



## Maple Leaf™ Orthosis Fitting Instructions



The Maple Leaf™, model 147, is an off-the-shelf orthosis that allows static post-operative positioning and stabilization of the hip. \* **The 147-XS must be pre-fit, as the joints need to be positioned and attached. Pre-fitting is suggested for the other sizes as well.**

<p><b>ALL MODELS</b></p>	<p><b><u>Pelvic Girdle Adjustment:</u></b>  <b>Required Tool:</b> Phillips head screwdriver.</p> <ul style="list-style-type: none"> <li>•Pelvic modules have approximately two inches of adjustment from the stated size.</li> <li>•To size the pelvic module, loosen the four screws securing the left and right hip segments.</li> <li>•Adjust the left and right hip segments by sliding the loosened screws in the slots.</li> <li>•Tighten the four screws to match the patient's pelvic diameter.</li> <li>•Cut white foam to fit into space caused by opening the pelvic module to the patient's width. Fasten to back of liner using hook and loop attachment.</li> <li>•Keep thread locker off plastic section, as this can weaken the plastic.</li> </ul>
<p><b>MODEL 147 S, M, L</b></p>	<p><b><u>Model 147 (Sizes: S, M, L) with 2041-C hip joint for static positioning or ROM activity control:</u></b>  <b>Required tool:</b> 3 mm hex key (included), thread locker.</p> <ul style="list-style-type: none"> <li>•Loosen socket head cap screws with 3 mm hex key.</li> <li>•Move joint uprights along slots to change orthotic hip joint elevation in relation to the patient's anatomical hip axis.</li> <li>•Secure upright screws with thread locker and tighten.</li> <li>•Place socket head screws on flexion/extension range of motion plate for static position control or range of motion control. There is a 20° interval between adjustment positions.</li> <li>•Abduction and adduction can be adjusted on the 2041 hip joint by loosening the flat head cap screw with a 3mm hex key. There is a 9° range of motion available between each serrated adjustment point.</li> </ul>
<p><b>MODEL 147 XS</b></p>	<p><b><u>Model 147 (Size: XS) with modified 2040-C hip joint for static positioning or ROM activity control:</u></b>  <b>Required tool:</b> Phillips head screwdriver, drill or equivalent, thread locker.</p> <ul style="list-style-type: none"> <li>•Position the hip joints, make holes in plastic pelvic section, and attach to pelvic section using enclosed Chicago bushings and screws. Secure screws with thread locker. Contour proximal bars as needed.</li> <li>•Thigh cuffs are set in the middle position of the distal bar upon shipment. Use any combination of two screw locations to make adjustments.</li> </ul>
<p><b>MODEL 146</b></p>	<p><b><u>Model 146 static hip joint adjustment:</u></b>  <b>Required Tools:</b> 3 mm hex key (included), two 7/16" wrenches (included), thread locker.</p> <ul style="list-style-type: none"> <li>•Loosen socket button head screws with 3 mm hex key.</li> <li>•Move joint uprights along slots to change orthotic hip joint elevation in relation to the patient's anatomical hip axis.</li> <li>•Secure upright screws with thread locker and tighten.</li> <li>•Loosen the two 7/16" acorn nuts with supplied wrenches to allow flexion/abduction positioning of the hip.</li> <li>•Rotate the serrated split cams to position the hip joint.</li> <li>•Tighten the acorn nuts to compression lock the cams in a static hip position.</li> </ul>

### OPTIONS

**Hip Clearance:** The 2041-C joint can be inverted to provide more clearance at the greater trochanter. The abduction/adduction adjustment mechanism will be above the hip axis.

If additional rotational control is desired to control the lower limb, the model designator DE (distal extensions) (ie: 147-DE-S) should be used when ordering. This model incorporates calf cuffs and unilateral orthotic knee joints with adjustable flexion/extension range of motion or static control.



(800) 521-2192 (248) 588-7480

BeckerOrthopedic.com



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