PROCEDURE 1 - INSTALLING CLAMPS ON SEATING SYSTEMS WITH A GROWTH BRACKET

Twist Release Clamps For Back (FIGURE 1)

NOTE: Refer to INSTALLATION WARNING in the SAFETY SUMMARY before proceeding.

1. Make sure that the back mounting hooks are flush against the back canes.
2. Loosen socket screw that opens twist release clamp.
   NOTE: There is a right and left twist release clamp. Make sure when installing that the socket screw adjustment is on the outside of the wheelchair frame.
3. Install the open end of the twist release clamp below the back mounting hook so that the locking mechanism rests on top of the back mounting hook.
4. Loosely tighten the socket screw.
5. Repeat STEPS 1-4 for the other side.
6. Make sure both twist release clamps are flush against the back mounting hooks and that the locking mechanism rests on top of the back mounting hooks.
7. Torque socket screw to 75 - inch pounds.
8. Once twist release mounting clamps are secured, do one (1) of following:
   A. Refer to QUICK RELEASE CLAMPS FOR SEAT in PROCEDURE 1 of this instruction sheet.
   B. Refer to USING CLAMPS in this instruction sheet.

HARDWARE REFERENCE CHART

NOTE: This chart is a general guideline for recommended mounting hardware.

<table>
<thead>
<tr>
<th>WITH GROWTH BRACKET</th>
<th>WITHOUT GROWTH BRACKET</th>
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</thead>
<tbody>
<tr>
<td>BACK</td>
<td>Twist Release (SEE FIGURE 1)</td>
</tr>
<tr>
<td>SEAT</td>
<td>Quick Release (SEE FIGURE 2)</td>
</tr>
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PROCEDURE 2 - INSTALLING CLAMPS ON SEATING SYSTEMS WITHOUT A GROWTH BRACKET

Twist Release Clamps For Back (FIGURE 1)
NOTE: Refer to INSTALLATION WARNING in the SAFETY SUMMARY before proceeding.

1. Make sure that the back mounting hooks are flush against the back canes.
2. Loosen socket screw that opens twist release clamp.

NOTE: There is a right and left twist release clamp. Make sure when installing that the socket screw adjustment is on the outside of the wheelchair frame.
3. Install the open end of the twist release clamp below the back mounting hook so that the locking mechanism rests on top of the mounting hook.
4. Loosely tighten the socket screw.
5. Repeat STEPS 1-4 for the other side.
6. Make sure both twist release clamps are flush against the back mounting hooks and that the locking mechanism rests on top of the back mounting hooks.
7. Torque socket screw to 75 - inch pounds.
8. Once twist release mounting clamps are secured, do one (1) of following:
   A. Refer to TWIST RELEASE CLAMPS FOR BACK in PROCEDURE 1 of this instruction sheet.
   B. Refer to USING CLAMPS in this instruction sheet.

Fixed Release Clamps For Back (FIGURE 3)
NOTE: Refer to INSTALLATION WARNING in the SAFETY SUMMARY before proceeding.

NOTE: The fixed release rail/cane clamps are designed to fit either 1-inch rail tubing or, with insert provided, 7/8-inch rail tubing.

1. Remove the mounting screw, lock washer, and internal threaded mounting screw from the fixed release clamp (DETAIL “B”).
2. Place the fixed release clamp on the back cane.
3. If fixed release clamp is not tightly fitted around back cane tubing, install insert provided as shown in DETAIL “A”.
4. Install the fixed release clamp onto the back rail so that the fixed portion is flush against and rests on top of the mounting hook and is located between the seat rail and the bottom of the mounting hook.
5. Reinstall the sleeve, lock washer, and internal mounting screw into the quick release rail clamp and torque to 75 - inch pounds.
6. Repeat STEPS 1-5 for other side.
7. Once fixed release mounting clamps are secured, do one (1) of following:
   A. Refer to FIXED RELEASE CLAMPS FOR BACK in PROCEDURE 2 of this instruction sheet.
   B. Refer to USING CLAMPS in this instruction sheet.
5. Reinstall the mounting screw, lock washer, and internal mounting screw into the fixed release rail/cane clamp and torque to 75 - inch pounds.

6. Repeat STEPS 1 - 5 for other side.

7. Once fixed release mounting clamps are secured, do one (1) of following:
   A. Refer to QUICK RELEASE CLAMPS FOR SEAT in PROCEDURE 2 of this instruction sheet.
   B. Refer to USING CLAMPS in this instruction sheet.

### Quick Release Clamps For Seat (FIGURE 4)

**NOTE:** Refer to INSTALLATION WARNING in the SAFETY SUMMARY before proceeding.

**NOTE:** The quick release and fixed release clamps are designed to fit either 1-inch rail tubing or, with insert provided, 7/8-inch rail tubing.

1. Remove the sleeve, lock washer, and internal threaded mounting screw from the quick release clamp (DETAIL “C”).

2. Place the quick release clamp on the seat rail.

3. If quick release clamp is not tightly fitted around seat rail tubing, install insert provided as shown in DETAIL “C”.

4. Install the quick release clamp onto the seat rail so that the fixed portion is flush against and rests on top of the mounting hook and the release portion is between the front riggings and the mounting hook.

5. Reinstall the sleeve, lock washer, and internal mounting screw into the quick release clamp and torque to 75 - inch pounds.

6. Repeat STEPS 1-5 for other side.

7. Once quick release mounting clamps are secured, do one (1) of following:
   A. Refer to FIXED RELEASE CLAMPS FOR SEAT in PROCEDURE 2 of this instruction sheet.
   B. Refer to USING CLAMPS in this instruction sheet.

### Fixed Release Clamps For Seat (FIGURE 4)

**NOTE:** Refer to INSTALLATION WARNING in the SAFETY SUMMARY before proceeding.

**NOTE:** The quick release and fixed release clamps are designed to fit either 1-inch rail tubing or, with insert provided, 7/8-inch rail tubing.

1. Remove the sleeve, lock washer, and internal threaded mounting screw from the fixed release clamp (DETAIL “C”).

2. Place the fixed release clamp on the seat rail.

3. If fixed release clamp is not tightly fitted around seat rail tubing, install insert provided as shown in DETAIL “C”.

4. Install the fixed release clamp onto the back rail so that the fixed portion is flush against and rests on top of the mounting hook and is located between the seat rail and the bottom of the mounting hook.

5. Reinstall the sleeve, lock washer, and internal mounting screw into the fixed release clamp and torque to 75- inch pounds.

6. Repeat STEPS 1-5 for other side.

7. Once fixed release mounting clamps are secured, do one (1) of following:
   A. Refer to QUICK RELEASE CLAMPS FOR SEAT in PROCEDURE 2 of this instruction sheet.
   B. Refer to USING CLAMPS in this instruction sheet.
**USING CLAMPS**

**Twist Release (FIGURE 5)**

1. To unlock cane clamp, twist away from back cane.
2. To lock the cane clamp, twist in toward the back.

**Quick Release (FIGURE 6)**

1. To unlock, push down on the release tab of the quick release rail clamps.
2. To lock, push down on the thumb-like feature of the quick release rail clamps.