

PRACTITIONER'S MANUAL

DAW Industries

Fearless™ K3

A tough, Variable Cadence 4-Bar ready for even
the most "Fearless" child Amputee!

Stock #: TK-4POC

IMPORTANT:

Adjusting alignment beyond
recommended limits described within will
adversely affect patient's gait, and could
cause premature wear.

HEADQUARTERS:

6610 Nancy Ridge Road
San Diego, CA 92121-2252
Orders: (800) 252-2828 • (858) 622-4962
Fax: (800) 856-8563
www.daw-usa.com

Technical Support
(800) 242-8669

**CENTRAL/EASTERN
DISTRIBUTION CENTER:**
5579-B Chamblee Dunwoody Road
Suite 227
Atlanta, GA 30338-4154
Orders: (800) 824-7192
Fax: (800) 865-8563



Popular Proximal Options

Fearless™ K3

A tough, Variable Cadence 4-Bar ready for even the most “Fearless” child Amputee!

Stock #: TK-4POC

For the active to extremely active child

Benefits:

- ✓ Its 4-Bar function provides high stability in stance and reduces the chance of tripping in swing phase.
- ✓ Separate Pneumatic Extension / Flexion Dampening Adjustments as well as adjustable extension assist provide the practitioner exceptional control of swing phase function.
- ✓ Fully adjustable miniature DAW Pneumatics™ provide higher dampening control with zero maintenance needed.



Sitting position

IMPORTANT:

Read technical information thoroughly before using knee.



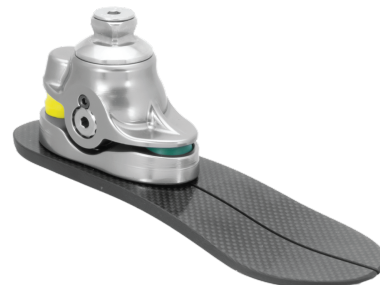
Pediatric Male Pyramid for Knee-Top, Stainless Steel (#: GUPAC-MP1)
Provides Angular & Rotational Adjustment



Pediatric 3-Prong KD Adapter, Stainless Steel (#: GUPAC-F4HLAM)
Provides Rotational Adjustment

Browse our complete selection of Unique Components at daw-usa.com/all-connectors

Recommended K3 Foot



K3 Pro-Action™ Foot

Engineered for the low to moderately active K3 Individual

Provides 3 Dynamic Energy Returning Carbon Keel Options & Multi-Axial Ankle Motion with Rotation.

Suggested L-Codes*: **L5981** **L5986**

*Please refer to the complete reimbursement disclaimer at www.daw-usa.com

Patient Notes

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Popular Proximal Options (inside back cover)

Recommended Order of Adjustments

1. Swing Phase Dampening
2. Extension Assist



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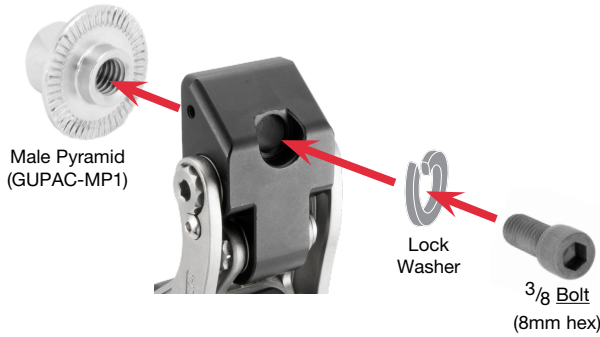
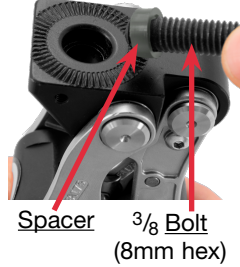
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Pyramid (GUPAC-MP1)

Connection Procedure:

Pediatric weight limit: 121lbs (55kg)

- A. Using the included 3/8 Bolt, remove the black Spacer from the center of the top of the knee.
- B. Flex the knee approximately 90°.
- C. Select your desired degree of external knee rotation. Each groove is an adjustment of 6.7° (360°/54 notches).
- D. Attach the Pyramid (GUPAC-MP1) using the included 3/8 Bolt (8mm hex). **Apply blue Loctite 242 to the bolt and torque to 9ft-lb (12.2Nm).**



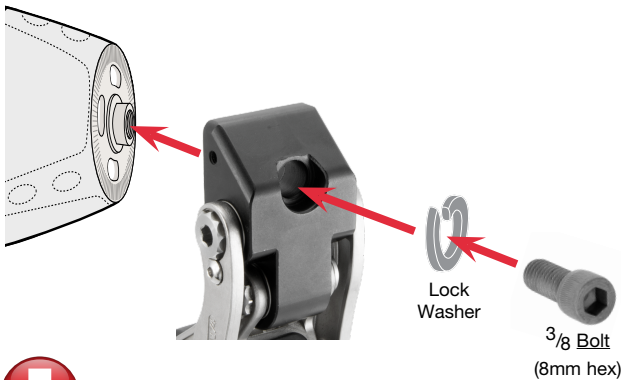
KD Adapter (TSC-KDC-L)

Connection Procedure:

Pediatric weight limit: 121lbs (55kg)

After completing the KD Adapter (TSC-KDC-L) lamination, Complete steps A. through D. from the section above “Pyramid (GUPAC-MP1) Connection Procedure”.

