



Orthotic Products Catalogue

A Guide to Standard Product Offerings

Effective June 1, 2009

PLS (Posterior Leaf Spring)

A single posterior upright orthosis that provides support, strength, flex and energy return.

Price includes:

- Prepreg (epoxy) carbon fiber full length orthosis
- Removable, anterior/ pretibial shell
- Foam Lining and minor padding for pressure relief
- Velcro Strap
- Cast modification to practitioners' requirements
- Made to various levels of rigidity
- 12 month warranty*

Customized to accommodate all weight and activity levels, and stiff enough to provide ground reaction forces for quadricep weakness.

Overlapping shell provides excellent rotational control.

Available with polyethelene or similar boot, or UCBL style footplate.



Solid Ankle AFO

Solid ankle, ankle-foot-orthosis provides rigid ankle stabilization.

Price includes:

- Prepreg (epoxy) carbon fiber solid ankle-foot-orthotic
- Any foot length, from flexible to rigid
- Includes medial lateral extensions for valgus or varus control
- Removable pretibial / anterior shell
- Foam lining and any minor padding for small area pressure relief
- Velcro straps (up to 2 calf straps)
- 12 month warranty*

Additional Fee for:

- Cast modification to practitioners' requirements

Can be made with medial or lateral upright design, and varying calf band and upright widths.

Available with polyethelene or similar boot, or UCBL style footplate.

Overlapping shell provides excellent rotational control.

Customized to accommodate all weight and activity levels.



Floor Reaction AFO Articulating Floor Reaction AFO

Floor reaction, solid ankle-foot-orthosis fabricated to provide ankle stabilization, limits plantar and dorsiflexion and controls subtalar motion. Anterior shell assists weak quadriceps and subsequent knee flexion.

Price includes:

- Prepreg (epoxy) carbon fiber solid ankle-foot-orthotic
- Medial lateral extensions for varus or valgus control
- Foam lining, including 1/8" PPT maleoli pads, 1/8" PPT tibial crest
- 1.5" posterior velcro straps
- 12 month warranty*

Additional Fees for:

- Joints (practitioner may send with cast for no additional charges)
- Stirrups (practitioner may send with cast for no additional charges)
- Cast modification to practitioners' requirements

Customized to accommodate all weight and activity levels.

Stiff enough to provide ground reaction forces for quadricep weakness.

Available with polyethelene or similar boot, or UCBL style footplate.



Articulating AFO

Ankle-foot orthosis with articulating ankle joint. AFO can be made with a variety of different ankle joint options and posterior stops to meet different patient needs.

Price includes:

- Prepreg (epoxy) carbon fiber orthosis
- Medial lateral extensions for varus or valgus control
- Removable pretibial / anterior shell
- Foam lining, including PPT padding around maleoli
- Velcro Straps (up to 2 calf straps)
- 12 month warranty*

Additional Fees for:

- Joints (practitioner may send with cast for no additional charges)
- Stirrups (practitioner may send with cast for no additional charges)
- Cast modification to practitioners' requirements



- Customized to accommodate all weight and activity levels.
- Available with polyethylene or similar boot, or UCBL style footplate.
- Can be made with medial or lateral upright design, and varying calf band and upright widths.
- Overlapping shell provides excellent rotational control.

Crow Boot (Neuropathic Walker)

Maximum rigidity and minimum weight! Solid ankle, ultra light, Charcot Restrictive orthosis, typically used to assist in the healing process of diabetic foot ulcers. Extremely rigid, no flexion or rotation of orthosis.

Price includes:

- Prepreg (epoxy) carbon fiber orthosis
- Clam shell design
- Foam lining ½" or ¼" complete device, and
- ½" or ¼" removable plastizote insole, with 1/8" ppt under plastizote
- Crepe rocker sole, with rubber sole unattached or glued
- 1" toe Dacron backed strap, (3) 1 ½" Dacron backed straps
- Can be made with openings to accommodate drain tube(s)
- Cast modification to practitioner's requirements
- 12 month warranty*



Knee Orthosis (K.O.)

Knee orthosis consisting of prepreg carbon thigh and calf cuff, joined together with a pair of knee joints. Any joint may be selected for control of knee motion.

Price includes:

- Prepreg (epoxy) carbon fiber orthotic
- Anterior/ Anterior, Anterior/ Posterior, Posterior/Posterior
- Made with a medial or a lateral joint only
- Foam lining, including PPT padding around condyles
- Cast modification to practitioners' requirements
- Velcro straps
- 12 month warranty*

Additional Fees for:

- Joints (practitioner may send with cast for no additional charges)

Knee Ankle Foot Orthosis (K.A.F.O.) Component

Price includes:

- Prepreg (epoxy) carbon fiber orthotic, *thigh section only*
- Foam lining
- Velcro straps
- May be fabricated with or without knee joints
- Made with a medial or a lateral joint
- Anterior or posterior thigh section, full or cage design
- 12 month warranty*

Additional Fees for:

- Joints (practitioner may send with cast for no additional charges)
- AFO component
- Cast modification to practitioners' requirements



Optional Add Ons

Fee schedule upon request

Additional Fees for:

- Overlapping Shell
- Instep Strap
- Dacron Backed Strap
- Full Length Tri Laminate Insole
- Full Foot 1/8" PPT under foam lining
- Shoe Modifications (Perthese Rocker)
- Pelvic Bands
- Molded Leather Lacer
- Medial or Lateral Extensions (Sabilich Trims)
- Polyethylene (or similar) boot
- Decorative fabric finish

*12 month warranty extends from invoice ship date. Guarantee and warranty to fit patient applies only if Carbon Express, LLC modifies the cast. Fit is not guaranteed if cast is modified elsewhere. Warranty applies to original prepreg carbon orthotic and fit to original cast, including breakage or delamination. Warranty does not apply to joint failure, cosmetic finish, nor change in patient size or clinical condition. Warranty may be invalidated if orthotic is altered or adjusted in any way. Claims for improper fit must be made within 30 days of ship date. All claims for repair or replacement must include the failed brace. Repair or replacement is at the sole discretion of Carbon Express, LLC.