

TRIPLE ACTION 2.0



TRIPLE ACTION[®] 2.0 ANKLE JOINT



Features, Indications and Contraindications

The Triple Action[®] Ankle Joint 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, such as stroke, multiple sclerosis and cerebral palsy. Ankle alignment, plantarflexion / dorsiflexion spring stiffness and range of motion are independently adjustable to help simplify optimization. The Triple Action should be considered for patients with combined ankle and knee deficits, as well as patients with clinical presentations that may change over time, as with recovery or progression of a neuromuscular disorder.

Features

- Independent adjustment of
 - Ankle alignment
 - Plantarflexion/dorsiflexion range of motion
 - Plantarflexion/dorsiflexion spring stiffness
- Independent adjustment range of +10°
- (4) high stiffness spring options included with booster spring models
- Compatible with unilateral or bilateral orthotic designs

Indications

- Lower limb functional deficits as a result of
 - Stroke
 - Cerebral palsy
 - Multiple sclerosis
 - Spina bifida
 - Spinal cord injury
 - Other neuromotor deficits

Contraindications

- Patient weight greater than 110 kg
- 3A76 - Greater than 110kg
- 3B76 - Greater than 100kg
- 3C76 - Greater than 50kg



ADULT 2.0 ANKLE JOINT

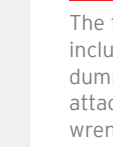
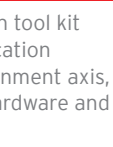
(19mm Systems)

Model 3A76 Component Selection



WEIGHT LIMITS (KB/LBS)	Unilateral	100 kg															
	Bilateral	110 kg															
GAIT PHASE WHERE ABNORMALITIES OCCUR	Booster Configuration																
		No Booster				Plantarflexion Resist Booster				No Booster				Plantarflexion Resist Booster			
	Early Stance Phase	NORMAL				ABNORMAL				NORMAL				ABNORMAL			
	Late Stance Phase	NORMAL				NORMAL				ABNORMAL				ABNORMAL			
Leg		R	L	L	R	R	L	L	R	R	L	L	R	R	L	L	R
Side		Lat	Med	Lat	Med	Lat	Med	Lat	Med	Lat	Med	Lat	Med	Lat	Med	Lat	Med
Order No.		3A76-A1 3A76-A0				3A76-A3 3A76-A2				3A76-A1 3A76-A0				3A76-A3 3A76-A2			
STOCKED ITEM										STOCKED ITEM							

Stirrup Options

3A76									
Thermoplastic & Wet Lamination						PrePreg			
									
Left	Right	Left	Right	Left	Right	Left	Right	Left	Right
Lateral	Medial	Lateral	Medial	Lateral	Medial	Lateral	Medial	Lateral	Medial
3A76 -R-1	3A76 -L-1	3A76 -LATR-1	3A76 -MEDL-1	3A76 -MEDR-1	3A76 -YR-1	3A76 -YL-1	3A76 -YR-1	3A76 -YL-1	3A76 -YL-1

Accessories

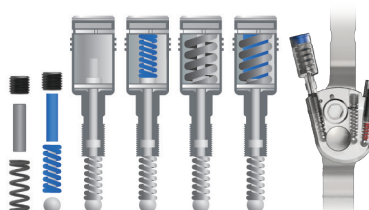
Fabrication Tool Kit Model 3A00-FTK

The fabrication tool kit includes fabrication dummies, alignment axis, attachment hardware and wrenches.



Spring Configurations

SPRING CONFIGURATION	0	1	2	3	4
Booster Required	No	No	Yes	Yes	Yes
Bottom Spring	Long ROM	Standard	Standard	Standard	Standard
Top Spring	None	None	Standard	High	High & Standard
Stiffness	X0.5 (low)	X1 (low)	X2 (moderate)	X4 (high)	X5 (very high)
Max. ROM	18°	10°	10°	10°	10°



*The Booster Spring Unit cannot be removed from the Triple Action component housing. Doing so will destroy the Booster and void the product warranty.

SMALL ADULT ANKLE JOINT

(16mm Systems)

Model 3B76 Component Selection



WEIGHT LIMITS (KB/LBS)	Unilateral	90 kg											
	Bilateral	100 kg											
GAIT PHASE WHERE ABNORMALITIES OCCUR	Booster Configuration	 No Booster	 Plantarflexion Resist Booster	 Dorsiflexion Resist Booster	 Plantarflexion & Dorsiflexion Resist Boosters								
	Early Stance Phase	NORMAL	ABNORMAL				NORMAL				ABNORMAL		
	Late Stance Phase		NORMAL				ABNORMAL						
	Leg	Either	R	L	L	R	R	L	L	R	Either		
	Side		Lat	Med	Lat	Med	Lat	Med	Lat	Med			
Order No.		3B76-A0	3B76-A1		3B76-A2		3B76-A2		3B76-A1		3B76-A3		