- D. Attach the KD Adapter (TSC-KDC-L) using the included 3/8 Bolt (8mm hex). **Apply blue Loctite 242 to the bolt and torque to 9ft-lb (12.2Nm).**



Patient Notes



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Specifications

Patient profile:

Body weight	Under 121lb (55kg)
Functional level	K3
Amputation level	Transfemoral, Bi-lateral TF and Knee Disarticulation

Knee Specifications:

Stock number	TK-4P0C
Max weight limit	121lb (55kg)
Knee weight	1.15lb (515g)
Proximal connection	Unthreaded single hole for $\frac{3}{8}$ Bolt
Distal connection	22mm tube clamp
Warranty	2 years, upgrade for additional 3 years

Wire Basket (TSC-WB) Connection Procedure:

Pediatric weight limit: 121lbs (55kg)

NOTE: Do not remove the Spacer in the top of the knee

After completing the Wire Basket Adapter (TSC-WB) lamination,

- Flex the knee approximately 90°.
- Select your desired degree of external knee rotation. Each groove is an adjustment of 6.7° (360°/54 grooves).
- Attach the knee to the Wire Basket Adapter using the included $\frac{3}{8}$ Bolt (8mm hex).

Apply blue Loctite 242 to the bolt and torque to 9ft-lb (12.2Nm)



Wire Basket (TSC-WB) with Angular Adjustment Wedges (TWP-C2) Connection Procedure:

Pediatric weight limit: 121lbs (55kg)

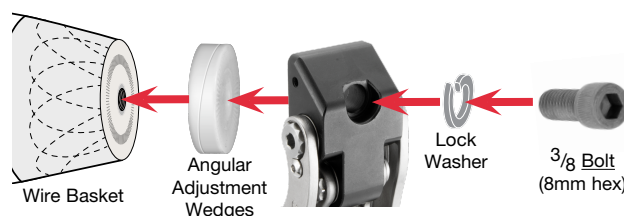
NOTE: Do not remove the Spacer in the top of the knee.

After completing the Wire Basket Adapter (TSC-WB) lamination,

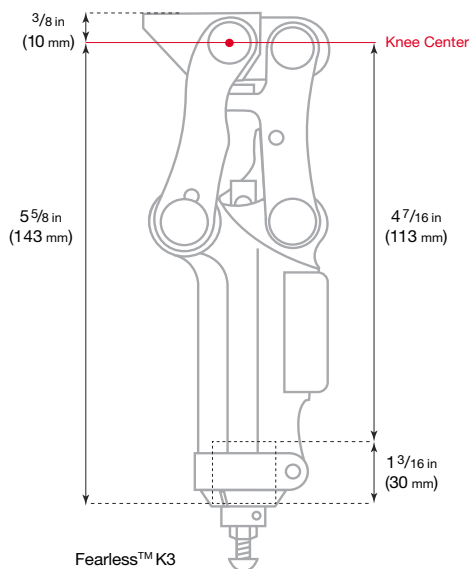
- Flex the knee approximately 90°.
- Select your desired degree of external knee rotation. Each groove is an adjustment of 6.7° (360°/54 grooves).
- Secure the knee and the wedges to the Wire Basket Adapter using the included $\frac{3}{8}$ Bolt (8mm hex). Verify the ridges and grooves have seated properly. **Apply blue Loctite 242 to the bolt and torque to 9ft-lb (12.2Nm)** before walking your Patient.

Adjusting the Wedge Angle:

- Loosen the Bolt (8mm hex) approx. 1 turn **counterclockwise**.
- Insert 3mm or 2.5mm hex keys into the 3mm wide hole of each wedge.
- Rotate 1 wedge at-a-time to adjust your angle. **Apply blue Loctite 242 to the bolt and torque to 9ft-lb (12.2Nm)** before walking your Patient.



