

Allen McKinley is truly an example of hard work paying off. He is currently employed full time as a Sales Manager, and also works with various companies in wheelchair industry as a Relationship Manager. When Allen isn't working hard in his day jobs, he is spreading smiles at local comedy clubs. He has performed "stand up" for the last three years, pursuing the adrenaline rush that he once enjoyed as a semi-professional snowboarder. Never settling, he has taken his hobby of stand up to 20+ states and performs weekly at the world famous Comedy Store. Understanding that giving time is the greatest gift of all, Allen (with best friend Murphy – also pictured) spend one night every week at Rady's Children's hospital in San Diego running a playroom for patients. He recently received "the Golden Pin" award for his 5+ years of volunteering.

Once Allen understood how much easier great equipment could make his new life in a wheelchair, there was no turning back. Using, the Invacare Top End Crossfire™ T7A Ultra-lightweight Wheelchair with Spinergy FlexRim wheels, Invacare Matrix PS Cushion, and of course the new Invacare Matrix MX1 Back, he has the freedom to pursue all kinds of professional avenues to better himself and his life. Sitting in a chair for 12 plus hours a day, he knows that to be successful he must invest in the best equipment available.



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Seating Series Products visit  
[www.invacare.com/Matrix](http://www.invacare.com/Matrix)



Yes, you can.®

INVACARE®

# Matrix® MX1

Back



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## Back

The latest in back support technology combines aesthetic appeal with superior support and function. The full range of patent pending hardware options ensures optimal adjustment for the widest range of applications, while the lightweight carbon fiber shell provides exceptional support and durability. Designed for active users who demand peak performance and great looks!

### Invacare® Matrix® MX1 Back

Model no. MX1

#### Features and Functional Benefits

##### Carbon Fiber Back Shell:

- Exceptional durability and aesthetic appeal
- Very light weight
- Contoured to provide stability to hips/trunk without restricting upper body mobility

##### Cover:

- Breathable, attractive Spacer Mesh fabric
- Cover and foam overlaps back shell for privacy protection and comfort
- Optional privacy flap available

##### Sacral/lumbar support:

- Includes sacral support that is easily adjustable to meet individual needs



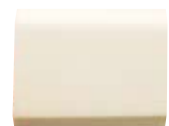
#### PRIVACY FLAP



#### 3" CONTOUR DEPTH



#### SACRAL/ LUMBAR SUPPORT



#### Sizes

Width	14"	15"	16"	17"	18"
Height					
9"	•	•	•	•	•
12"	•	•	•	•	•
16"	•	•	•	•	•
Weight Capacity 250 lb.					

## MONO MOUNT



## DUAL MOUNT



## QUICK RELEASE DUAL MOUNT



### Mounting Hardware Options: (Patent pending)

#### Mono Mount

- Attaches to wheelchair rigidizer bar providing complete clearance from back canes
- Fully angle adjustable, remains securely fastened in desired position
- Track included provides height adjustment
- Fits rigidizer bars  $\frac{3}{4}$ "(19mm) – optional "(22mm) and 1"(25mm) diameter band clamps available
- Allows interface of variety of back model widths

#### Dual Mount

- Attaches to wheelchair back canes – requires tools for removal
- Fits back canes 1"(25mm) in diameter – optional  $\frac{3}{4}$ "(19mm) and  $\frac{7}{8}$ "(22mm) diameter band clamps available
- Attractive, low profile hardware –no sharp edges
- Depth (2"), Angle (30°), Rotation adjustable for optimal positioning
- Width adjustable (2") to fit wheelchairs wider or narrower than back model width, providing optimal fit and support to user \*

