





PRODUCT CATALOG EIGHTH EDITION





PDI - MoreTHAN JUST LOCKS!



We are known throughout the industry for our Practical Elegance, Original Concepts, Clinical Inspiration, Patient Proven Products,

and our Dedication to Unparalleled Customer Service.

Our creative, dedicated staff responds to clinician's needs and ideas to bring them to reality at the patient level.

Our modular, low profile, multi-task components optimize the performance of endoskeletal lower extremity limbs. It has been our mission to fulfill this need and to supply the industry with universal solutions that create flexibility in limb design, high quality socket reproduction and maintain a value in the time vs. material equation.

What makes Prosthetic Design different?

We get our **Clinical Inspiration** through the long hours of challenging patient care which can present the need for a device which does not yet exist. Our relentless endeavor for a solution will often result in an **Original Concept**. After hours of discussion of what could be, dozens of scribbled on sheets of paper evolve into initial CAD drawings, boxes of prototypes, and ultimately into a component of **Practical Elegance**. This device will never reach your patient until it is vetted through a clinical feedback process to become a **Patient Proven Product**.





Elevated Vacuum Locking Systems



SealMate[™] Liners



Attachment Components



Locks, Plunger Pins & Fasteners



Tooling



ELEVATED VACUUM LOCKING SYSTEM

EVLS®

Elevated Vacuum Locking System

EVLS® is Prosthetic Design's modular push shuttle lock that is conducive for use in Elevated Vacuum socket systems. When fit properly into the distal void in the socket, the lock acts as a suspension mechanism, connecting plate and sealing plate that has been designed to hold vacuum levels up to 27inHg. The EVLS allows for the fabrication of a single wall thermoplastic socket or conventional laminated socket with Vivak/PETG

liner. The EVLS comes standard with (1) EVLS Lock, (1) vacuum manifold (EV-MAN) with air fitting (EV-AFNP), (2) Plunger Pins for SealMate™ Liner (EV-XSPP.191) (1) Duck Bill Valve (EV-DBV), (2) tube retainers (EV-RET), (4) M6X35 and (4) M6X60 attachment bolts. The EVLS also comes with 2ft of 1/8" ID vacuum tubing. The EVLS is compatible with all Prosthetic Design, Inc. tooling, including the CFP65-25, FET-KIT and the SSFT.

EVLS-CAUC Elevated Vacuum Locking System – Caucasian **EVLS-BRN** Elevated Vacuum Locking System - Brown

Size: 64mm

Load Rating: K1, K2 & K3 < 150kg (330), K4 < 120kg (264lbs) Weight: EV-X-PSH: 130g (4.6oz); EV-MAN: 50g (1.8oz); EV-XSPP.191: 17g (0.6oz)

Suggested L-Code: L5671

U.S. Patent Numbers: 6,361,569 and 6,689,171 For use under U.S. Patent Number: 7.927.377

EVLS®-SM

Elevated Vacuum Locking System Small

EVLS is Prosthetic Design's 55mm diameter X-SM modular shuttle lock that is conducive for use in High or Elevated Vacuum socket systems. When fit properly into the distal void in the socket, the lock acts as a suspension mechanism, connecting plate and sealing plate that has been designed to hold vacuum levels up to 27inHg. The EVLS-SM is designed specifically for amputees with a distal residual limb circumference of 27cm or less. The EVLS-SM allows for the fabrication of a single wall thermoplastic socket or conventional laminated socket with Vivak/PETG liner. The EVLS-SM comes standard with (1) EVLS-SM Lock, (1) Vacuum manifold/4-hole adaptor combination plate (EV-SM-MAN) with air fitting (EV-AFNP), (2) Plunger Pins for SealMate™ Liner (EV-XSPP.191) (1) Duckbill Valve (EV-DBV), (2) tube retainers (EV-RET), (4) M6x25 and (4) M6x10 attachment bolts. The EVLS kit also comes with 2ft of 1/8" ID vacuum tubing. The EVLS-SM is compatible with all Prosthetic Design, Inc. tooling, for 55mm (small) locks, including the CFP57-25, FET-SM-KIT and the SSFT.

EVLS-SM-CAUC Elevated Vacuum Locking System Small – Caucasian **EVLS-SM-BRN** Elevated Vacuum Locking System Small – Brown

Size: 57mm

Load Rating: K1, K2 & K3 < 120kg (264lbs), K4 < 100kg (220lbs) Weight: EV-X-SM: 125g (4.4oz); EV-SM-MAN: 48g (1.7oz); EV-XSPP.191: 17g (0.6oz)

Suggested L-Code: L5671

U.S. Patent Numbers: 6,361,569 and 6,689,171 For use under U.S. Patent Number: 7,927,377



All Elevated Vacuum items are available in 2 colors:

"CAUC" - Caucasian

"BRN" - Brown

EV-AP4

Elevated Vacuum Attachment Plates

EV-AP4 is Prosthetic Design's popular AP4 modular attachment plate redesigned for use with Elevated Vacuum (EV) socket systems. When fit For AK Applications properly into the distal void of the socket, the EV-AP4 acts as a connecting and sealing plate that has been designed to hold vacuum levels up to 27 inHg. The EV-AP4 allows for the fabrication of a single wall thermoplastic socket or conventional laminated socket with Vivak/ PETG liner. The EV-AP4 comes standard with For **BK** Applications (1) EV-AP4, (1) vacuum manifold (EV-MAN) with air fitting (EV-AFNP), (1) Duckbill Valve (EV-DBV), (2) tube retainers (EV-RET) and (4) M6x25 attachment bolts. The EVLS-Kit also comes with 2ft of 1/8" ID vacuum tubing (EV-TUBE). The EV-AP4 is compatible with all Prosthetic Design, Inc. tooling, including the standard AP4 (as a fabrication plate), FET-KIT and the SSFT.

