

## **Below Elbow Prosthesis**

A Prosthesis is composed of a number of components that work together as a single device which is specific to each person.

The following is an explanation of each element of the below elbow prosthesis.

**Harness:** Provides suspension for prosthesis, provides control for the terminal device. Comes in a number of styles and configurations.

**Socket:** The socket is used to contain the residual limb (amputated limb), this may also contain liners to act as padding and provide suspension.

**Triceps Cuff:** Anchor point for control cable, attaches to harness.

**Elbow Hinges;** Used to provide suspension for prosthesis.

**Control Cable:** Runs from harness to terminal device. Allows opening and closing of terminal device.

**Wrist Unit:** Used to connect the socket to the terminal device. May come in a number of configurations.

**Terminal Device:** Comes in the form of a mechanical hand or hook, many models available.

**Exoskeletal Finish:** Covers entire prosthesis protection internal components from moisture, dust and dirt.

**Prosthetic Socks:** Used to adjust fit of prosthesis, absorb perspiration and provide padding with in the socket. These come in different thicknesses called plys.

**Prosthetic Sheaths:** Nylon sheaths provide a moisture barrier and control friction between the skin, the sock and the prosthesis.

**Shrinker Socks:** Help reduce swelling and volume of residual limb on a daily basis and are used for shaping before prosthetic fitting.

**Suspension:** Used to hold the prosthesis onto the body. Can be obtained by straps, liners, sleeves or suction and may require additional components such valves, clutches and ICE ROSS (Icelandic Roll On Suction Socket).

