# SLK™
# MULTI-MATRIX 2.5
## *Self-Learning Knee*

### #:TGK-5PS0SLKMTX

## Benefits:
- High, Polycentric Toe-Clearance in Swing
- Ultra-light Graphite Construction
- Precise Adjustability of Stance Flexion
- **Custom-ICR™** Adjustment
- Trouble-Free Zero Maintenance
- Smooth Pneumatic "Hydraulic-like" Swing
- Proven Durability & Dependability

## What is a Matrix?
A Matrix is a self-learning program. The Microprocessor of the SLK Multi-Matrix is pre-programmed with 5 different Matrices. Each Matrix is configured to match the needs and capabilities of Amputees with different weight, activity, and limb lengths profiles. All that is required to program the Multi-Matrix is to select the Matrix that best matches your Patient using the Bluetooth Remote. No computer is required!

## A Tired Amputee is an Unsafe Amputee
Many Transfemoral Patients experience fatigue at some point in their day, affecting their strength to control stability while walking. Any Hydraulic knee system requires high amounts of energy to initiate the swing phase of gait. The many steps in a day accumulate to the point of excessive fatigue. The SLK Multi-Matrix's advanced Pneumatic system requires almost zero energy to initiate swing, keeping your Patient safer all day!

**Bluetooth Remote:** Enter Desired Matrix, Monitor Battery Charge Level, Adjust Resistance in Manual Mode.

## Approved L-Codes*:  `L5856`  `L5828`  `L5845`  `L5848`

## Specifications:

| | | |
|---|---|---|
| Indication | Functional Level K3/K4, Transfemoral or Hip Disarticulation | |
| Item Weight | 38.6 oz | 1095 g |
| Weight Limit | 275 lb | 125 kg |
| Pylon Diameter | 30 mm | |
| Maximum Flexion Angle | 140° | |
| Warranty | 2 year | Optional 5-year Available |

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## MATRIX **1** PATIENT PROFILES

| WEIGHT (lb) | ACTIVITY | LENGTH |
|---|---|---|
| 220-275 | SELECT MATRIX 3 | |
| 180-220 | LOW | M to L |
| 140-180 | LOW | ALL |

### MATRIX 1 - EXT./FLEX RESISTANCE MATRIX

| IMPACTION* | 0.0-0.3 | 0.3-0.6 | 0.6-0.65 | 0.65-0.7 | 0.7-0.8 | 0.8-0.9 | 0.9-1.0 | >1.0 |
|---|---|---|---|---|---|---|---|---|
| <40 | 1 | 2 | 3 | 3 | 4 | 4 | 5 | 5 |
| <80 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 |
| <120 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 6 |
| <160 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 |
| ≥160 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 7 |
| **GAIT VELOCITY m/s** | SLOW | | | MODERATE | | | FAST | |

## MATRIX **2** PATIENT PROFILES

| WEIGHT (lb) | ACTIVITY | LENGTH |
|---|---|---|
| 220-275 | SELECT MATRIX 3 | |
| 180-220 | LOW | SHORT |
| 140-180 | LOW | LONG |

### MATRIX 2 - EXT./FLEX RESISTANCE MATRIX

| IMPACTION* | 0.0-0.3 | 0.3-0.6 | 0.6-0.65 | 0.65-0.7 | 0.7-0.8 | 0.8-0.9 | 0.9-1.0 | >1.0 |
|---|---|---|---|---|---|---|---|---|
| <40 | 1 | 2 | 3 | 3 | 4 | 4 | 5 | 6 |
| <80 | 2 | 3 | 3 | 3 | 4 | 5 | 6 | 6 |
| <120 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 7 |
| <160 | 4 | 5 | 5 | 5 | 6 | 6 | 7 | 8 |
| ≥160 | 5 | 5 | 6 | 6 | 6 | 7 | 8 | 8 |
| **GAIT VELOCITY m/s** | SLOW | | | MODERATE | | | FAST | |

## MATRIX **3** PATIENT PROFILES

| WEIGHT (lb) | ACTIVITY | LENGTH |
|---|---|---|
| 220-275 | MODERATE | SHORT |
| 180-220 | MODERATE | S to M |
| 140-180 | MODERATE | LONG |

### MATRIX 3 - EXT./FLEX RESISTANCE MATRIX

| IMPACTION* | 0.0-0.3 | 0.3-0.6 | 0.6-0.65 | 0.65-0.7 | 0.7-0.8 | 0.8-0.9 | 0.9-1.0 | >1.0 |
|---|---|---|---|---|---|---|---|---|
| <40 | 2 | 2 | 3 | 4 | 5 | 5 | 6 | 7 |
| <80 | 2 | 3 | 3 | 5 | 5 | 6 | 6 | 7 |
| <120 | 3 | 4 | 5 | 5 | 6 | 6 | 7 | 8 |
| <160 | 4 | 5 | 5 | 6 | 7 | 7 | 8 | 8 |
| ≥160 | 5 | 5 | 6 | 6 | 7 | 8 | 8 | 8 |
| **GAIT VELOCITY m/s** | SLOW | | | MODERATE | | | FAST | |

## MATRIX **4** PATIENT PROFILES

| WEIGHT (lb) | ACTIVITY | LENGTH |
|---|---|---|
| 220-275 | MOD/HIGH | M to L |
| 180-220 | MOD/HIGH | LONG |
| 140-180 | MOD/HIGH | M to L |

### MATRIX 4 - EXT./FLEX RESISTANCE MATRIX

| IMPACTION* | 0.0-0.3 | 0.3-0.6 | 0.6-0.65 | 0.65-0.7 | 0.7-0.8 | 0.8-0.9 | 0.9-1.0 | >1.0 |
|---|---|---|---|---|---|---|---|---|
| <40 | 3 | 4 | 4 | 5 | 5 | 6 | 7 | 7 |
| <80 | 4 | 4 | 5 | 5 | 6 | 7 | 7 | 8 |
| <120 | 4 | 5 | 6 | 6 | 7 | 7 | 8 | 8 |
| <160 | 5 | 5 | 6 | 6 | 7 | 8 | 8 | 8 |
| ≥160 | 5 | 6 | 7 | 7 | 8 | 8 | 8 | 8 |
| **GAIT VELOCITY m/s** | SLOW | | | MODERATE | | | FAST | |

## MATRIX **5** PATIENT PROFILES

| WEIGHT (lb) | ACTIVITY | LENGTH |
|---|---|---|
| 220-275 | HIGH | ALL |
| 180-220 | HIGH | M to L |
| 140-180 | HIGH | LONG |

### MATRIX 5 - EXT./FLEX RESISTANCE MATRIX

| IMPACTION* | 0.0-0.3 | 0.3-0.6 | 0.6-0.65 | 0.65-0.7 | 0.7-0.8 | 0.8-0.9 | 0.9-1.0 | >1.0 |
|---|---|---|---|---|---|---|---|---|
| <40 | 4 | 5 | 5 | 5 | 6 | 6 | 7 | 7 |
| <80 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | 8 |
| <120 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 8 |
| <160 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 |
| ≥160 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 |
| **GAIT VELOCITY m/s** | SLOW | | | MODERATE | | | FAST | |

*Impaction is an algorithmic representation of velocities in 3 planes.

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