

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**
SPECTRA 400 ULTRAW

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

400 ULTRAW: White.

Spectra® Cable Hanger

SPECIFICATIONS

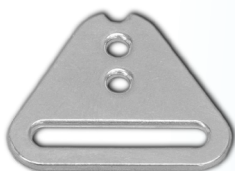
Product Code: **ASPC H1M** **ASPC H2**

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.



ASPC H1M



ASPC H1M

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

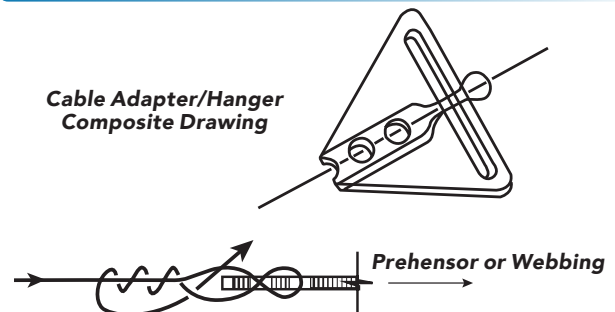


ASPCB1



Spectra® Cable Adapter and Hanger Fitting Instructions

Cable Adapter/Hanger Composite Drawing



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.