EV-AP4-AK-CAUC Elevated Vacuum Attachment Plates - AK Caucasian EV-AP4-BK-CAUC Elevated Vacuum Attachment Plates – BK Caucasian EV-AP4-AK-BRN Elevated Vacuum Attachment Plates – AK Brown EV-AP4-BK-BRN Elevated Vacuum Attachment Plates - BK Brown

Size: 64mm

Load Rating: K1, K2 & K3 < 160kg (350lbs), K4 < 150kg (330lbs) Weight: EV-AP4: 80g (2.8oz); EV-MAN: 50g (1.8oz)

EVLS® TRAINING CLASS

Elevated Vacuum Locking System Training Class

The Elevated Vacuum Locking System (EVLS®) Training Class allows you to acquire first hand experience with the EVLS system and to better understand its benefits.

Participants enjoy a complimentary breakfast and lunch while learning each step in the fabrication process from casting/measurement to fitting a patient with the finished prosthesis. There will be numerous presenters guiding you though the process, as well as open discussion and Q&A.

Completion of the course will include 8.5 Continuing Education Credits (CEU's). Come, network, and learn how you can better care for your patients with Prosthetic Design.

GETTING STARTED

Register online at least one week prior to the course or call for more information. Fill out the form online and we will contact you for confirmation. We are looking forward to hearing from you and hope you will join us here at Prosthetic Design for a day of discussion and learning.

MORE INFORMATION

Download the EVLS training class flyer from the website for more information. www.prostheticdesign.com/trainingcourses.aspx



Here's what others have said about our classes:

"The presenters did a great job of covering the material and describing the process of patient selection for utilizing the EVLS System. It was best described as 'who isn't a candidate instead of looking for that perfect patient'".

"The class provided a hands-on environment to assist in a Vacuum socket fitting, and taught how to fit EVLS for mainstream patient population"

"I would recommend that all CP and RTOP take this class if they are doing Elevated Vacuum fittings."





ELEVATED VACUUM COMPONENTS

EV-MAN

Manifold with Air Fitting

The EV-MAN provides a means for transferring air out of the socket so that the EVLS® system can interface with mechanical and electronic pumps.

Weight: 50g (1.8oz)

For use under U.S. Patent Number: 7,927,377



EV-MAN-VLV

Manifold with Air Fitting and Valve

The EV-MAN-VLV provides a combination manifold and valve/

release for transferring air bi-directionally through the EVLS and vacuum socket system.

Weight: 50g (1.8oz)

For use under U.S. Patent Number: 7 927 377



Rely on Prosthetic Design for Clinically Inspired, Patient Proven, Original Concepts and Practical Elegance.

EV-GAUGE Vacuum Gauge EV-GAUGE is used for evaluating vacuum level while patient is using Elevated Vacuum Locking System.

EV-BRKT-TEE-CF

Carbon Fiber Pump Bracket

Carbon Fiber Pump Bracket for Otto Bock's C-Leg®





EV-BRKT-TU30-CF

Carbon Fiber Pump Bracket for 30mm Pylon

Carbon Fiber Pump Bracket for 30mm pylon

EV-VPR

VIPER Valve

Vacuum Pressure Relief Valve EV-VPR allows for vacuum pressure regulation when used with a mechanical vacuum pump.

- 20-15inHg
- 15-10inHg
- 10-5inHg



U.S. Patent Pending



EV-XSPP.191

Plunger Pin For SealMate™ Liner

For use under U.S. Patent Number: 7,927,377



EV-ET

Elevated Vacuum Lock Extraction Tool

EV-ET is used to extract Elevated Vacuum lock from the socket.





SEALMATE[™]LINERS



SealMate™ Liners

SealMate[™] Liner distal end mates perfectly to our entire line of Xtreme[®] and Elevated Vacuum Locks. Our SealMate Liner is the industry's first which interfaces perfectly with the modular connectors. It produces an air-tight seal which eliminates voids and provides superior patient comfort. SealMate Liner is designed specifically for use with elevated vacuum. Sizing: Patient circumference taken 50mm (2") from distal.

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SM-25	SealMate Liner 25-28cm (10-11")			
SM-28	SealMate Liner 28-30cm (11-12")			
SM-30	SealMate Liner 30-33cm (12-13")			
SM-33	SealMate Liner 33-36cm (13-14")			
SM-37	SealMate Liner 37-39cm (14.5-15.5")			
SM-39	SealMate Liner 39-42cm (15.5-16.5")			
SM-42	SealMate Liner 42-44cm (16.5-17.5")			
SM-44	SealMate Liner 44-47cm (17.5-18.5")			
SM-47	SealMate Liner 47-51cm (18.5-20")			
SM-51	SealMate Liner 51-53cm (20-21")			
SM-25-M	SealMate Liner with Matrix 25-28cm (10-11")			
SM-28-M	SealMate Liner with Matrix 28-30cm (11-12")			
SM-30-M	SealMate Liner with Matrix 30-33cm (12-13")			
SM-33-M	SealMate Liner with Matrix 33-36cm (13-14")			
SM-37-M	SealMate Liner with Matrix 37-39cm (14.5-15.5")	١		
SM-39-M	SealMate Liner with Matrix 39-42cm (15.5-16.5")			
SM-42-M	SealMate Liner with Matrix 42-44cm (16.5-17.5")			
SM-44-M	SealMate Liner with Matrix 44-47cm (17.5-18.5")			
SM-47-M	SealMate Liner with Matrix 47-51cm (18.5-20")			

