

Premier Ankle Brace L-1970



Prescribed for patients with severe ankle instability or posterior tibial tendon dysfunction who require stabilization or inversion/eversion motion control.

This product can be ordered from a cast mold only.

Offered With These Standard Features:

- Custom molded carbon graphite anterior or posterior shells
- adjustable carbon graphite ankle joints
- Non-elastic straps
- Molded polypro foot plate

Available Options Include:

- Shell configuration and height
- Dorsi assist bands added to joints
- Graphite foot plate
- A variety of powdercoat and paint color options



Dorsi Assist bands can be added to the ankle joint.

Customer Service: 800-762-9605

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Premier Ankle Braces are custom fabricated from a cast mold or digital leg scan. The shells and hinges are vacuum formed to the patient model. The routine production schedule is four business days from when the order is received.

Standard Structural Features

- Pre-Preg Carbon Fiber Tibia Shell
- Pre-Preg Carbon Fiber Ankle Joint(s)
- Poly Foot Plate (Optional Carbon Graphite)
- Inversion/Eversion Ankle Joint Adjustment Kit
- 1/8" Ankle Joint Padding
- Strap(s) With Adjustable Velcro Closure(s)



Premier-ATS (Anterior Tibia Shell)

In addition to the standard features, the entire tibia section is lined with 1/4" padding to ensure patient comfort.

This model is recommended for patients who fit this general profile:

- Activity Level: Any
- Ankle Instability: Mild To Severe
- Foot/Ankle Flexibility/Rigidity: Up To Semi-Rigid
- Slightly Correctable Ankle Deformity
- PesPlanus (Flat Foot): Mild To Severe, Semi-Rigid
- Posterior Tibial Tendon Dysfunction (PTTD): Anything Less Than Rigid

This model is NOT indicated for patients who have these conditions/characteristics:

- Foot/Ankle Flexibility/Rigidity: Severe Rigid Deformity
- Posterior Tibial Tendon Dysfunction (PTTD): Rigid



Premier-PTS (Posterior Tibia Shell)

This model is recommended for patients who fit this general profile:

- Activity Level: Any
- Ankle Instability: Mild To Severe
- Foot/Ankle Flexibility/Rigidity: Up To Semi-Flexible
- Moderately Correctable Ankle Deformity
- PesPlanus (Flat Foot): Mild To Severe, Semi-Flexible
- Posterior Tibial Tendon Dysfunction (PTTD): Mild To Moderate

This model is NOT indicated for patients who have these conditions/characteristics:

- Foot/Ankle Flexibility/Rigidity: Moderate Or Greater Rigid Deformity (Not Correctable)
- Posterior Tibial Tendon Dysfunction (PTTD): Greater Than Moderate



Optional Dorsi Assist Bands

Dorsi Assist Bands can be ordered for drop foot conditions. We recommend a posterior shell model, with a foot plate length that extends to at least the toe sulcus (to provide the leverage necessary to raise the foot). For single upright models, the dorsi assist option is only recommended for mild drop foot.



Premier-SU/ATS & Premier-SU/PTS

Single Upright With Anterior Or Posterior Tibia Shell

This model is recommended for patients who fit this general profile:

- When The Lowest Profile Ankle Brace Is Required
- Activity Level: Any (But Not Recommended For High Impact Sports)
- Ankle Instability: Mild To Moderate
- Foot/Ankle Flexibility/Rigidity: Flexible
- Fully Correctable Ankle Deformity
- PesPlanus (Flat Foot): Mild To Moderate, Flexible
- Posterior Tibial Tendon Dysfunction (PTTD): Mild

This model is **NOT** indicated for patients who have these conditions/characteristics:

- Foot/Ankle Flexibility/Rigidity: Any Foot Ankle Deformity That Is Not Fully Correctable
- Posterior Tibial Tendon Dysfunction (PTTD): Greater Than Mild



Premier-PTS/TJ (Posterior Tibia Shell & Tamarack Joints)

Tamarack Joints (standard or dorsi assist) are substituted for the adjustable carbon graphite joints. An optional adjustable plantar stop can be built into the shell.

