Adult Ankle Joint

Product Data Sheet

Model 3A76
Adult Triple Action® 2.0 ankle joint

Model 3A76-BS
Adult Triple Action® 2.0 ankle joint with Booster Spring

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Description</th>
<th>UOM</th>
</tr>
</thead>
<tbody>
<tr>
<td>3A76-LATL</td>
<td>Adult Triple Action 2.0 with Left Lateral Stirrup</td>
<td>Each</td>
</tr>
<tr>
<td>3A76-LATR</td>
<td>Adult Triple Action 2.0 with Right Lateral Stirrup</td>
<td>Each</td>
</tr>
<tr>
<td>3A76-MEDL</td>
<td>Adult Triple Action 2.0 with Left Medial Stirrup</td>
<td>Each</td>
</tr>
<tr>
<td>3A76-MEDR</td>
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<tr>
<td>3A76-BS-LATL</td>
<td>Adult Triple Action 2.0 with Booster Spring &amp; Left Lateral Stirrup</td>
<td>Each</td>
</tr>
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<td>3A76-BS-LATR</td>
<td>Adult Triple Action 2.0 with Booster Spring &amp; Right Lateral Stirrup</td>
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Accessories & Options

Accessories

- ROM Dial

Stirrup Options

- Lateral Stirrup
  Models 3A76-LATR & 3A76-BS-LATL

- Medial Stirrup
  Models 3A76-MEDR & 3A76-BS-MEDL

Model 3A00-FTK
Fabrication Tool Kit (Picture not shown)
The fabrication tool kit includes fabrication dummies, alignment axis, upper bar bearing removal / installation tool, attachment hardware and wrenches.

Order No. | Description                   | UOM   |
-------|-------------------------------|-------|
3A00-BS | Adult Triple Action 2.0 Booster Spring Only | Each |

Alignment Scale
New pivot bearing for single upright applications.

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Prosthetic and orthotic solutions for an active and independent lifestyle
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Description
The Adult Triple Action ankle joint has been updated to expand single upright AFO applications when used in composite orthoses. Like the original version, the new Adult Triple Action 2.0 is designed to provide highly adjustable active ankle control of the lower extremity during all phases of the gait cycle. The component excels in the orthotic treatment of complex disorders like stroke, traumatic brain injury and other pathologic neuromusculoskeletal conditions.

Ankle alignment, plantarflexion resist, dorsiflexion resist, and range of motion are independently adjustable to help simplify optimization. The clinician can easily tune the component to meet the changing needs of their patient through all stages of recovery and rehabilitation.

Triple Action provides multiple spring options, increased spring stiffness and spring durability. The component’s independently adjustable features are precisely adjustable to help mobilize the ankle and stabilize the knee.

The new plantarflexion booster spring now offers five high resistance spring options with a direct reading plantarflexion range of motion dial. Ankle alignment is also read directly from the component body simplifying adjustment and tracking for monitoring patient settings and progress.

Features
Independent adjustment of:
- Plantarflexion ROM
- Plantarflexion spring stiffness (with Booster spring)
- Dorsiflexion ROM
- Ankle Alignment

Five high stiffness plantarflexion spring options (included with booster spring)

Pivot bearing for high mediolateral stability and smooth articulation (suitable for single upright composite AFO designs)

Indications
Lower limb functional and structural deficits as the result of:
- Peroneal nerve palsy
- Sub-acute and chronic stroke
- Traumatic brain injury
- Multiple Sclerosis
- Post Tendon transfer/repair surgery
- Ankle contracture
- Other pathologic neuromusculoskeletal conditions

Contraindications
- Patient weight greater than 110 Kg (240 lb)

Specifications

<table>
<thead>
<tr>
<th>Component Settings</th>
<th>Effect of Adjustment</th>
<th>Adjustment Range</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ankle Alignment</td>
<td>Changes the ankle alignment of the orthosis</td>
<td>± 10°</td>
<td>0° alignment corresponds to the corrected angle of the cast during fabrication</td>
</tr>
<tr>
<td>Plantarflexion ROM</td>
<td>Changes the range of motion of the stirrup in plantarflexion 5° per turn of adjustment screw or Booster</td>
<td>0-12° PF ROM adjustment range, 5° per turn of the adjustment screw or booster, 2 ½ turns counter clockwise (12° maximum)</td>
<td>0° PF ROM corresponds to the locked (no range of motion in PF) ankle condition with the adjustment screw or booster turned fully clockwise</td>
</tr>
<tr>
<td>Plantarflexion Booster spring configuration (Booster spring option only)</td>
<td>Changes the stiffness of the PF resist function</td>
<td>5 spring configurations are possible with Booster Spring option only (3A76-BS or 3A00-BS) Spring stiffness increases linearly with spring configuration numbers 1-5</td>
<td>Spring configuration #1 (included with Model 3A76, 3A76-BS and 3A00-BS) is suitable for the management of mild swing phase gait deficits. Stiffness of other PF spring configurations are X1, X2, X3, X4, X5</td>
</tr>
<tr>
<td>Dorsiflexion ROM</td>
<td>Changes the range of motion of the stirrup in dorsiflexion 3° per turn</td>
<td>0-12° DF ROM adjustment range, 3° per turn of the adjustment screw, 4 turns counter clockwise (12° maximum)</td>
<td>0° DF ROM corresponds to the locked (no range of motion in DF) ankle condition with the adjustment screw turned fully clockwise</td>
</tr>
</tbody>
</table>

Dimensions (3A76)

Prosthetic and orthotic solutions for an active and independent lifestyle