SealMate Liner with Matrix 51-53cm (20-21")

Suggested L-Code: L5679, L5673, L5681, L5683

U.S. Patent Number: 6.689,171

SM-51-M



Try these solutions for a low-risk fitting process - providing ease of use for both the patient and the clinician in fitting adjustment. Simple donning and doffing. Perfect for singlewall socket applications...

And remember, for the very best results with these products, take our training class. Call us for details.



Aura™ Locking Seal

The Aura Locking Seal is an innovative, cost effective solution to meet most of your suspension needs. An excellent choice when using expulsion or vacuum, the lightweight design locks firmly against the liner wall for an intimate, secure fit. Measurement:

AK: use the circumferential measurement 1.5"-2" below the lowest socket trimline.

BK: use the circumferential measurement 0.5"-0.75" below the posterior trimline.

Custom Seal height available

PART NUMBER	FITS CIRCUMFERENCE	SEAL HEIGHT FROM DISTAL END
HSSN-2.5-10-4	8-9.5"	4"
HSSN-3-12-5	9.75-11.25"	5"
HSSN-3.5-12.5	11.25-12.75"	5"
HSSN-4-12-5.5	12.75-14.5"	5.5"
HSSN-4.5-14-6	14.5-16"	6"
HSSN-5-14-6	16-19"	6"
HSSN-6-16-6	19-22.25"	6"
HSSN-7-16-6	22.25-25.25"	6"
HSSN-8-16-6	25.25-28.75"	6"
HSSN-9-16-7	28.75-31"	7"







Spacer Plates

Prosthetic Design's Spacer Plates provide the clinician with a modular solution to increase internal distal pressure, decrease internal length of socket, or extend prosthesis total length. Spacer Plates are compatible with standard European 4-hole pattern and constructed of high-strength, lightweight Delrin material.

SPA3 Spacer Plate, 3mm

Weight: 12g (0.5oz) Load Rating: K1, K2 & K3 < 150kg (330lbs), K4 < 120kg (264lbs)

SPA5 Spacer Plate, 5mm

Weight: 13g (0.5oz) Load Rating: K1, K2 & K3 < 150kg (330lbs), K4 < 120kg (264lbs)

SPA10 Spacer Plate, 10mm

Weight: 26g (0.9oz) Load Rating: K1, K2 & K3 < 150kg (330lbs), K4 < 120kg (264lbs)

SPA20 Spacer Plate, 20mm

Weight: 52g (1.8oz) Load Rating: K1, K2 & K3 < 150kg (330lbs), K4 < 120kg (264lbs)









OP1/2-4C4TCF

1/2" Carbon Fiber Offset Plate

The OP1/2-4C4TCF displaces a bottom-loaded connection component by 1/2" (12mm). The carbon fiber offset plate has a hole for plunger pin protrusion, and can interface between most sockets and lower extremity endoskeletal systems that utilize a standard European 4-hole pattern. Includes (2) each M6X10, M6X25 and M6X30 bolts.

1/2" (12mm) offset from socket 1/4" (6.35mm) thick carbon fiber Product Weight: 36g (1.26oz)

Weight Rating: 147kg (325lbs) normal gait activity

Suggested L-Code: L5910 - BK, L5920 - AK

OP3/4-4C4TCF

3/4" Carbon Fiber Offset Plate

The OP3/4-4C4TCF displaces a bottom-loaded connection component by 3/4" (19mm). The carbon fiber offset plate has a hole for plunger pin protrusion, and can interface between most sockets and lower extremity endoskeletal systems that utilize a standard European 4-hole pattern. Includes (2) each M6X10, M6X25 and M6X30 bolts.

3/4" (19mm) offset from socket 1/4" (6.35mm) thick carbon fiber Product Weight: 40g (1.41oz) Weight Rating: 147kg (325lbs) normal gait activity

Suggested L-Code: L5910 - BK, L5920 - AK

OP-FULLCF-LP

1.41" Carbon Fiber Offset Plate

The OP-FULLCF-LP displaces a bottom-loaded connection component by 1.41" (35.81mm). The carbon fiber offset plate has a hole for plunger pin protrusion, and

can interface between most sockets and lower extremity endoskeletal systems that utilize a standard European 4-hole pattern. Includes (2) each M6X10, M6X25 and M6X30 bolts.

1.41" (35.81mm) offset from socket 1/4" (6.35mm) thick carbon fiber Product Weight: 48g (1.69oz) Weight Rating: 120kg (265lbs) normal gait activity

Suggested L-Code: L5910 - BK, L5920 - AK

Check out one of our Training Classes



The Elevated Vacuum Locking System (EVLS*) training class allows you to acquire first hand experience with the EVLS system and to better understand its benefits.