BUILD HEIGHT



TORQUE SETTINGS

Important:

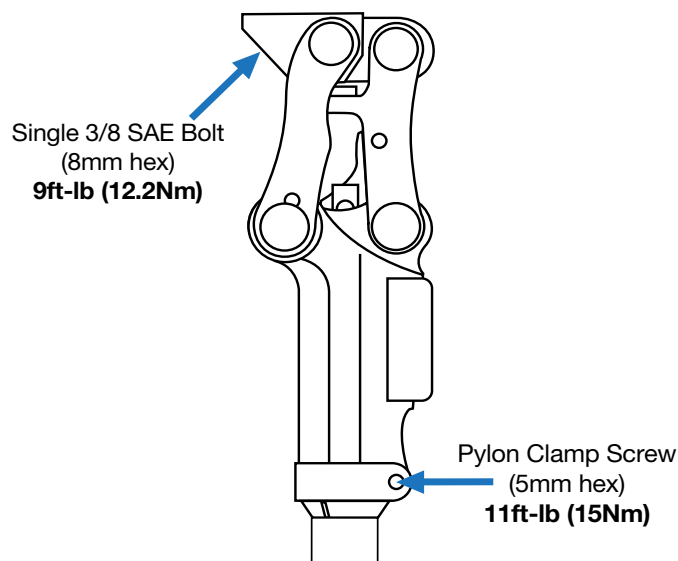
Use blue Loctite™ 242 on all screws referenced here.

It is not recommended to use Ottobock Titanium Pylon.

Do not use a spacer for height adjustment.

Ensure pylon is cut straight.

It is recommended these torques be checked within 30 days and then 6 months after your delivery of this prothesis.



DAW Prosthetic Knee Limited Warranty

The knee comes with a Limited Warranty for 2-years. It covers manufacturer defects (excluding wear & tear). An additional 3 years of warranty coverage can be purchased for +15% of the original cost of the knee. See full warranty statement at:

www.daw-usa.com/practitioner-resources/

Weight limit of this knee is 121lb (55kg)

Bumpers are not under warranty.

Tight screws and a straight cut of the tubing are a must. Not following recommended use of components, including weight limit and alignment, will void the warranty. Make sure to read all instructions enclosed with the knee unit.

All repairs on the knee module must be done by a factory-trained DAW technician. Any disassembly done on the knee during the warranty period(s) will void the warranty (excluding disassembly of the extension spring housing).

Service Under Warranty

For all component repairs call DAW Industries right away. We will ship a replacement knee the same day, which will become your patient's new knee. The replacement component is under warranty for the time remaining on the original component.

The overnight shipping charge will be credited upon receipt of the failed knee component.

Service Outside of Warranty

Knees not under warranty may be repaired by DAW. While any unwarranted knee is being serviced, DAW will provide a rental knee subject to availability. The DAW rental fee is listed in the price list under each knee. The rental fee covers the period DAW takes to complete the repair with ten (10) days allowed for shipping in both directions. The same rental fee will be charged every 30 days passed the initial rental fee period.

For any repair you must first contact our Technical Services at 1(800)242-8669. This will allow DAW to best understand the issue. Our Technical Support will immediately assess if the repair qualifies as a "minor" or "substantial" repair. A "minor" repair will be completed, as a courtesy, free of charge (you will just pay for return shipping). A "substantial" repair will be billed at a flat rate according to knee model. Upon return of your repaired knee, you will be invoiced for the repair charge, if any. When DAW receives the rental knee, your account will be credited for the value of the returned knee (Gold Preferred+ = FREE rental; Preferred = 33% off).

In the event your knee is unreparable, you will be notified immediately. The rental must then be returned to DAW, 2nd day, within five (5) working days. The rental fee may be applied toward the purchase of a new DAW knee.

Replacing or Trimming the Extension Assist Spring

To replace the Extension Assist Spring:

- Completely remove the Pylon Clamp Screw (5mm hex).
- Remove the pylon.
- Flex the knee to full flexion.
- Using a 8mm wrench, or crescent wrench, twist the Lock Nut ① **clockwise**, the Spring Housing ② will extend out of the knee as you twist the Lock Nut.
- You can now pull the Spring ③ out of the Housing ②.
- Insert your new Spring ③ into the Housing ②.
- Unflex the knee to full extension and return the housing to the knee making sure the groove for the Pylon Clamp Screw lines up properly.

