

# BioDAPT

PERFORMANCE PROSTHETICS AND ADAPTIVE EQUIPMENT

# Moto Knee



2016 CATALOG

Made in the USA 

# Moto Knee

## Features:

The Moto Knee was developed to be a specific high impact, durable and highly adjustable knee system that outperforms anything like it. During flexion and extension of the knee, the shock, air spring and patented linkage system control the resistance and the speed at which it moves (both can easily be adjusted for different activities). This combination of features is what gives the Moto Knee a truly natural feel in the dynamic activities it's used for. The key features that make this unique are listed below:



Patented linkage to allow up to 135 degrees of flexion while still keeping a natural feel throughout the range of motion.  
(US Patent 7,981,164 B1)



Optional settings to change flex and resistance range.

Interchangeable parts to allow variable motion/resistance ratios throughout flexion.  
(Roller Guides)

Durable construction to withstand the high impacts from action sports.

Adjustable socket stop/bumper to prevent socket damage.

Adjustable extension assist and hydraulic dampening that compares to quadriceps function during knee flexion. This is accomplished by the use of the highest quality custom **FOX DHX Air Shock**.

Very unique and tough robotic look!

Corrosion resistant parts for use in and around water

# Moto Knee



**Part # and Description**

**MK55KT-DR** (Dual Rate Roller Guides installed)

**MK55KT-STR** (Straight Rate Roller Guides installed)

The **Moto Knee Kit** includes the following items:

- Durable Pelican brand carrying case to hold the knee, tool kit and up to two different feet
- 30mm aluminum pylon 10" length
- Stainless steel tube clamp
- Multi-tool for making adjustments
- Air pump to make adjustments to the shock.
- New for this year, we are including the optional Roller Guide Set



**RG55-DR**

**Dual Rate Roller Guide**– This is the common option for most activities. The dual rate design gives the knee a softer resistance for the first 15 degrees and gets more progressive from there. This feature gives the user more control over the initial movement of the knee flex.



**RG55-STR**

**Straight Rate Roller Guide**– This option gives the Moto Knee more resistance from the initial knee flex compared to the dual rate. This feature makes the knee more stable at full extension. This option is most commonly used for down hill skiing.



**AP300**

**Air Pump 300 PSI**– Air pump for making adjustments to the Moto Knee (and Versa Foot). 300 psi max pressure.



**Additional Adapters**

We can also order additional adapters on request. For Example: Pyramid, Pyramid receivers, Tube clamps, Titanium, low profile, offset etc.. (we order these parts through American Prosthetic Components) Call or email for details.



# Get Out and Live Life! with the **Moto Knee**

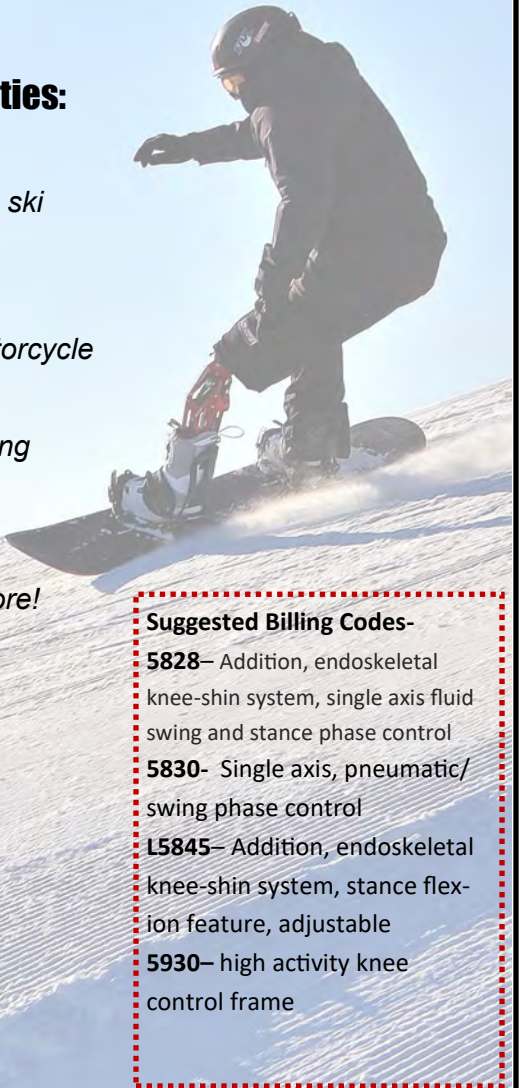
## Technical Info:

- Activity Level- Unlimited
- Max Patient weight- 275 lbs.
- Knee Weight- 3 lbs. 12 oz.
- Build Height- 11.5"
- Knee Flexion- Position 1- 130 degrees  
Position 2- 105 degrees

- Four-hole adapter on top of knee frame
- 30 mm pylon clamp on bottom of frame
- 2 Year Limited Warranty on knee frame and components
- Knee kit comes with durable carrying case, pylon, pylon clamp and multi-tool to make adjustments

## **Possible activities:**

- Snowboard
- Alpine/Nordic ski
- Snowmobile
- Cycling
- Off-Road Motorcycle
- ATV
- Weight Training
- Equestrian
- Water Sports
- And Much More!



**Suggested Billing Codes-**  
**5828**— Addition, endoskeletal knee-shin system, single axis fluid swing and stance phase control  
**5830**- Single axis, pneumatic/ swing phase control  
**L5845**— Addition, endoskeletal knee-shin system, stance flexion feature, adjustable  
**5930**— high activity knee control frame



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