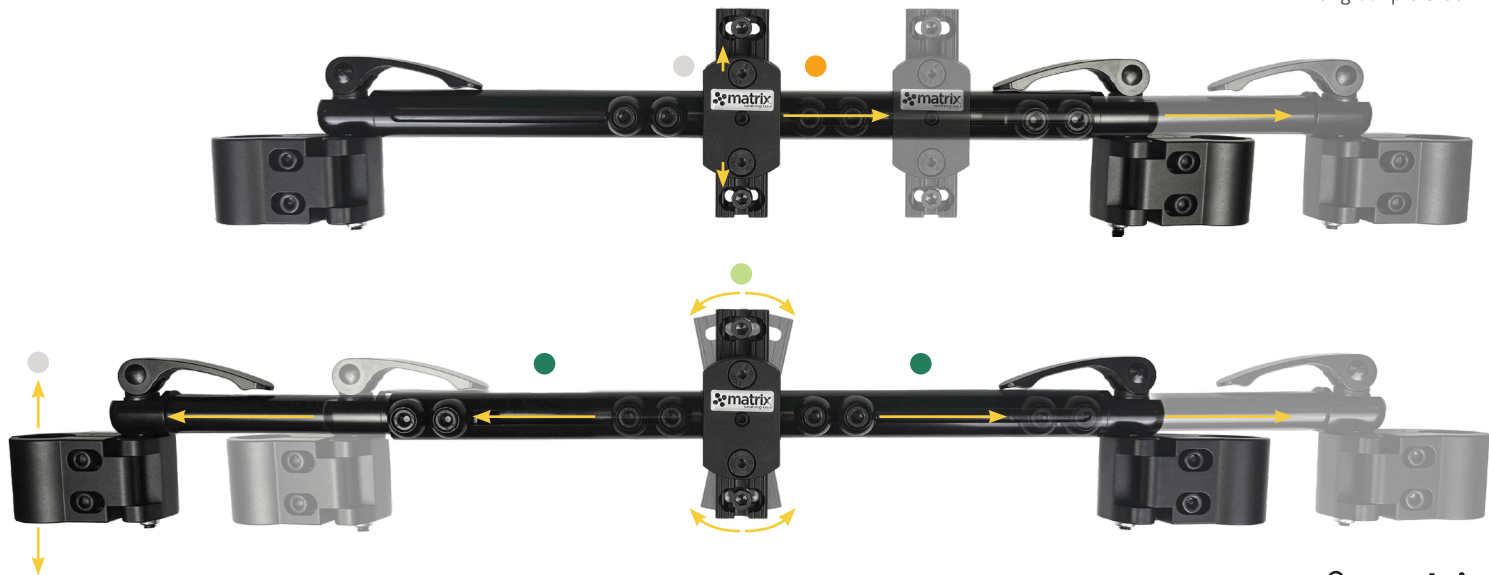
● Radial Rotation	Up to 15° (± 7.5° either direction)
● Horizontal Rotation	Up to 7.5° when able to rotate cane claws Option may be limited by the width of the wheelchair and crossbar size used
● Angle	Unlimited. Hardware rotates on crossbar
● Depth	No built-in depth adjustment Up to 3.3" may be achieved by rotating cane claws if wheelchair width allows
● Offset <i>Values are left or right from neutral</i>	1/4" when crossbar width is at minimum Short bar: up to 2 1/16" when crossbar fully extended 1 3/4" using crossbar wings Long bar: up to 4 3/16" when crossbar is fully extended 4" using crossbar wings Rotating cane claws may achieve up to 1 3/8" additional offset
● Width	Short bar: 3.5" Long bar: 8"
● Height	Up to 5/8" (± 5/16") using T-track. Further adjustment available using the cane claws on the wheelchair canes



Short bar pictured



Long bar pictured



SIDE-MOUNT HARDWARE

STANDARD 90° FIXED

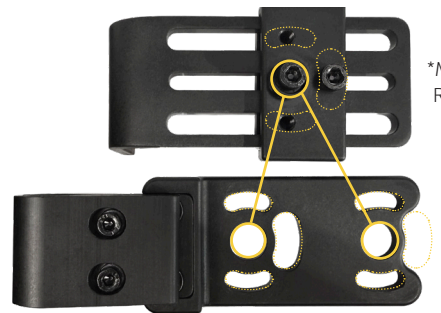
Provides maximum seat-depth, width, height, and angle adjustment. The fixed two-point design provides a rigid, stable connection while keeping the rear of the back support accessible. Isolated depth and angle adjustments allow independent fine-tuning without unintentionally shifting the other.

Mounts to wheelchair canes using cane clamps. Fits 3/4"-1" diameter canes.