After returning the Pylon. Retighten Pylon Clamp Screw (5mm hex) to **11ft-lb (15Nm)**

To trim the Extension Assist spring:

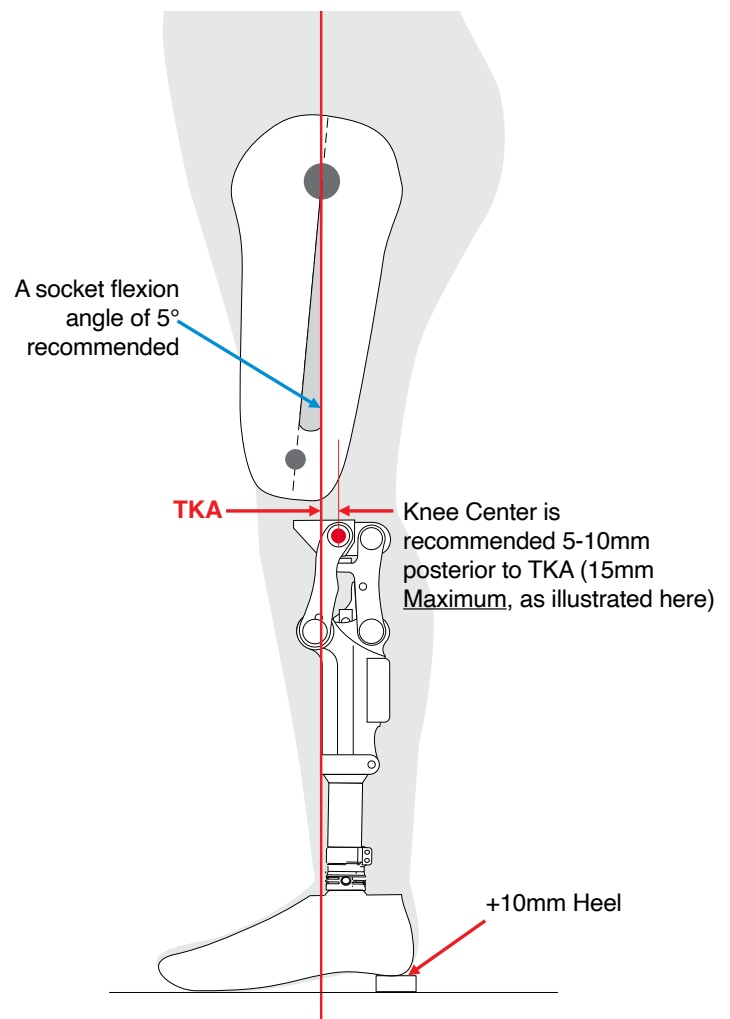
Complete steps A. through E. above

Using a grinding wheel, trim one or two coils (maximum) off one end of the Spring. Smooth the trimmed end. Return the Spring to the housing, **trimmed end down**. Continue with step G. above.



RECOMMENDED BENCH & STATIC ALIGNMENT

Standard alignment procedure must be observed to obtain the maximum benefits offered by this knee. All alignment references should be taken from the center of the anterior superior knee axis (commonly referred to as the Knee Center).



Adjusting Swing Phase (Flexion & Extension Dampening)

Flexion Dampening Adjustment

Resistance to heel rise is accomplished by turning the Flexion Adjustment Screw (3mm hex) located at the posterior surface of the knee. Turn the Flexion Adjustment Screw:

Clockwise to increase resistance.

Counter-Clockwise to decrease resistance.

Extension Dampening Adjustment

Resistance to extension and terminal impact is accomplished by turning the Extension Adjustment Screw (3mm hex).

Turn the Extension Adjustment Screw:

Clockwise to increase resistance.

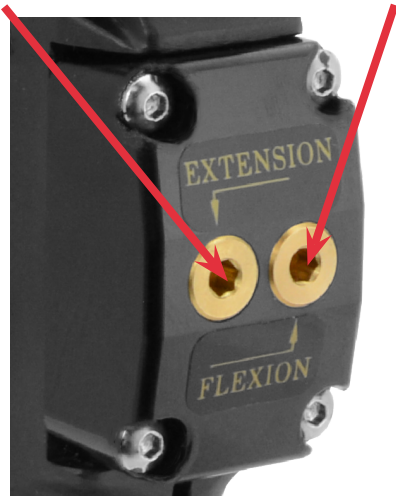
Counter-Clockwise to decrease resistance.

Do all flexion and extension adjustments in 1/4 turn increments

WARNING: Excessive clockwise adjustment of the Flexion or Extension Screws can jam and damage the needle pin, thus eliminating full range-of-motion resistance control.

Extension Adjustment Screw
(3mm hex)

Flexion Adjustment Screw
(3mm hex)



Adjusting Extension Assist

To Adjust Extension Assist:

- Loosen the Pylon Clamp Screw (5mm hex) and remove the Pylon
- Loosen the Lock Nut (8mm wrench)
- Turn the Extension Assist Control Screw (3mm hex):
Clockwise to increase extension assist
Counter-clockwise to decrease extension assist
- Re-tighten the Lock Nut, **Hand Tighten** (8mm wrench). After returning the pylon, re-tighten Pylon Clamp Screw to **11ft-lb (15Nm)**.