For more information see page 3 of this catalog or download the EVLS training class flyer from the website. www.prostheticdesign.com/trainingclasses.aspx





AD4-SM-TL

Adapter Small Lock to 4-Hole European Pattern

The AD4-SM-TL is a lightweight hard-anodized aluminum plate featuring two distinct hole-patterns, and a large center hole for plunger pin clearance. It is used to interface between the 4-hole pattern of

the X-TI-SM lock, and the standard European 4-hole pattern connector. The AD4-SM-TL bolts to the lock from the outside distal surface of a socket. Includes (4) M6X10 bolts, and (4) M6X14 bolts.

Added Height: 6.5mm (0.25") Weight: 45.4g (1.6oz) Load Rating: 100kg (220lbs)

Suggested L-Code: L5910 - BK, L5920 - AK

AP4

Attachment Plate

Standard European 4-Hole pattern, high-strength, lightweight Delrin attachment plate. AP4 is indicated for suction socket use. Includes (4) M6X25 bolts.

Added Height: 12mm (1/2") Weight: 62g (2.2oz) Load Rating: 160kg (350lbs)



AP4-EXO

Exoskeletal Attachment Plate

The AP4-EXO is manufactured from hard anodized aluminum.

Added Height: 9.58mm (0.38") Load Rating: 120kg (264lbs)



FC15-TD8CFI

15° Carbon Fiber FLEXCON™

FLEXCON** is a modular alternative to labor-intensive laminations for patients with flexion contractures. Made of lightweight carbon fiber, the FLEXCON provides angular compensation for hip flexion contractures and the proper offset to achieve TKA alignment while absorbing shock, conserving energy and normalizing gait.

The FLEXCON is labor-saving,

3/8" thick, hosts the standard European 4-hole pattern, and connects to most popular knee-shin systems.

Weight: 90g (3.1oz)

Offset: 2.07"

Load Rating: K1, K2 & K3 < 120kg (264lbs), K4 < 100kg (220lbs)

Suggested L-Code: L5999

U.S. Patent Number: 6,991,658

FC15-TD10CFI

15° Carbon Fiber FLEXCON™

FLEXCON is a modular alternative to labor-intensive laminations for patients with flexion contractures. Made of lightweight carbon fiber, the FLEXCON provides angular compensation for hip flexion contractures and the proper offset to achieve TKA alignment while absorbing shock, conserving energy and normalizing gait. The FLEXCON is labor-saving, 3/8" thick, hosts the standard European 4-hole

pattern, and connects to most popular knee-shin systems.

Weight: 94g (3.3oz)

Offset: 2.59"

Load Rating: K1, K2 & K3 < 120kg (264lbs), K4 < 100kg (220lbs)

Suggested L-Code: L5999

U.S. Patent Number: 6,991,658

FC15-TD12CFI

15° Carbon Fiber FLEXCON™

FLEXCON is a modular alternative to labor-intensive laminations for patients with flexion contractures. Made of lightweight carbon fiber, the FLEXCON provides angular compensation for hip flexion contractures and the proper offset to achieve TKA alignment while absorbing shock, conserving energy and normalizing gait.

The FLEXCON is labor-saving, 3/8" thick, hosts the standard European 4-hole pattern, and connects to most popular knee-shin systems.

Weight: 97g (3.4oz)

Offset: 3.11"

Load Rating: K1, K2 & K3 < 120kg (264lbs), K4 < 100kg (220lbs)

Suggested L-Code: L5999

U.S. Patent Number: 6,991,658



PYR-SL-CF

Pyramid: Sliding (Carbon Fiber)

The PYR-SL-CF features a 12.7mm (1/2") slide off center, with closed ends on the base and can be oriented for either AP or ML slide. The pyramid component is manufactured in titanium and carbon fiber base is compatible with the European 4-hole pattern. The slide is locked into place by tightening the 4 adjustment set screws on the interfacing connection component. If attaching to a PDI lock, torque the M6 bolts to 12N·m (9ft-lb).

Added Height: 15.10mm (0.59")

Weight: 91g (3.21oz)

Load Rating: K1, K2 & K3 < 120kg (265lbs), K4 < 100kg (220lbs)

Suggested L-Code: L5910 - BK, L5920 - AK

STEALTH360™

Pyramid: Rotating

The STEALTH360™ is a 360° rotating pyramid made of titanium with a base of hard-anodized aluminum. It is compatible with the European 4-hole pattern and the OB harmony system. The rotation is locked into place by tightening the 4 adjustment set screws on the interfacing connecting component, such as Prosthetic Design's PR-SL. If attaching to a Prosthetic Design lock, torque the M6 bolts to 12N·m (9ft·lb).

Added Height: 7.53mm (0.3")

Weight: 59g (2.1oz)

Load Rating: K1, K2 < 120kg (265lbs), K3, K4 < 100kg (220lbs)

Suggested L-Code: L5910 - BK; L5920 - AK

U.S. Patent Number: 6,033,440

For use under U.S. Patent Number: 6,231,618

STEALTH360-TI

Pyramid: Rotating

The STEALTH360-TI is Prosthetic Design's new 360° rotating pyramid made of titanium. It is compatible with the European 4-hole pattern and the OB harmony system. The rotation is locked into place by tightening the 4 adjustment set screws on the interfacing connecting component, such as Prosthetic Design's PR-SL. If attaching to a Prosthetic Design lock, torque the M6 bolts to 12N·m (9ft-Ib).