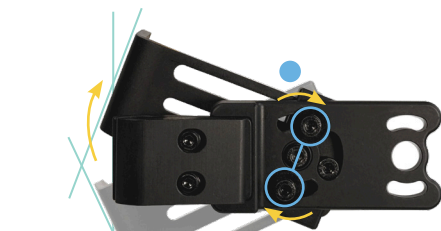
ADJUSTABILITY:

● Radial Rotation	± 20° "L" brackets & "T" tracks on back support
● Angle	Up tp 45°. ± 22.5° anteriorly/posteriorly
● Depth	Up to 4.5". 2 1/4" in each clamp bracket configuration*
● Width	± 2" per side
● Height	Using "T" tracks on back support and/or clamps on wheelchair canes
● Offset	± 1" left <u>or</u> right from neutral

Notes 300 lbs weight capacity single hardware
>300 lbs requires extra hardware



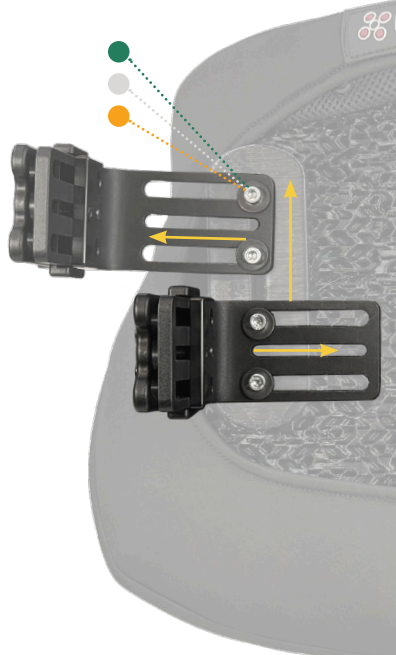
*Multiple clamp bracket configurations
Remove angle adjustment bolts to switch



Same angle adjustment
range in different clamp
bracket configurations



Depth adjustments in different
clamp bracket configurations



Height adjustment also available using
clamp position on wheelchair canes

SIDE-MOUNT HARDWARE

45° QUICK-RELEASE

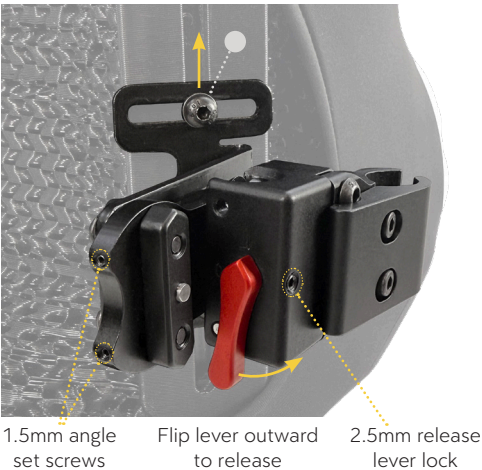
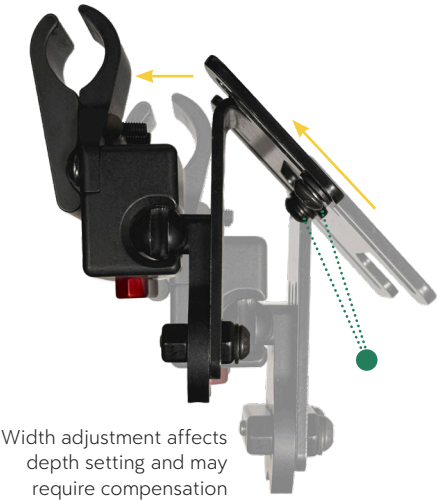
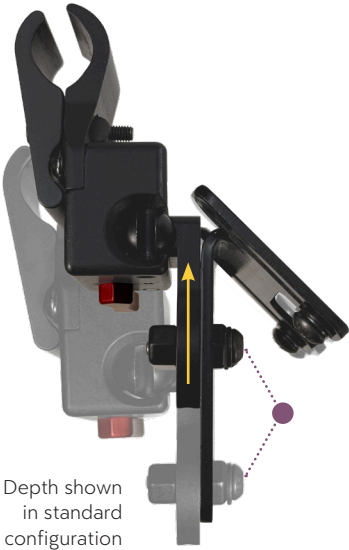
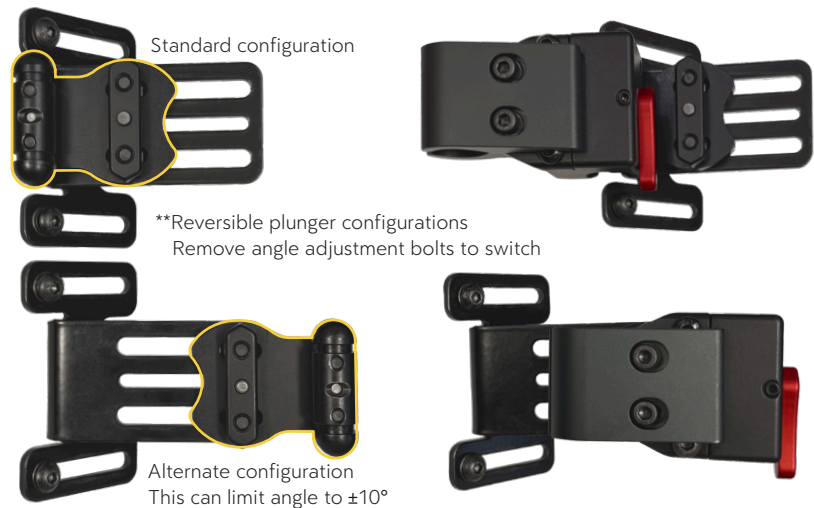
45° quick-release hardware is designed to be lightweight, compact, and allow the back to be removed quickly and then returned to an established setup. The two-point design keeps the rear of the back support accessible.