STOCKED ITEM

Stirrup Options

3B76											
Thermoplastic & Wet Lamination								PrePreg			
											
Left	Right	Left	Right	Left	Right	Left	Right	Left	Right	Left	Right
Lateral	Medial	Lateral		Medial		Lateral		Lateral	Medial		
3B76-R1 HD - 3B76-RHD-1		3B76-LATL-1		3B76-LATR-1		3B76-MEDL-1		3B76-Y1 HD - 3B76-YHD-1			

Accessories

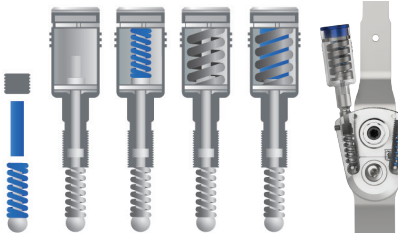
Fabrication Tool Kit Model 3B00-FTK

The fabrication tool kit includes fabrication dummies, alignment axis, attachment hardware and wrenches.



Spring Configurations

SPRING CONFIGURATION	1	2	3	4
Booster Required	No	Yes	Yes	Yes
Bottom Spring	Standard	Standard	Standard	Standard
Top Spring	None	Standard	High	High & Standard
Stiffness	X1 (low)	X2 (moderate)	X4 (high)	X5 (very high)
Max. ROM	10°	10°	10°	10°



*The Booster Spring Unit cannot be removed from the Triple Action component housing. Doing so will destroy the Booster and void the product warranty.

PAEDIATRIC ANKLE JOINT

(13mm Systems)

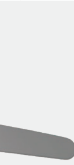
Model 3C76 Component Selection



WEIGHT LIMITS (KB/LBS)	Unilateral	40 kg									
	Bilateral	50 kg									
GAIT PHASE WHERE ABNORMALITIES OCCUR	Booster Configuration										
		No Booster	Plantarflexion Resist Booster		Dorsiflexion Resist Booster		Plantarflexion & Dorsiflexion Resist Boosters				
	Early Stance Phase	NORMAL	ABNORMAL				NORMAL				
	Late Stance Phase		NORMAL				ABNORMAL				
	Leg	Either	R	L	L	R	R	L	L	R	Either
Side	Lat		Med	Lat	Med	Lat	Med	Lat	Med		
Order No.	3C76-A0	3C76-A1	3C76-A2		3C76-A2		3C76-A1		3C76-A3		

STOCKED ITEM

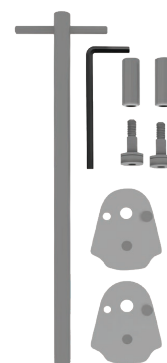
Stirrup Options

3C76											
Thermoplastic & Wet Lamination								PrePreg			
											
Left	Right	Left	Right	Left	Right	Left	Right	Left	Right	Left	Right
Lateral		Medial		Lateral		Medial		Lateral		Medial	
3C76-R-1		3C76-LAT-1		3C76-MEDL-1		3C76-MEDR-1		3C76-YLNG-1			

Accessories

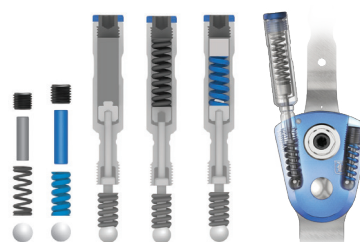
Fabrication Tool Kit Model 3C00-FTK

The fabrication tool kit includes fabrication dummies, alignment axis, attachment hardware and wrenches.



Spring Configurations

SPRING CONFIGURATION	1	2	3	4
Booster Required	No	No	Yes	Yes
Bottom Spring	Standard	High	High	High
Top Spring	None	None	Long ROM	High
Stiffness	X0.2 (low)	X1 (low)	X1.5 (moderate)	X2 (high)
Max. ROM	15°	10°	18°	10°



*The Booster Spring Unit cannot be removed from the Triple Action component housing. Doing so will destroy the Booster and void the product warranty.

GUIDE TO COMPONENT SELECTION

Assistance and orders

For assistance: Please contact Orthotics - orthotics@opchealth.com.au
For orders: Please email sales@opchealth.com.au

Step 1 | Select system size, unilateral or bilateral, by patient weight:

Triple Action Weight Limits (kg)

System Size	Unilateral	Bilateral
3A76 (19mm)	100 kg	110 kg
3B76 (16mm)	90 kg	100 kg
3C76* (13mm)	40 kg	50 kg

