## 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:

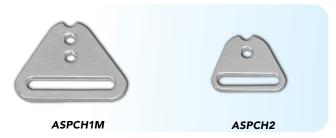
400 ULTRA: Black

# Spectra® Cable Hanger

## **SPECIFICATIONS**

<b>Product Code:</b>		ASPCH1M	ASPCH2
	Web width	<sup>3</sup> / <sub>4</sub> 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.

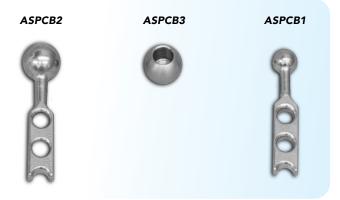


## **Spectra Ball Fittings**

## **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)



# 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 platic 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 lenght as you set or tighten the knot. Take this into consideration if the lenght 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.

Prosthetics Research • Design • Manufacturing • Consulting