Quick-release levers can be locked with a 2.5mm set screw for a fixed setup. Mounts to wheelchair canes using cane clamps. Fits 3/4"-1" diameter canes.

ADJUSTABILITY:

● Angle	Up to 40°. ± 20° anterior/posterior
● Depth	2". Reversed plunger** extends range to 4"
● Width	Up to 3" does affect depth
● Height	Using "T" tracks on back support and/or clamps on wheelchair canes

Notes 250 lbs weight capacity only.
1.5mm set screws can be set to limit angle adjustment as a secondary safety measure.

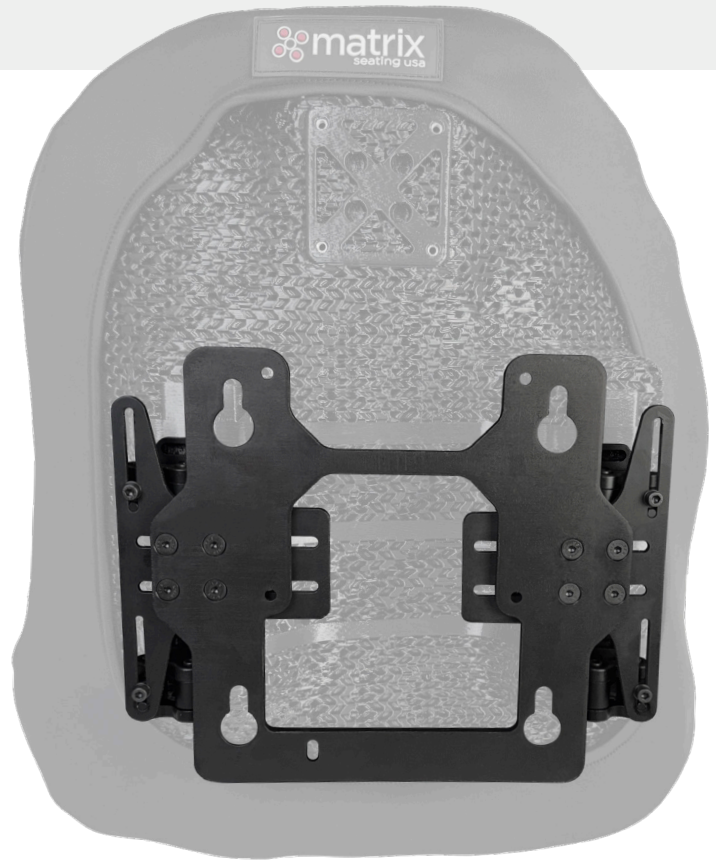
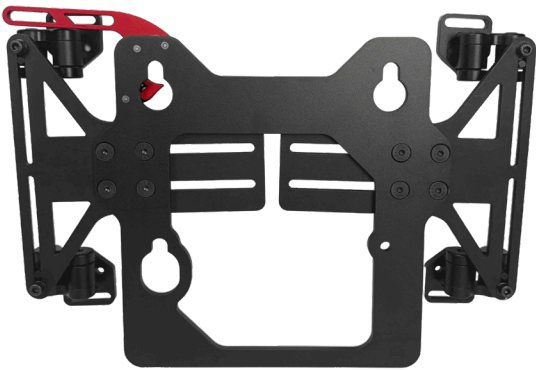


POWER WHEELCHAIR SURFACE-MOUNT HARDWARE

POWER MOUNT HARDWARE

The Power Mount Hardware Bracket securely mounts an AIREZ Back Support to a wide range of power wheelchair bases, maintaining its lightweight, breathable design. It ensures a strong, stable connection while preserving airflow, adjustability, and compatibility across multiple hardware configurations.

It is important to indicate the correct brand of power wheelchair base upon order so that the correct bracket will be chosen for the back support before shipping.



Not compatible with Invacare/Motion Concepts Power Recline Actuators