



3K50

Lightweight pneumatic knee joint with dual valve & multi-axial

The balance between static stability and dynamic flexibility provides the user with a comfortable, smooth and natural gait. The joints are lightweight, which reducing the consumption of the patient's moving energy, and the flexion angle is large, which providing greater convenience and comfort for the user in walking and squatting.

双调阀多轴轻便气压膝

静态稳定性和动态灵活性之间的平衡，为用户提供舒适、和谐自然的步态。关节轻便，减少了患者活动体能的消耗，大屈曲角度，为用户提供者在行走及下蹲中提供了较大的方便及舒适性。



主要特点和优势

- 伸展/屈曲双调节气压系统，可根据使用者的步行需要，改变步速，步行时自然平滑。
- 膝关节的摆动与弯曲贴近于人体膝关节功能，使步态较为自然。
- 膝关节采用仿人体膝关节锁定功能，使患者在行走时假肢膝关节能像人体膝关节一样在脚跟着地期与支撑期确保安全。只有在脚掌蹬离期时，膝关节模拟人体膝关节生理功能轻松自然的解锁屈膝行走。
- 多轴膝关节设计在步行支撑期时转动轴承载力的均衡分配，大大延长了关节体的使用寿命。
- 全密封滚针轴承膝关节的精密制造设计，区别于目前市场上的滚珠轴承或轴套式设计。
- 人性化大屈膝角度设计，给使用者提供了方便，屈曲角度约160度。
- 承载重量125公斤以下截肢患者。

- Dual valve extension and flexion pneumatic system will change the speed of walking by the users' needs with a smooth and natural gait.
- The swing and flexion of knee joint is similar to human knee joint , which provides a natural gait.
- Incorporates a unique knee joint locking function imitating the human knee joint to ensure that the prosthetic knee operates safely in heel strike phase and stance phase like a human knee. In toe off phase, the prosthetic knee can imitate the human knee function to unlock the knee joint and walk easily and naturally with knee flexion.
- Multi-axial knee joint design to achieve balanced load break for the rotary bearing in the stance phase and substantial increase in service life of the knee joint body.
- Differentiated full-sealed needle bearing knee joint design that differs from the conventional ball bearing or bushing design currently available on the market.
- Big flexion angle design providing more convenience for the users. Flexion angle about 160 degrees.
- Applicable to weight limit of 125kg.



弯曲角度160°
Large 160° flexion range

伸展/屈曲双调节气压系统
External high power pneumatic cylinder



四棱锥接头
Pyramid adapter

产品信息

● 总长度:190mm	● 产品重量:650g
● 航空合金材质	● 体重上限:125kg
● 弯曲角度:160°	

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