

## Polycentric Knee

The polycentric knee is designed to have more than one axis of rotation to better simulate the anatomy of the human knee. This type of knee has greater mechanical stability than the single axis knee. Its design creates varying stability throughout the gait cycle, creating greater mechanical stability at heel strike and less stability at toe-off to ease the transition to swing phase. Because of the design, the shank of the prosthesis shortens as the knee bends, allowing better cosmesis (appearance) during ambulation (walking) and while seated.



Photo courtesy of Cascade