



## ABOVE KNEE PROSTHESIS

### **SUSPENSION**

Suspension refers to the manner in which the prosthesis is attached to your residual limb. It plays a very important role as it provides you with sense of security and allows you to walk with confidence. The residual limb length, size, and skin condition will influence the type of suspension required to achieve a comfortable and safe suspension.

#### **Different suspension methods**

- Pin with a Locking liner
- Seal in liner with expulsion valve
- Elevated vacuum



### **SOCKET DESIGN**

The prosthetic socket is the device that joins your residual limb (stump) to the prosthesis. The socket is custom-designed and manufactured, according to the condition and shape of the residual limb. It is vitally important to have a well fitted socket that evenly distributes weight across the entire surface of the residual limb.

Designing and manufacturing a well-fitting socket is the most difficult part of a prosthetist's job, and we are constantly working on improving our knowledge and skill in socket design.