Added Height: 7.53mm (0.3")

Weight: 59g (2.1oz)

Load Rating: K1, K2 < 158kg (350lbs), K3, K4 < 136kg (300lbs)

Suggested L-Code: L5910 - BK; L5920 - AK

U.S. Patent Number: 6,033,440

For use under U.S. Patent Number: 6,231,618

PYR

Pyramid

The PYR is a titanium pyramid with a through hole compatible with the European 4-hole pattern. If attaching to a PDI lock, torque the M6 bolts to 12N·m (9ft·lb). Its scalloped edges make it a natural for the Otto Bock Harmony* system. Also available in top loaded version – **PYR-TL**.

Added Height: 7.53mm (0.3")

Weight: 55g (1.95oz)

Load Rating: K1-K4 < 136kg (300lbs)

Suggested L-Code: L5910 - BK, L5920 - AK



PYR-SL-R-TI

Pyramid: Sliding & Rotating (Titanium)

The PYR-SL-R-TI features a 12.7mm (1/2") slide off center, with closed ends on the base and can be oriented for either AP or ML slide. The PYR-SL-R-TI also features 360° rotation while offering a low profile of only 16.25mm. This component is manufactured of

titanium and is compatible with the European
4-hole pattern. The rotation is locked into place
by tightening the 4 adjustment set screws on the
interfacing connection component, such as
PDI's PR-SL-TI. Rotation is positively controlled in

 3° increments with the use of interfacing radial serrations. The slide is locked at the same time the 4 adjustment set screws of the interfacing component are tightened. If attaching to a PDI lock, torque the

M6 bolts to 12N·m (9ft·lb).

Added Height: 16.25mm (0.64")

Weight: 150g (5oz)

Load Rating: K1-K4 < 120kg (215lbs)

Suggested L-Code: L5910 - BK, L5920 - AK

U.S. Patent Numbers: 6,033,440

For use under U.S. Patent Number: 6,231,618

PYR-SL-TI

Pyramid: Sliding (Titanium)

The PYR-SL-TI features a 12.7mm (1/2") slide off center, with closed ends on the base and can be oriented for either AP or ML slide. This component is manufactured in titanium and is compatible with the European 4-hole pattern. The slide is locked into place by tightening the 4 adjustment set screws on the interfacing connection component. If attaching to a PDI lock, torque the M6 bolts to 12N·m (9ft·lb).

Added Height: 13.48mm (0.53")

Weight: 123g (4.34oz)

Load Rating: K1, K2 < 120kg (265lbs),

K3, K4 < 100kg (220lbs)

Suggested L-Code: L5910 - BK, L5920 - AK





PR-SL-R-TI

Pyramid Receiver: Sliding & Rotating (Titanium)

The PR-SL-R-TI offers sliding (12mm from center) as well as 360° rotation. The Pyramid Receiver profile of only 30.5 mm. This component is manufactured of titanium and is compatible with the European 4-hole pattern.

The rotation is locked into place by tightening the 4 adjustment set screws on the receiver. The rotation is positively controlled in 3° increments with the use of interfacing radial serrations. The slide function is locked at the same time the 4 adjustment set screws of the receiver are tightened. If attaching to a PDI lock, torque the M6 bolts to 12N·m (9ft-lb).

Added Height: 30.5mm (1.3") Weight: 171g (6.10oz)

Load Rating: K1-K4 <120kg (265lbs)

Suggested L-Code: L5910 - BK, L5920 - AK



Double-Ended Pyramid Receiver Height Adjustable

The Double-Ended Receiver (DEPR-1) component helps achieve an equal limb length without having to change pylons, it is very simple to use and ideal for bilateral amputees. The DEPR-1 is ideal for any patient that may use a higher profile foot height allowing for adjustability below the socket.

6.3mm (1/4") of height adjustment.

Height: 55.6mm (2.19") Weight: 118g (4.2oz)

Load Rating: K1, K2 & K3 < 150kg (330lbs),

K4 < 120kg (264lbs)

Suggested L-Code: L5910 - BK, L5920 - AK

U.S. Patent Pending

TC30-1/2

30mm Tube Clamp 1/2" Adjustable

TC30-1/2 allows 12mm (1/2") of pylon length adjustability. This offers considerable time-savings over the alternative static length adjustment procedures, such as cutting the Pylon, or replacing it. The TC30-1/2 is suitable for all AK and BK definitive endoskeletal applications.

Added Height: 10mm (0.4")

Weight: 119g (4.2oz)

Load Rating: K1-K4 < 100kg (220lbs)

Suggested L-Code: L5910 - BK, L5920 - AK

U.S. Patent Number: 6,994,732





The PDI DEPR-1 Double Ended Pyramid Receiver is ideal for a higher profile foot.

IPOP

IPOP Attachment Plates

Clinically inspired Immediate
Post Operative Plate (IPOP)
features improved straps
that result in superior patient
safety. The straps are easily
field-bendable for on-the-spot
adjustments and contoured to
prevent undesirable loosening.
Rivets that attach the straps to the
base plate protrude circumferentially
to feature and aluminum base plate and
wide, contoured stainless steel straps.

Includes (4) M6X12 screws. IPOP-KIT includes (1) IPOP-S and (1) IPOP-L. The IPOP-S and IPOP-L are also sold separately.

