Transportation:
This device is not intended to take the place of or considered to be a substitute for other supports required for transportation.

Limitations on use:
The product is compatible with a wide range of wheelchair systems. AEL will be glad to advise on appropriate usage.

This product is manufactured to comply with the ‘Medical Device Directive’

No specific maintenance is required. However, all fasteners should be routinely checked for specified tension and basic cleaning will maintain good hygiene.

We reserve the right to continue to provide state-of-the-art products. Therefore, specifications may be changed without prior notice. Adaptive Engineering Lab, Inc shall not be responsible or liable for misapplication or misuse of our products. We recommend experienced professionals be consulted in selecting and applying our products.

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Form AR-026 Rev. 5
**1.4 SWING-AWAY FUNCTION**

**Omnilink® Swing-Away Lateral**

See Figure 1.11, to release and swing/rotate entire assembly out of the way; press rear release button (A). Rotate assembly rearward. Continue to rotate assembly until it securely locks into position as shown in Figure 1.11. To return Omniflink assembly to its original position, press primary swing away button and rotate assembly forward until it's securely locked into position. Whether Omniflink assembly is in its forward or rearward position, make sure locking key (B) is securely locked with the latch (C). See Figure 1.12, to release and swing/rotate lateral pad (E) out of the way; press front release button (D). Rotate lateral pad rearward. To return lateral pad (E) to its original position, simply rotate lateral pad forward until it securely locks.

![Figure 1.11](image1)

![Figure 1.12](image2)

**Tools Required:** 3/16” and 5/32” Allen Keys

*All ¼-20 SHCS screws to be tightened to 75 in-lbs. (8.4 N-m)

*All 10-32 SHCS screws to be tightened to 32 in-lbs. (3.6 N-m)
1.1 PRODUCT OVERVIEW

Omnilink® Swing-Away Lateral (Swivel Pad Mount)

Figure 1.1 illustrates the main components of a right side Omnilink DSA (Dual Swing-Away) Swivel Pad Mount Lateral Bracket coupled with a wheelchair tube clamp. Three different size chair clamps are currently available to secure the Omnilinx to a wheelchair with 3/4", 7/8" or 1" frame tubes. Mounting hardware is available to mount the Omnilinx Swing-Away Lateral to a chair equipped with a track system as well as directly to a seat or back.

***Note: The Omnilinx Swing-Away Lateral is offered specifically as a “right-” and “left-” side device, the installation technician can option to mount a right side device onto the left side of the wheelchair and a left side assembly on the right. See Figure 1.6 for an illustration displaying this mounting option. The installation technician must ensure the release button is positioned up parallel to the cane clamps. Throughout the rest of this instruction manual the illustrations will depict a right side device mounted on the right side of a wheelchair.

Parts List and Function

A. Lateral Pad: Provides a comfortable support for the end user’s trunk/hip. Pads are available in 80+ stock styles and with upgrade options for additional pressure relief.

B. Pad Bracket: Secures the pad in a fixed position; loosen to adjust pad position.

C. Wheelchair Cane Clamp: Mounts the device directly to the wheelchair’s canes. *Back Mount & Track Mount are also available.

D. Rear Release Button: Pushing button allows caregiver to swing entire device out of the way during client transfers and locks device in position during use.

E. Front Release Button: Pushing button allows user/caregiver to swing pad out of the way and locks pad in position during use.

F. Telescoping Adjustment Screw: Loosening adjustment screw allows user to adjust lateral pad forward or backward. Tightening the screw locks telescoping element into desired position.

1.3 ADJUSTMENT INSTRUCTIONS

Omnilink® Swing-Away Lateral

The Omnilinx Swing-Away Lateral Bracket can be easily adjusted to achieve desired pad placement. Figure 1.8 shows how to adjust the lateral pad forward and backward (Distal & Proximal). Figure 1.9 shows how the pad can be adjusted in and out forward and back (medial/lateral). Figure 1.9 shows how the pad angle can be adjusted. Remember to retighten all fasteners after adjustments are made.

**See Tools Required**

1. Loosen fasteners (G) to disengage serrated links, on the standard model there will be another fastener located just behind lateral pad.
2. Move pad inward or outward to achieve desired pad placement.
3. Retighten fasteners (G) to specified torque.

Figure 1.8 – Distal & Proximal Pad Adjustment

Figure 1.9 – Medial & Proximal Pad Adjustment (Swivel Pad Mount)

1. Loosen fasteners (F & E) to disengage serrated links, on the standard model there will be another fastener located just behind lateral pad.
2. Move pad inward or outward to achieve desired pad placement.
3. Retighten fasteners (E & F) to specified torque.

**See Tools Required**

Figure 1.10 – Angle Adjustment (Swivel Pad Mount)

1. Loosen fasteners (G) to disengage serrated links, on the standard model there will be another fastener located just behind lateral pad.
2. Rotate pad to achieve desired pad placement.
3. Retighten all fasteners (G) to specified torque.

**See Tools Required**
Section 1.0 POSAlic® 360 Knee Adductor

1. Use remaining ¼-20 fasteners (F) to attach Omnilink assembly to Seat/Back Bracket (E). Insert ¼-20 fasteners into either set of counter bored holes and tighten to specified torque. Figure 1.5 depicts an Omnilink assembly correctly mounted to a Seat Bracket.

