

TRIPLE ACTION[®]

Pediatric Ankle Joint

Product Data Sheet



(Shown Full Scale)

Model 3C76 Pediatric Triple Action[®] Ankle Joint

| Order No. | Description | UOM |
|-----------|--|------|
| 3C76-LAT | Pediatric Triple Action Ankle Joint with Lateral Stirrup Option | Each |
| 3C76-MEDL | Pediatric Triple Action Ankle Joint with Left Medial Stirrup Option | Each |
| 3C76-MEDR | Pediatric Triple Action Ankle Joint with Right Medial Stirrup Option | Each |

Accessories & Options

Accessories



**Booster Spring
Staged Resist
Adapter (SRA)***
Model 3C00-SRA

| Order No. | Description | UOM |
|-----------|--|------|
| 3C00-SRA | Booster Spring Staged Resist Adapter (SRA) | Each |

*Not available for sale in some countries.

Stirrup Options



**Lateral Stirrup
(Universal)**
Model 3C76-LAT



Right Medial Stirrup
Model 3C76-MEDR



Left Medial Stirrup
Model 3C76-MEDL



Fabrication Tool Kit
Model 3C00-FTK

| Order No. | Description | UOM |
|-----------|--|-----|
| 3C00-FTK | Fabrication Tool Kit - Includes Fabrication Dummy, Alignment Axis, Alignment Bushing, M6 Shoulder Screw and Fabrication Wrench (4mm) | Kit |

Description

The Pediatric Triple Action® Stance/Swing Control Ankle Joint was developed by Becker Orthopedic to provide control of the lower limb through all phases of the gait cycle. The component is small, lightweight and durable. It may be used unilaterally when paired with a free motion companion joint, or in a double upright thermoplastic orthotic design for larger or high tone patients. This advanced ankle joint has been engineered to keep pace with active patients, improving performance and reducing component maintenance. The included standard and high resistance spring options will suit a broad range of patient management applications. With installation of the optional Booster Spring Staged Resist Adapter*, the component's applications are further extended. The pediatric Triple Action® was developed with these challenging orthotic applications in mind. Use the Triple Action® for orthotic designs where patients may benefit from precise tuning of ankle and knee support for each unique phase of the gait cycle. The patent pending alignment feature can be used to tune shank to vertical angle or to accommodate a change in the patient's condition and/or heel height. With the resist settings locked, the component alignment feature may also be used for static progressive contracture management over a 20° adjustment range.

Features

- Lightweight aluminum component body
- High strength upper bar and stirrup
- Standard and High resistance spring options
- Low and High activity ROM pin options
- Booster Spring Staged Resist Adapter (sold separately) adds variable resistance in early and/or late stance
- Independent adjustment of ankle alignment, plantarflexion/dorsiflexion resistance
- Alignment feature provides adjustment for:
 - Shank to vertical angle
 - Toe clearance in swing
 - Foot position at initial contact
 - Shoe heel height
 - Accommodation or treatment of ankle contracture

Indications

- Lower extremity gait deficits as a result of:
 - Cerebral Palsy
 - Traumatic Brain Injury
 - Spina Bifida
 - Incomplete Spinal Cord Injury
 - Stroke
- Crouch Gait
- Plantarflexion Contracture
- Spasticity
- Quadriceps Weakness

Contraindications

- Patient weight greater than 50 kg (110 lbs)
- AFOs for patients with profound knee and/or hip extensor weakness
- Single upright orthoses (without a companion joint)

Specifications

| Component Settings | Effect of Adjustment | Adjustment Range | Reference |
|---|--|---|---|
| Alignment Setting | Changes open chain ankle angle or closed chain shank to vertical angle | ± 10° (20° combined) | • The alignment setting is read directly from the scale on top of the component body |
| Resistance Settings | Adjusts resistance preload and maximum ROM (5° per turn of adjustment screw) | <ul style="list-style-type: none"> • 0-15° ROM adjustment per channel (30° combined active ROM) • Spring Resist Options <ul style="list-style-type: none"> - Standard (Black) - High (Red) | <ul style="list-style-type: none"> • Fully tightened corresponds to locked resistance setting • Count turns away from locked to keep track of setting • 3 turns away from locked (maximum range) |
| Booster Spring Stage Resistance Adapter (optional)* | Adjusts resistance and recruitment angle of staged resist spring in early and/or late stance | <ul style="list-style-type: none"> • 0 - 15° Adjustment Range • 5 spring stiffness options | <ul style="list-style-type: none"> • Fully tightened corresponds to locked resistance setting • Count turns away from locked to keep track of setting • 3 turns away from locked (maximum range) |

*Not available for sale in some countries.

Dimensions (3C76-LAT)