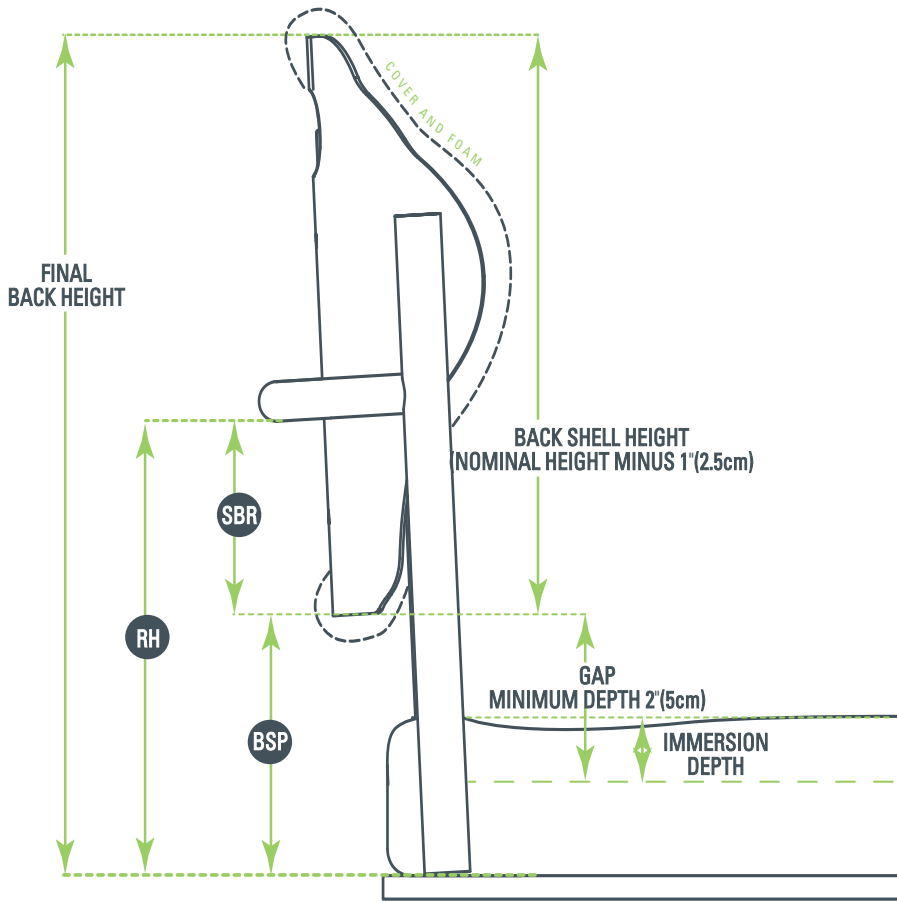
#### Quick Release Dual Mount

- Back cane mount hardware with quick release tabs for easy removal from wheelchair
- Includes band clamps to fit  $\frac{3}{4}$ "(19mm), "(22mm) or 1"(25mm) diameter back canes
- Attractive, low profile hardware - no sharp edges
- Depth (2"), Angle (30°), Rotation adjustable for optimal positioning
- Width adjustable (2") to fit wheelchairs wider or narrower than back model width, providing optimal fit and support to user \*

\*Note – limitation of depth/angle adjustment if used on chairs narrower than model width

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# Matrix® MX1 Back Mono Mount Hardware Installation



Will the Invacare® Matrix® MX1 Mono Mount Hardware install onto my wheelchair?

**Step 1:**

Measure **Rigidizer Bar Height (RH)** from the top of the seat rail to the underside of the rigidizer bar.

**Step 2:**

Determine your **Back Start Point (BSP)**. This is the distance from top of seat rail to the lower edge of the back shell – make allowance for the seat cushion thickness **MINUS** immersion depth **PLUS** a minimum recommended gap of 2”(5cm).

**Step 3:**

Determine the **Support Below Rigidizer (SBR)** by subtracting the **BSP** from the **RH**.

**Step 4:**

Select the desired back size/height from the chart below (i.e.; Nominal Back Height).

**Step 5:**

Verify that the **calculated SBR** from **Step 3** falls within the **SBR range** for the selected back size (nominal height).

**Step 6:**

If the value does not fall within the range indicated, the height of the rigidizer bar must be adjusted, or the MX1 Dual Mount hardware option may be necessary.

Nominal Back Height	SBR Range
9”(23cm)	1.1”(2.8cm) - 4.5”(11.4cm)
12”(31cm)	1.2”(3cm) - 7.2”(18.3cm)
16”(41cm)	2.7”(6.8cm) - 8.8”(22.3cm)

**NOTE:** Mono Mount Hardware fits rigidizer bars 3/4”(19mm), 7/8”(22mm) and 1”(25mm) diameter

**EXAMPLE:**

**Step 1:**

Measure **Rigidizer Bar Height (RH)** from the top of the seat rail to the underside of the rigidizer bar **EQUALS** 6.25”(18.9cm)

**Step 2:**

BSP = 3”/7.5cm Cushion Height **MINUS** 1”(2.5cm)  
Immersion Depth **PLUS** 2”(5cm) Gap Height  
**EQUALS** 4”(10cm)

**Step 3:**

SBR = 6.25”(18.9cm) **MINUS** 4”(10cm) **EQUALS** 2.25”(5.7cm)

**Compatibility:**

- 9”(23cm) Invacare® Matrix® MX1 back
- 12”(31cm) Invacare® Matrix® MX1 back
- 16”(41cm) Invacare® Matrix® MX1 back

