

# Zip Wear

*Zippered inseams for residual limb access*



## Client

**Name:** Bob

**Age:** 60

**Occupation:** Realtor

Bob is a **60 year old realtor** whose **type 1 diabetes** has caused poor circulation and reduced sensation in his lower extremities. A few years ago, he developed sores on his foot that resulted in complications, and ultimately his **left leg being amputated below the knee**. He now uses a prosthetic leg to be ambulatory. This decreased sensation and blood flow puts Bob at risk for developing additional sores. It is imperative that he is able to **frequently access his residual limb** in order to monitor for skin irritation. Skin irritation is often a precursor to the development of sores.

## Design criteria

- Allow access to residual limb for monitoring
- Be applicable to professional clothing
- Be easy to use

## Design Solution

Zip Wear pants have an **invisible zipper** sewn into the **inseam**. This alteration modifies Bob's environment to enable him to better manage his health and prosthesis, which enables him to continue his passion of working as a realtor.

- Easy access to residual limb
- Alteration can be applied to almost any pants