IPOP-L

IPOP-L (Large)

Weight: 189g. (6.7oz) Strap Height: 114mm (4.5")

Load rated to 120kg (264lbs) immediate post operative activity

IPOP-S

IPOP-S (Small)

Weight: 156g. (5.5oz)

Strap Height: 114mm (4.5")

Load rated to 120kg (264lbs) immediate post operative activity

Suggested L-Code:

AK IPOP w/1 change is L5420 AK additional change is L5430 BK IPOP w/1 change is L5400 BK additional change is L5410

For use under U.S. Patent Number: 7,344,567



X-TI-PLUS

Xtreme® Titanium-Reinforced Lock

Xtreme®, titanium-reinforced, push-release, low profile (1/2") suspension lock. Standard European 4-hole pattern. Converts to top-loaded use. Patented 'Guide Grooves' help patient engage plunger pin safely and accurately. 1-year Warranty. Includes (2) X-SPP (plunger pins), (4) M6X25 and (4) M6X20TL bolts.

Weight: 112g (3.9oz)

Load Rating: K1, K2 & K3 < 180kg (400lbs), K4 < 150kg (330lbs)

Suggested L-Code: L5671

U.S. Patent Numbers: 6,361,569 and 6,689,171

X-PSH-PLUS

Xtreme® Lock

Xtreme, push-release, low profile (1/2") suspension lock. Standard European 4-hole pattern. Converts to top-loaded use. Patented 'Guide Grooves' help patient engage plunger pin safely and accurately. 1-year Warranty. Includes (2) X-SPP (plunger pins), (4) M6X25 and (4) M6X20TL bolts.

Weight: 110g (3.9oz)

Load Rating: K1, K2 & K3 < 150kg (330lbs),

K4 < 120kg (264lbs)

Suggested L-Code: L5671

U.S. Patent Numbers: 6,361,569 and 6,689,171

X-PUL-PLUS

Xtreme® Pull Lock

Xtreme, pull-release, low profile (1/2") suspension lock. Standard European 4-hole pattern. Converts to top-loaded use. Patented 'Guide Grooves' help patient engage plunger pin safely and accurately. 1-year Warranty. Includes (2) X-SPP (plunger pins), and (4) M6X20TL bolts.

Weight: 108g (3.8oz)

Load Rating: K1, K2 & K3 < 150kg (330lbs),

K4 < 120kg (264lbs)

Suggested L-Code: L5671

U.S. Patent Numbers: 6,361,569 and 6,689,171



Xtreme® Small Top Loading Lock

The X-SM-TL is a 55mm diameter lock for adult patients with relatively small distal end circumferences, pull release. It is composed mostly of Delrin thermoplastic, with brass reinforcing the plunger pin hole. (4) M6x25mm bolts protrude from the bottom of the lock. The bolt heads are accessed through corresponding holes drilled through the upper housing. A spring-loaded latch locks the plunger pins in place. Installation of this lock and tightening of the bolts is achieved via the inside of the prosthetic socket. 1-year Warranty. Includes (2) X-SPP (plunger pins), and (4) M6X20TL bolts.

Weight: 109g (3.8oz)

Load Rating: K1, K2 & K3 < 120kg (264lbs), K4 < 100kg (220lbs)

Suggested L-Code: L5671

U.S. Patent Numbers: 6,361,569 and 6,689,171

X-TI-SM

Xtreme® Small Titanium-Reinforced Lock

The X-TI-SM a 55mm diameter lock. It is composed of lightweight Delrin Thermoplastic, with titanium reinforcing the plunger pin hole. (4) M6X25mm bolts protrude from the bottom of the lock. The bolt heads are accessed through corresponding holes drilled through the upper housing. A spring loaded latch locks the plunger pin in place. 1-year Warranty. Includes (2) X-SPP (plunger pins), and (4) M6X25TL bolts.

Weight: 109g (3.8oz)

Load Rating: K1, K2 & K3 < 120kg (264lbs), K4 < 100kg (220lbs)

Suggested L-Code: L5671

U.S. Patent Numbers: 6,361,569 and 6,689,171

P-PSH-PLUS

Pro Lock

Pro Lock, push-release, low profile (1/2") suspension lock. Standard European 4-hole pattern. Converts to top-loaded use (order M6X20TL separately). 1-year Warranty. Includes (2) X-SPP (plunger pins), and (4) M6X25 bolts.

Weight: 133g (4.7oz)

Load Rating: K1-K4 < 136kg (300lbs)

Suggested L-Code: L5671

U.S. Patent Number: 6,689,171





LOCKS

SIDEWINDER™

Locking Lanyard

The SIDEWINDER™ is a durable, modular component manufactured in Delrin and aluminum. The lanyard is a high-strength Dacron cord. In addition the lanyard is bonded to a coupler, which attaches to most brands of silicon locking liners. A spring-loaded push button releases the SIDEWINDER's grip on the lanyard when depressed. A built-in retraction system stores the lanyard after the donning loop is pulled and released. The SIDEWINDER attachment pattern is compatible with the standard European 4-hole. Includes (4) M6X25 bolts.

