

# Graphite Extension to Floor

Custom Bracing Solutions

## Patient Information

Fit Date: \_\_\_\_\_ Patient ID: \_\_\_\_\_

Age \_\_\_\_\_ Weight \_\_\_\_\_ (LBS) Height \_\_\_\_\_ (IN)

☐ Male ☐ Female Leg: ☐ Left ☐ Right

Townsend Knee Orthosis Ordered: \_\_\_\_\_

## Extension options:

☐ Medial Extension ☐ Lateral Extension

## Orthometry Chart

*All measurements must be provided and compared to final cast or scan before submitting to Thuasne USA.*

*Missing measurements will not be flagged and put on hold.*

*If no measurements are provided or if any are missing you are giving Thuasne USA permission to fabricate the KAFO with no other specifications to meet as the cast will be the specification.*

Measurement Type			Anatomical Location
A/P	M/L	Circum.	
			KC (Knee Center)
			3" below KC
			6" below KC
			9" below KC
			12" below KC
			AC (Ankle Center)

*Knee Height* (vertical line from KC to AC)

*Ankle Height* (vertical line from AC to floor)

## Townsend's Definition of Knee Center

Femoral Epicondyle (Apex of the Lateral Condyle)

Please palpate the condyle and make a mark on the cast to indicate knee center. All M/L and A.P. measurements should be made at the appropriate position on the leg as it relates to your knee center mark. In terms of fabrication, the hinge and band heights will be based on TOWNSEND'S definition of knee center.

## PLEASE PROVIDE MEASUREMENTS

Bend knee to 90 degree and check toe out

Desired toe out is \_\_\_\_\_°

## PLEASE PROVIDE MEASUREMENTS

Shoe Height Measurement

(Shoe sole thickness at heel and forefoot)

Heel \_\_\_\_\_" Forefoot \_\_\_\_\_"

## Please Follow Step-By-Step Cast Protocol Instructions

## Casting Info

Casted position:

☐ Seated ☐ Standing ☐ Supine

Weight Bearing Amount

☐ Full weight ☐ Partial weight ☐ No weight

Did you use a casting block?

☐ Yes (Preferred) ☐ No

## Ankle Joints

☐ Set ankle joint M/L to \_\_\_\_\_" (standard spacing is 1/4 inch)  
☐ Attach to shoe (Practitioner must send footwear with cast. Footwear must have solid stirrup or split caliper pre-attached with appropriate toe out and M/L)

Townsend Ankle Joints

☐ Free Ankle ☐ Dorsi Assist

Becker Ankle Joints

☐ Free Ankle ☐ Dorsi Assist  
☐ Double Adjustable with Springs Only (Anterior or posterior pins may damage the frame)  
☐ Standard Action (Model # 3025-A) (Fused ankle when assembled)  
☐ Set fused ankle position at \_\_\_\_\_° of plantar flexion  
☐ Set fused ankle position at \_\_\_\_\_° of dorsi flexion  
☐ Grind limited motion to:  
☐ \_\_\_\_\_° plantar flexion and/or \_\_\_\_\_° dorsi flexion  
☐ Grind as free ankle

## Foot Plate Selections

(Sides, length, heel, pad)

**All Foot Plates will be fabricated out of Black Poly-Pro & Full Heel**

## Foot Plate Option



**DO NOT use low side foot plate with anterior stop ankle joints**

## Foot Plate Trim

☐ Heel cup (proximal to the base of the 5th metatarsal)  
☐ Trim proximal to the metatarsal heads

- ☐ Trim to toe sulcus
- ☐ Trim to toes – *Outline of full foot required!*

#### Foot Plate Padding

- ☐ No padding
- ☐ Line entire foot plate with 1/8" padding
- ☐ Line entire foot plate with 1/4" padding

Comments: \_\_\_\_\_

\_\_\_\_\_

#### Premier KO

Code	Production Description
<b>U0014-LAT</b>	Premier Polio w/ Graphite extension to floor with Townsend Knee hinge and Townsend Ankle hinge
<b>U0014-LAT2</b>	Premier Polio w/ Graphite extension to floor, with Townsend Knee hinge and Becker ankle hinge
<b>U0010-LAT</b>	Premier Functional w/ Graphite extension to Floor, Townsend Knee Hinge and Townsend Ankle Hinge
<b>U0010-LAT2</b>	Premier Functional w/ Graphite extension to Floor, Townsend Knee Hinge and Becker Ankle Hinge
<b>U0011-LAT</b>	Premier OA w/ Graphite extension to Floor, Townsend Knee Hinge and Townsend Ankle Hinge
<b>U0011-LATB</b>	Premier OA w/ Graphite extension to Floor, Townsend Knee Hinge and Becker Ankle Hinge
<b>U0013-LAT</b>	Premier Trigger Lock w/ Graphite extension to Floor, Townsend Knee Hinge and Townsend Ankle Hinge
<b>U0013-LATB3</b>	Premier Trigger Lock w/ Graphite extension to Floor, Townsend Knee Hinge and Becker Ankle Hinge
<b>U0013-LATB2</b>	Premier Trigger Lock w/ Graphite extension to Floor, Becker Knee Hinge and Becker Ankle Hinge
<b>U0013-LATB</b>	Premier Trigger Lock w/ Graphite extension to Floor, Becker Knee Hinge and Townsend Ankle Hinge

#### Full Shell KO

Code	Production Description
<b>TD002</b>	Air Townsend w/ Graphite Extension to the floor, Townsend Knee Hinge and Townsend Ankle Hinge
<b>TD002-B</b>	Air Townsend w/ Graphite Extension to the floor, Townsend Knee Hinge and Becker Ankle Hinge
<b>U0025-LAT</b>	Full Shell OA w/ Graphite Extension to the floor, Townsend Knee Hinge and Townsend Ankle Hinge
<b>U0025-LATB</b>	Full Shell OA w/ Graphite Extension to the floor, Townsend Knee Hinge and Becker Ankle Hinge
<b>U0028-LAT</b>	Full Shell Polio w/ Graphite Extension to the floor, Townsend Knee Hinge and Townsend Ankle Hinge
<b>U0028-LATB</b>	Full Shell Polio w/ Graphite Extension to the floor, Townsend Knee Hinge and Becker Ankle Hinge
<b>U0027-LAT</b>	Full Shell Trigger w/ Graphite Extension to the floor, Townsend Knee Hinge and Townsend Ankle Hinge
<b>U0027-LATB2</b>	Full Shell Trigger w/ Graphite Extension to the floor, Townsend Knee Hinge and Becker Ankle Hinge
<b>U0027-LATB1</b>	Full Shell Trigger w/ Graphite Extension to the floor, Becker Knee Hinge and Townsend Ankle Hinge
<b>U0027-LATB3</b>	Full Shell Trigger w/ Graphite Extension to the floor, Becker Knee Hinge and Becker Ankle Hinge