

M0790 MCK (Motion Control Knee)

New Technology in hydraulic knees

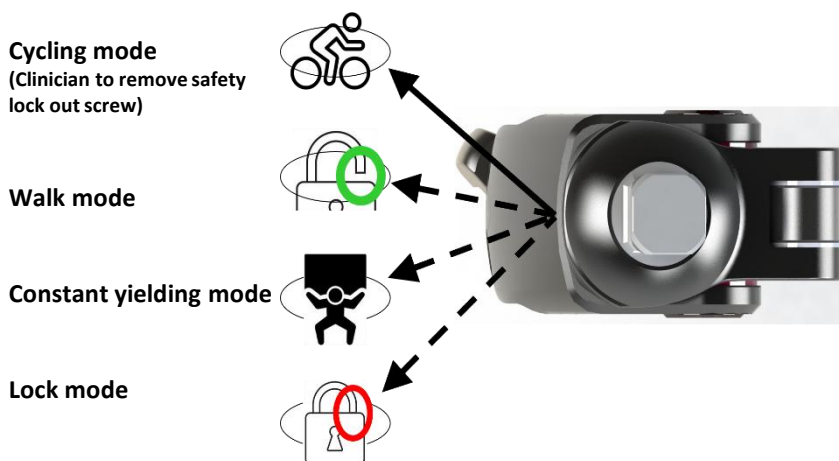
This NEW knee works *with* the wearer while walking.

The M0790 Motion Control Knee with hydraulic Stance and Swing control, has easy activation with normal walking. The MCK activates hydraulic yielding depending on the positional attitude of the knee. Yield is activated while the knee is in a posteriorly leaning position, even while in the air walking over an obstacle. When the knee leans anteriorly, as the wearer walks and goes into pre-swing, the yielding will then release in preparation for swing. The yielding will still be activated with stair stepping or decline activities while the knee flexes and goes into an anteriorly tilted position as long as the yielding has been activated. Stance flexion is also provided as the wearer goes into loading response while walking.

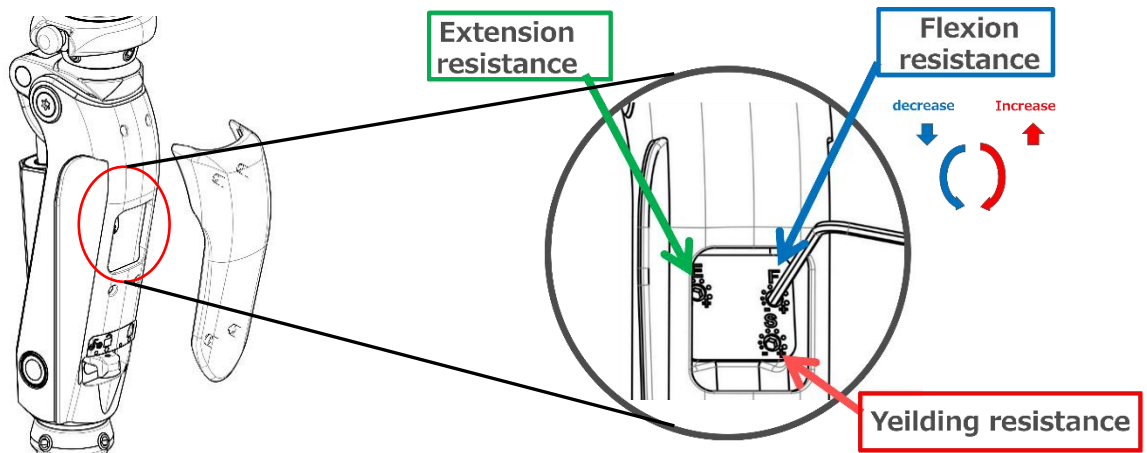
The 4 modes are easily manually switchable and located conveniently at the front of the knee. A removable knee pad reveals the Stance, Flexion, and Extension hydraulic adjustments. Independent Swing and Stance hydraulic control

- Stance and Swing Extension progressively increases in damping from the last 10 degrees of extension
- 4 selectable modes – cycling, walk, constant yield, lock
- Best suited for K3
- Extension assist

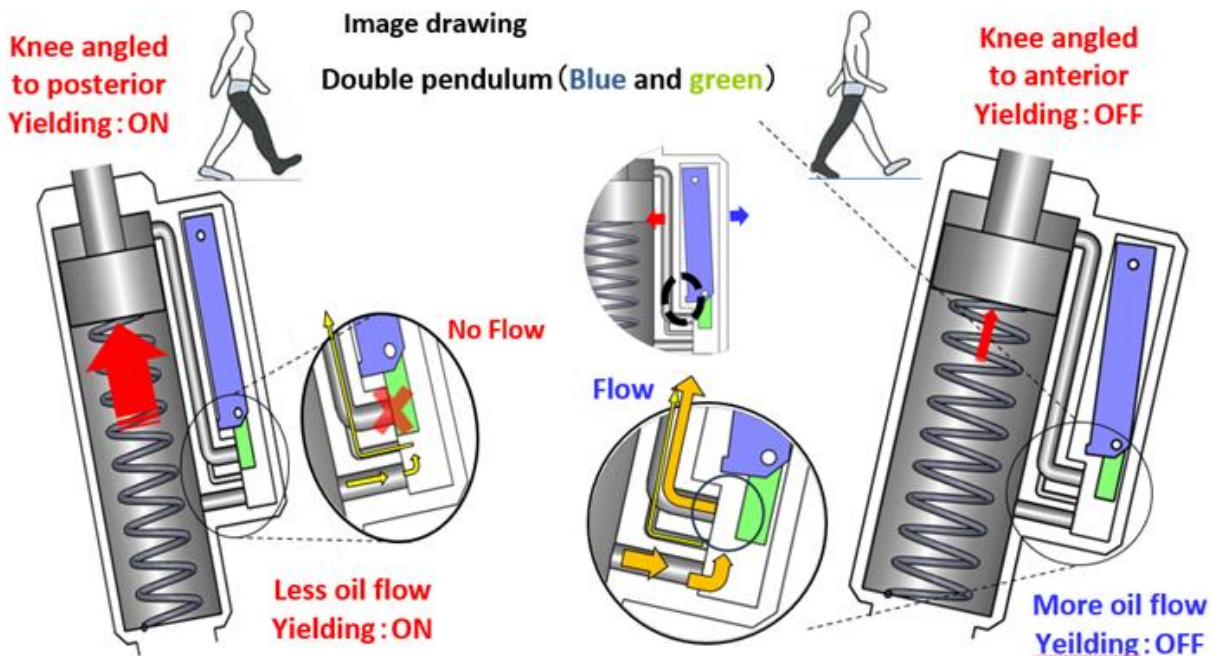
PDAC Approved HCPCs – L5828 + L5850 + L5925



P/N	M0790 MCK
Weight Limit	100kg/220lbs
Build Height	178mm / 7 in
Knee Center to Top	19mm / 0.75 in
Knee Flexion	150 Degrees
Product Weight	940g
Material	Aluminum
Warranty	2 year



Convenient hydraulic control adjustments for Swing and Stance functions accessed by removal of the snap on knee pad



New patent pending technology

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The MCK has a position and flow dependent Pendulum Valving system. When the knee is tilted in a posterior attitude, the valve closes – similarly to swinging the leg out to make heel contact. When the knee is tilted in an anterior attitude, the valve opens.

When the hydraulic flow is restricted in yield, the knee is able to go into an anterior tilted attitude and still maintain a closed valve with the yield continuing to provide support, as in stepping down stairs, or declines, or trails as long as there is adequate weight to maintain hydraulic pressure.