Weight: 165g (4.38oz) Load Rating: 91kg (200lbs)





Locking Lanyard

A combination donning tool and suspension mechanism, the LOCORD™ Locking Lanyard is a durable modular component with a high-strength nylon cord. The lanyard is secured

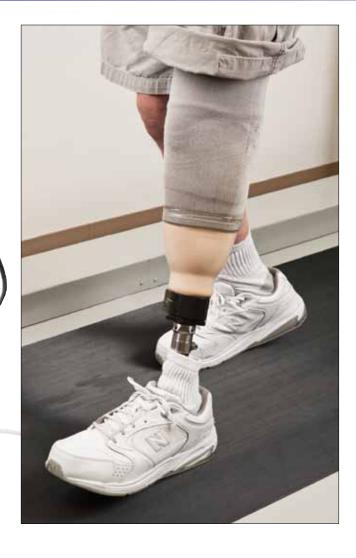
to a coupler which attaches to most suspension liners. A spring-loaded push button releases the LOCORD's grip on the lanyard when depressed. The LOCORD attachment pattern is standard European 4-hole and includes (4) M6X25 screws and (4) M6X20TL screws

Weight: 108g (3.8oz)

Load Rating: K1, K2 & K3 < 150kg (330lbs), K4 < 120kg (264lbs)

Suggested L-Code: L5671

For use under U.S. Patent Number: 8,057,551



PLUNGER PINS & FASTENERS

Plunger Pins

Plunger Pins are made of long-lasting heat-treated 4140 hardchrome-flashed steel, and interface with most popular silicone liners. Barbs give audible indication of

lock/plunger pin engagement.

3/4" Extra Short Plunger Pin X-XSPP

1" Short Plunger Pin X-SPP

X-MPP 1-3/4" Medium Plunger Pin

X-LPP 2-1/2" Long Plunger Pin

Self-Aligning Plunger Pin

Self-Aligning plunger pin. Perfect for patients who have difficulty engaging into lock. Extends the life of the lock. Beneficial to patient during sitting and standing transitions.

Weight: 62g (2.2oz)

Load Rating: 100kg (220lbs)

U.S. Patent Number: 6,589,288

Flat Head Socket Cap Bolt

M6X12	M6X14
M6X18	M6X20
M6X30	M6X35
M6X45	M6X50
	M6X18 M6X30

M6X70 Socket Head Cap Bolt

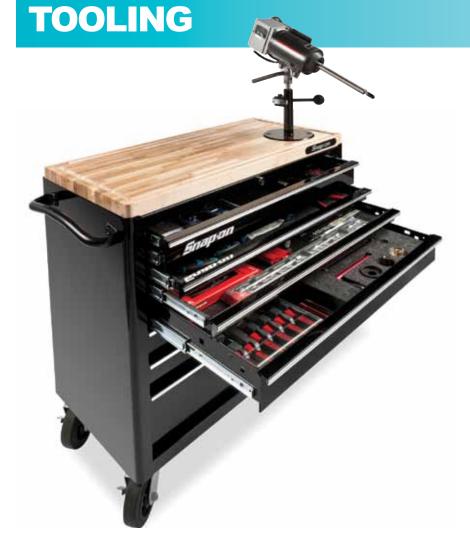
M6X18TL M6X20TL M6X25TL M6X30TL M6X35TL M6X50TL







M6X60



NEXBOX[™]- **FAB**

PDI Nexbox Custom 7-Drawer Fab Station

Never before have logistics and ergonomics come together so well. The NEXBOX™-FAB provides clean tool storage and a sturdy workstation customized for PDI's fabrication tooling. A vise mount on the wood top accommodates the grinder and PDI tooling stands. PDI's exclusive fabrication tools and Snap-On® Tools are included, with easy-to-use organized tool storage. The NEXBOX™-FAB includes many additional tools and supplies compared to the NEXBOX™-SAT.

PHD

Preform Holding Device

This design is ideal for holding and preventing rotation of the Transform during foam extraction. This design clamps onto the lip of the Transform instead of clamping on to the model. Also ideal for holding Transform while cutting the trimline. The PHD will clamp on 16, 18, and 25cm Transforms and is height adjustable from 100cm to 150cm (40-60").





PV

Prosthetic Vise

This ergonomically correct prosthetic working vise has jaws that will accommodate limb diameters from 100mm to 250mm (4 to 10") while preventing the device from slipping. The PV's high friction, material lined jaws are designed to make contact with twice the area as vises with flat jaws. The PV is height adjustable from 100cm to 150cm (40-60").





TOOLING

DLP-KIT

Delrin Laminating Plate

The reusable DLP creates a void in your laminated socket for Xtreme® and Pro Locks while establishing a standard 4-hole pattern, a through-hole for plunger pin insertion, and a parallel distal wall thickness. The DLP has a new push button hole fixture designed to create a relief for the lock push button. This relief can make motorcycling, bicycling, and

horseback riding much safer. Use of the DLP-KIT will prevent lock binding and increase the life of your lock. DLP-SM-KIT is available for small locks.

CFP65-25

Conventional Fabrication Plate

This reusable unit is designed for creating a void in the socket for locks in thermoplastic applications. 65mm diameter plate has a 2° taper for easy removal. (4) Cone point set screws allow the user to mark the 4-hole pattern during thermoforming. A thumbscrew allows for easy tool removal after thermoforming.





FET-KIT

Foam Extraction Tools

This tooling allows for the removal of foam from within thermoplastic sockets cleanly and quickly. Eliminates distortion of hot plastic with compressed air, or skin irritation from grinding. FET-AR-KIT (Foam Extraction Air Ratchet) is available.

