

Spectra® Prosthetic Cable and Fittings

Spectra® is a registered trademark of Allied-Signal, Inc.

Spectra® Prosthetic Cable

Redesigned in 2007. Stronger and tighter weave.

These are custom "tie-on" fittings designed to ensure easy, positive attachment of Spectra® cable. Spectra® fittings are re-useable. Instructions are included.

Product Code: SPECTRA 400 ULTRA

Features:

- Spectra® cable is a high performance, synthetic, braided cable material with a very low coefficient of friction. Composed of ultra high molecular weight polyethylene fibers, Spectra® is quiet and strong.
- 400 ULTRA Spectra® is coated. 30% more abrasion resistant.
- Spectra® is an excellent alternative to other "fiber" cables such as dacron and stainless steel cable in situations where stainless has not performed well.
- Spectra® must be installed with a teflon or co-polymer plastic cable housing liner.
- Spectra® requires custom tie-on fittings and cannot be swaged.

APPLICATIONS:

- Trans-radial and trans-humeral limb absence.
- Children, adolescents and adults.

SPECIFICATIONS

Tensile strength:

Spectra 400 ULTRA: Approximately 400 lbs.

Color:

400 ULTRA: Black

Spectra® Cable Hanger

SPECIFICATIONS

Product Code: ASPCH1M ASPCH2

Web width: ¾ or 1 in. ½ in.

Thickness: 0.06 in. thick stainless steel

Width: 1.125 in. wide 0.75 in. wide

- ASPCH1M is tight on some dacron webbing. TRS suggests PolyPro webbing.



ASPCH1M



ASPCH2

Spectra Ball Fittings

SPECIFICATIONS

- Stainless steel, 1 in. long.

Product Code: ASPCB2 ASPCB3 ASPCB1
Models: 9/32" D. BALL 9/32" D. SOLO BALL 3/16" D. BALL
 (Fillauer®- Hosmer® Dorrance® products) (TRS product Application)

ASPCB2



ASPCB3



ASPCB1



Spectra® Cable Adapter and Hanger Fitting Instructions



SPECTRA® INSTALLATION AND ATTACHMENT HINTS

Spectra® is a super tough, ultra high molecular weight polyethylene fiber. It is very slippery and does not cut easily. Use a razor blade. Apply "Super Glue" to a small area of the Spectra® then stretch it. Allow the glue to "set/dry" then cut it. This will provide a cleaner cut. Angle cutting the Spectra® will provide a better leading edge.

Spectra® Must be used in a teflon or plastic liner.

Pull the Spectra® into and through a teflon or plastic liner using a vacuum pump's suction or by using a thin piece of piano wire looped over and glued to Spectra®. The vacuum pump technique works the best however.

Weave Spectra® and tie onto the special Spectra® fittings according to the diagrams illustrated above. Spectra® will take approximately a 1/2 inch knot set, i.e., it will provide you with a 1/2 inch more cable length as you set or tighten the knot. Take this into consideration if the length is critical. add a drop of super glue to the knot once it is tightened as this technique will help prevent the knot from getting loose trim off excess.