The Tractable Talus Prosthetic Ankle

Walk with ease for a fraction of the price.

The Tractable Talus: An affordable, highly effective prosthetic ankle.

The Tractable Talus is a novel ankle prosthesis that is incredibly inexpensive to manufacture, and works as well or better as the high end prosthetics currently on the market. Recent tests have shown that the Tractable Talus has an identical rate of rise value when compared to a K4 prosthesis, moves well laterally, and is highly efficient in initiating gait. What makes the device unique is the incorporation of an ankle joint system in conjunction with a network of varying-resistance cantilever springs. The springs are able to absorb forces experienced during walking while allowing for modular movement. Furthermore, the Tractable Talus is made from aluminum and aluminum-bronze components, making it extremely lightweight, while the addition of a male pyramid mounting system gives the option to link the device to existing prosthetic devices.

Benefits
- low cost ($500 to produce)
- lightweight
- adapts to different users
- allows for sufficient lateral motion
- allows for walking on all terrain with little resistance

Features
- lightweight aluminum and aluminum-bronze components
- varying cantilever springs paired with a joint system offer varying resistances based on a patient's weight and preferences
- attachable to all prosthetic devices via a male pyramid mounting system

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Patent Pending