*Requires Companion Joint

Step 2 | Select booster conguration and order number by gait deficit

STOCKED ITEM

GAIT PHASE WHERE ABNORMALITIES OCCUR	Early Stance Phase		ABNORMAL				NORMAL				ABNORMAL							
	Late Stance Phase		NORMAL				ABNORMAL											
Booster Configuration																		
	No Booster					Plantarexion Resist Booster				Dorsiexion Resist Booster				Plantarexion & Dorsiexion Resist Boosters				
Leg	R	L	L	R	Either	R	L	L	R	R	L	L	R	R	L	L	R	Either
Side	Lat	Med	Lat	Med		Lat	Med	Lat	Med	Lat	Med	Lat	Med	Lat	Med	Lat	Med	
Order No.	3A76-A1		3A76-A0		3B76-A 0	3A76-A3		3A76-A2		3A76-A1*		3A76-A0*		3A76-A3*		3A76-A2*		3B76-A3
						3B76-A1		3B76-A2		3B76-A2		3B76-A1						3C76-A3
			3C76-A 0			3C76-A1		3C76-A2		3C76-A2		3C76-A1						

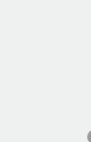
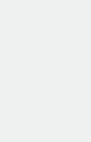
*3A76 is only available with plantarflexion booster as internal dorsiflexion spring is equal to booster strength.

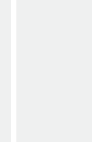
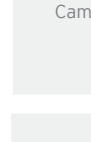
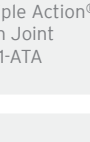
GUIDE TO COMPONENT SELECTION

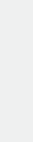
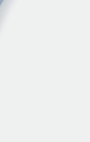
Step 3 | Select fabrication method:

System Size	Thermoplastic		Composite	
3A76 (19mm)				
3B76 (16mm)	Unilateral* 5mm Polypropylene	Bilateral 5mm Polypropylene	Unilateral Wet Lamination like Becker BCO Shadow™, Max™ or PrePreg	Bilateral Wet Lamination like Becker BCO Lite™, Shadow™, Max™ or PrePreg
3C76* (13mm)				
	Unilateral* 4mm Polypropylene	Bilateral 4mm Polypropylene		

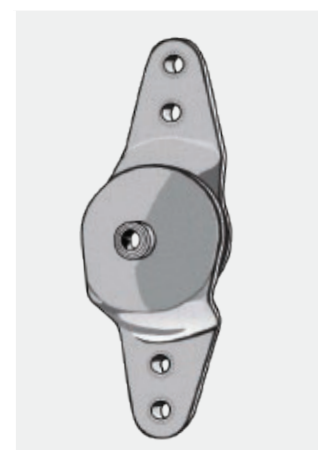
Step 4 | Select stirrup:

3A76											
Thermoplastic & Wet Lamination								PrePreg			
											
Left	Right	Left	Right	Left	Right	Left	Right	Left	Right	Left	Right
Lateral	Medial	Lateral	Medial	Lateral	Medial	Lateral	Medial	Lateral	Medial	Lateral	Medial
3A76-R-1	3A76-LATL-1	3A76-LATR-1	3A76-MEDL-1	3A76-MEDR-1	3A76-YR-1	3A76-YL-1	3A76-YR-1	3A76-YL-1	3A76-YR-1	3A76-YL-1	3A76-YL-1

3B76											
Thermoplastic & Wet Lamination								PrePreg			
											
Left	Right	Left	Right	Left	Right	Left	Right	Left	Right	Left	Right
Lateral	Medial	Lateral	Medial	Lateral	Medial	Lateral	Medial	Lateral	Medial	Lateral	Medial
3B76-R-1	3B76-LATL-1	3B76-LATR-1	3B76-MEDL-1	3B76-MEDR-1	3B76-YR-1	3B76-YL-1	3B76-YR-1	3B76-YL-1	3B76-YR-1	3B76-YL-1	3B76-YL-1

3C76											
Thermoplastic & Wet Lamination								PrePreg			
											
Left	Right	Left	Right	Left	Right	Left	Right	Left	Right	Left	Right
Lateral	Medial	Lateral	Medial	Lateral	Medial	Lateral	Medial	Lateral	Medial	Lateral	Medial
3C76-R-1	3C76-LATL-1	3C76-MEDL-1	3C76-MEDR-1	3C76-YLNG-1	3C76-YLNG-1	3C76-YLNG-1	3C76-YLNG-1	3C76-YLNG-1	3C76-YLNG-1	3C76-YLNG-1	3C76-YLNG-1

Step 5 | Select companion:



Camber Axis Triple Action®
Companion Joint
Model 751-ATA



Tamarack Flexure
Joint* Medium
Model 740-M



an **OPED** company

OPC Health
26-32 Clayton Rd, Clayton VIC 3168
T: 1300 672 937 (1300 OPC YES)
E: sales@opchealth.com.au

Visit our website at
opchealth.com.au

* OPC Health reserves the right to make any amendments
and/or variations to this product or pricing without notice.