This model is recommended for patients who fit this general profile:

- When A Lower Profile Dual Ankle Joint Brace Is Desired/Required
- Activity Level: Any
- Ankle Instability: Mild To Severe
- Foot/Ankle Flexibility/Rigidity: Up To Semi-Flexible
- Moderately Correctable Ankle Deformity
- PesPlanus. Mild To Severe, Semi-Flexible
- Posterior Tibial Tendon Dysfunction (PTTD): Mild To Moderate

This model is **NOT** indicated for patients who have these conditions/characteristics:

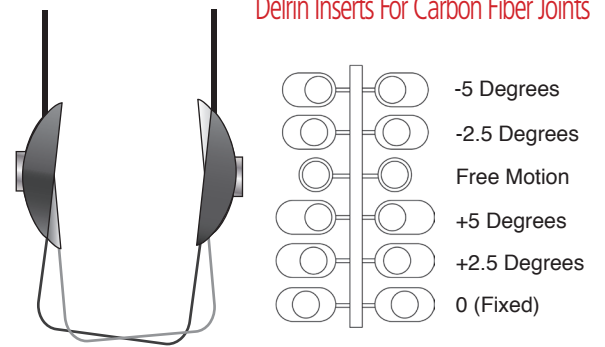
- Foot/Ankle Flexibility/Rigidity: Moderate Or Greater Rigid Deformity (Not Correctable)
- Posterior Tibial Tendon Dysfunction (PTTD): Greater Than Moderate

Ankle Joint Inversion/Eversion Motion & Control

All models except the PTS/TJ brace (fabricated with Tamarack Joints) feature adjustable carbon fiber joints.

Delrin inserts, provided in an adjustment kit, allow for a maximum of 5 degrees of inversion and 5 degrees of eversion motion. This movement falls within the normal ankle joint range of motion. There is no resistance to plantarflexion or dorsiflexion.

Based on the patient's clinical diagnosis and goals for enhancing mobility, the optimum Delrin inserts can be easily installed during the fitting procedure. Instructions for removing the joint cover and installing the inserts are provided with the brace. After ambulating the patient and ensuring the brace is achieving the desired function, Loc-Tite™ can be added to the joint cover screw.



The carbon fiber joints provide unlimited dorsiflexion and plantarflexion motion. Inversion and/or eversion can be limited or fixed by installing Delrin inserts to one or both joints.

Protocol For Casts & Digital Scans

The recommended casting protocol, that works best with our fabrication processes, includes the use of SYNTHETIC CASTING MATERIAL and the basic steps for casting for an AFO.

- Apply stockinette; no cast socks
- Insert cutting tube down the anterolateral aspect of the leg, extending to the dorsum of the foot (avoid crossing the tibia crest)
- Outline bony landmarks with indelible pencil (ankle, met heads, navicular, etc.) or apply raised sticky tabs to the patient's skin
- Cast weight bearing so the foot spreads normally; cast partial or non-weight bearing if full weight bearing enhances the deformity/instability
- Add heel or forefoot posting as desired
- Make hash marks on the outside of the mold (helps our techs align the cut edges before filling the cast)
- Remove cast from the leg and write the patient's last name and your office phone # on the cast

For digital scans, follow your routine protocol for an AFO. Files can be sent electronically to escan@townsenddesign.com.

Qualifying L-Codes

Base Code

L1970: AFO, plastic, custom fabricated, with ankle joint.

Add-On Codes

L2275: Varus/valgus correction, plastic modification, padded/lined

L2755: Addition to lower extremity orthosis, high strength, lightweight material, prepreg composite per segment

L2820: Soft interface for molded plastic below knee section (recommend when optional foot plate padding is ordered)

L2200 (x 2): Addition of limited motion ankle joint (can be used when Tamarack Joints and plantar stop shell modification is ordered)

L2210 (per joint): Addition of dorsiflexion assist ankle joint (can be used for braces fabricated with dorsi assist)

Charges & Warranty

The base charge for Premier Ankle Braces covers general fabrication including carbon fiber tibia shell; carbon fiber ankle joints; and a polypropylene foot plate. The brace also comes with a kit for limiting/fixating inversion and/or eversion, as well as thicker pads that the practitioner can install if needed inside the joints (against the ankles). There is an add-on charge for substituting carbon graphite for the fabrication of the foot plate; extending the foot plate to the Toe Sulcus or toes; padding the foot plate; substituting Tamarack joints and/or adding a plantar stop to the PTS/TJ model; and custom paint finishes.

A 30-day initial fit warranty (the brace can be returned for adjustments or re-fabrication), a 6 month warranty for straps/padding, and a one year warranty that covers repair or replacement of a brace that is structurally or functionally compromised during normal use and conditions.