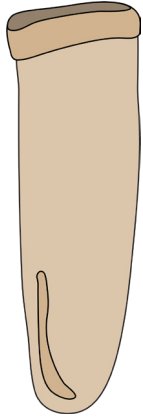


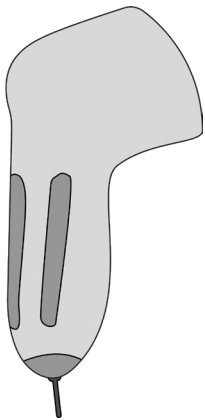
# How a Prosthesis is Held to the Limb

There are several ways the prosthesis can be held to or suspended from the limb. Your prosthetist will discuss with you which method is most appropriate for your needs.



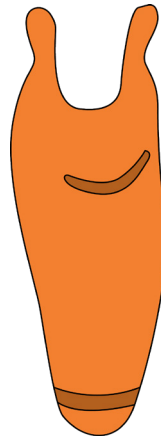
## SUCTION SUSPENSION

A gel liner is rolled onto the residual limb and a gel sleeve is pulled around the prosthesis and the thigh, holding the prosthesis in place. A suction valve, attached to your socket, allows air to flow out but not in, creating a seal around the limb for suspension. In some cases, a vacuum pump is added to help manage changes to your limb volume.



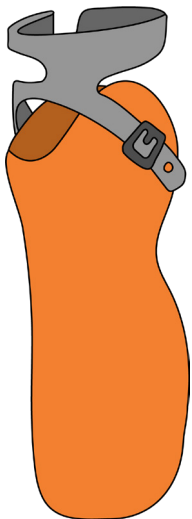
## PIN LOCKING SUSPENSION

A gel liner, which includes a pin attachment at the very end, is rolled onto the residual limb. As you put on the prosthesis, a mechanism at the end of the socket locks onto the pin, holding the prosthesis on the limb. The lock will not disengage until a release button is pushed.



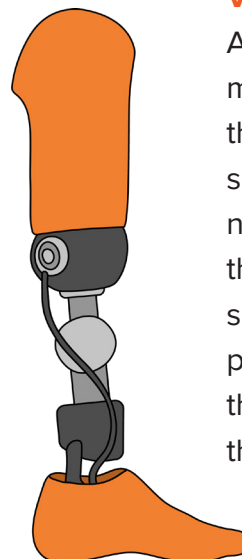
## SUPRACONDYLAR SUSPENSION

Less commonly, prosthetic sockets can be suspended using the anatomy of the limb.



## STRAPS

A leather or nylon strap attached to the prosthesis wraps around your lower thigh to hold the prosthesis on.



## VACUUM SUSPENSION

A system where a mechanism or pump pulls the air out of the prosthetic socket, generating a negative pressure that is the same across the whole surface; this negative pressure pulls the liner and the residual limb towards the inner socket wall.



For more resources on adjusting to life with limb loss, scan the code or visit [HangerClinic.com/LimbLoss](https://www.hangerclinic.com/LimbLoss).

 Hanger Clinic **EmpoweredCare**

(09/23) ©2023 HANGER CLINIC