

## EMS SOCKET DESIGN & FEATURES

1. Accommodates the physiological shape changes that take place during flexion and extension of the knee.
2. Increases the surface area of the flexible inner socket by 100% due to the multi-surfacing.
3. The multi-surfacing also increases the linkage or connection between the residual limb and socket by 400%.
4. Greatly improves proprioception and control of prosthesis during all phases of gait.
5. Reduces sweating by minimizing high/low pressure differences due to it's compliant variable response capability.
6. Both its inner and outer sockets are dynamic in nature thereby accommodating shape changes that are taking place during prosthetic usage.
7. Forces are disseminated over broad compliant surface area thereby reducing high peak pressure loads that are common in standard sockets.
8. The EMS flexible inner socket is a custom manufactured injected molded elastomeric urethane. Because of this process it allows for an infinite variety of custom features.