2. Track mounting hardware will come assembled. To mount, loosen and remove ¼-20 fasteners (M) from T-nuts (L). Insert ¼-20 fasteners into counter bored holes (holes furthest away from primary load) and tighten to specified torque. Figure 1.6 depicts an Omnilink assembly correctly mounted to a Track.

3. Insert ¼-20 fasteners into counter bored holes (holes furthest away from primary load) as assembled. To mount, loosen and remove ¼-20 fasteners (M) from T-nuts (L). Insert ¼-20 fasteners into counter bored holes and tighten to specified torque. Figure 1.7 depicts an Omnilink assembly correctly mounted to a Track.

4. Thread ¼-20 fasteners into T-nuts just enough to keep T-nuts from falling off during assembly to track.

5. Determine desired location of Omnilink assembly on track (K).

6. Slide Omnilink assembly with track mount hardware installed onto track. Assembly should move freely along the track without much resistance.

7. Place assembly in desired location and tighten fasteners to specified torque.

8. Mounting to Seat/Back Bracket

9. Mounting to Tack

10. Mounting to Track

11. DSA (Dual Swing-Away) Rigid Lateral Bracket coupled with a wheelchair tube clamp. Three different size chair clamps are currently available to secure the Omnilink to a wheelchair with 3/4", 7/8" or 1" frame tubes. Mounting hardware is available to mount the Omnilink Swing-Away Lateral to a chair equipped with track systems as well as directly to a seat or back.

- Lateral Pad: Provides a comfortable support for the end user’s truck/hip. Pads are available in 80+ stock styles and with upgrade options for additional pressure relief.
- Pad Bracket: Secures the pad in a fixed position; loosen screws provided to adjust pad position.
- Wheelchair Cane Clamp: Mounts the device directly to the wheelchair’s canes. *Back Mount & Track Mount are also available.
- Rear Release Button: Pushing button allows caregiver to swing entire device out of the way during client transfers and locks device in position during use.
- Front Release Button: Pushing button allows user/caregiver to swing pad out of the way and locks pad in position during use.
- Telescoping Adjustment Screw: Loosening adjustment screw allows user to adjust lateral pad forward or backward. Tightening the screw locks telescoping element into desired position.

Omnihink® Swing-Away Lateral (Rigid Pad Mount)

Figure 1.1 illustrates the main components of a right side Omnilink DSA (Dual Swing-Away) Rigid Lateral Bracket coupled with a wheelchair tube clamp. Three different size chair clamps are currently available to secure the Omnilink to a wheelchair with 3/4", 7/8" or 1" frame tubes. Mounting hardware is available to mount the Omnilink Swing-Away Lateral to a chair equipped with track systems as well as directly to a seat or back.
G. **Pivot Link Adjusting Screws:** Loosening adjustment screws allows user to adjust lateral pad into multiple positions. Tightening screws will lock desired position into place.

H. **Pad Bracket Adjustment Screws:** Loosening adjustment screws allows user to swivel lateral pad into multiple positions. Tightening screws will lock desired position into place.

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**1.2 MOUNTING INSTRUCTIONS**

**Omnilink® Swing-Away Lateral**

The Omnilink Swing-Away Lateral can mount directly to a wheelchair’s frame tube, seat/back and to a chair equipped with a track system along the seat. Cane clamps are to be positioned on a wheelchair’s canes: vertically or horizontally.

Figure 1.2 shows how to mount the clamp while Figure 1.3 shows the mounting procedure on a track system.

**Note:** If mounting a lateral to a Drop-In R-Back or Drop-In Seat, choose an Omnilink Bracket with Cane Mount or any QuickPlus Bracket. Omnilink Bracket with Seat/Back Mount is not compatible with Drop-In R-Backs or Drop-In Seats.

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**Figure 1.2 - Mounting to a Wheelchair’s Cane Tube**

1. Determine desired location of clamp assembly on the wheelchair’s cane (A). The clamp will come assembled; to mount, loosen and remove all ¼-20 fasteners (B) that attach both halves of the clamp (C) and (D).
2. When attaching clamps to wheelchair cane, make sure threaded holes face outward away from patient. Figure 1.2 depicts a right hand clamp mounted correctly.
3. After attaching clamp assembly, insert ¼-20 fasteners into counter bored holes and tighten to specified torque. *See Tools Required section.

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**Figure 1.3 - Mounting to the Cane Clamp**

1. After securing cane clamp assembly (G) to wheelchair cane (A), use remaining ¼-20 fasteners (F) to secure Omnilink assembly (E).
2. Insert ¼-20 fasteners (F) into either set of counter bored holes and tighten to specified torque. *See Tools Required section.

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**Figure 1.4 - Mounting to Seat or Back**

1. Determine desired location for Seat/Back Bracket (H) on wheelchair seat/back (I).
2. The Seat/Back Bracket will come with fasteners installed. Loosen and remove all fasteners (J).
3. After finding desired location, install Bracket fasteners (Qty of 2 (J)). Slotted face of Seat/Back Bracket should be flat against wheelchair seat/back as depicted in figure 1.4.
4. After attaching Seat/Back Bracket, tighten fasteners to specified torque. See Tools Required section.