For use under U.S. Patent Number: 5,980,803.



FELP-KIT

Foam Extraction Laminating Plate

The FELP-KIT works with Prosthetic Design's Delrin Laminating Plate (DLP-KIT) and the Foam Extraction Tooling (FET-KIT) to establish a 4-hole pattern in laminated socket (foam models only), as well as creating a parallel inner and outer distal surface and a through hole for plunger pin insertion. The FELP-KIT makes extracting the foam from the laminated socket easier and cleaner when incorporated in the FET-KIT (as the instructions below will illustrate). The DLP-KIT and the FET-KIT are required tooling when using the FELP-KIT. FET-AR-KIT (Foam Extraction Air Ratchet) is available.

ADG-KIT

Angle Die Grinder

These durable 22,000 RPM grinders are used as cutting tools for the thermoplastic and laminated socket trimlines instead of cast saws. Includes (1) ADG-CB cutting bit, (1) whiphose and (1) fitting. Order ADG-CBC carbide cutting bit for cutting laminated sockets.



SSFT

Socket Surface Fabrication Tooling

The SSFT was designed to ensure consistent and efficient socket preparation for Prosthetic Design locks.
This kit is essential for creating a 4-hole pattern and perfectly parallel distal socket surfaces. Making the distal surfaces parallel will prevent lock binding conditions.

The SSFT also creates the medial hole to accommodate the lock push button. You can be sure that the medial hole is the correct height and centered with respect to anterior/posterior. Base stand not included.



TOOLING

SHF-KIT

Side Hole Fixture Kit

SHF-KIT is an essential part of Prosthetic Design's fabrication system. The SHF-KIT is designed to aid the technician in accurately positioning the medial lock hole on a thermoplastic or laminated socket.



CHD

Cutting Head Device

Provides a parallel outside surface of the distal end of the socket using a drill press.



CH

Cutting Head

Provides a parallel outside surface of the distal end of the socket.



BMV

Bench Mount Vise

PDI Bench Mount Vise with 6" Handle.



TLRT

Top Loaded Removal Tool

Allows users to remove a top loading lock from the socket after bolt removal. Ball-latch shaft is pushed into the plunger pin hole, and the lock is simply lifted out.



BMV-VISEMOUNT

Vise Mount Post

Prosthetic Design's Stainless Steel Vise Mount Post for Prosthetic Design's Bench Mount Vise.



TLW

Top Loaded Wrench

Allows users to remove PDI's top loaded lock from inside the socket. 17.5" shaft terminates into a 4mm allen wrench. Rubber coated handle.



SILI

Silicone Release Agent

Release agent for thermoplastics on foam models. Each container is 64fl oz (2L)



Prosthetic Design's Online Video Media Library

Take advantage of our online Video Media Library - Informative demonstrations of the proper use of our special tooling. Time-saving tips and practical techniques to help ensure your use of our tooling will provide the desired results.

All you need is to sign up for a FREE account today to immediately gain access to the video library. www.prostheticdesign.com.



TRANSFORMS, CARVE FORMS, TRANSFEMORAL

Transforms

Highest quality thermoplastic product on the market. Industry leader in consistency (40% more consistent than any other preform or cuff on the market!) New design produces stronger, more rigid sockets.

LB	25cm Large Black Transform	MC	18cm Medium Caucasian Transform
LBR	25cm Large Brown Transform	MW	18cm Medium White Transform
LC	25cm Large Caucasian Transform	SB	16cm Small Black Transform
LW	25cm Large White Transform	SBR	16cm Small Brown Transform
MB	18cm Medium Black Transform	SC	16cm Small Caucasian Transform
MBR	18cm Medium Brown Transform	SW	16cm Small White Transform



SIZE	VOLUME (cc)	LENGTH (in)	MAX AP ML (cm)	MAX AP or ML (in)
SMALL	130-160cc	10–12.5"	16cm	6.3"
MEDIUM	230-300cc	12.5–15.5"	18cm	7"
LARGE	600-750cc	15.5–20"	25cm	9.8"

Carve Forms

Prosthetic Design (PDI) originated the concept of lightweight foam blanks with the popular Profiler X Carve Forms. The polyurethane blanks are dense enough for automatic thermoforming yet light enough for quick and easy extraction. Carve forms come in sizes optimized for BK, AK, spinal, and AFO models.

ΙZΕ		

SKU	Diameter	Style	Length	Quantity per Box
PX4-816	8"	BK	16"	12
PX4-1016	10"	BK/AK	16"	6
PX4-1216	12"	AK	16"	5
PX4-1218	12"	AK	18"	5
PX4-1220	12"	AK	20"	2



Transfemoral Knee Frame

TR1-COMPLETE

Trigger Knee with hydraulic unit installed. High-strength aluminum and titanium. The TR1 has built-in adjustable pyramids, which help the practitioner fine-tune the "trigger" point. The pyramid, positioned proximally, offer the practitioner full AP ML, and 360° adjustment options. The pyramid positioned distally features a 360° adjustment option. Using the TR1 will help reduce critical height and weight of the prosthesis, as well as save time and money. The TR1 hosts CaTech's Hydraulic unit.

Added Height: 42mm (1.7") Weight: 723g (25.5oz)

For use under U.S. Patent Number: 6,231,618

TR1-F0

Trigger Knee Frame (Frame Only).

U.S. Patent Numbers: 6.033.440 and 6.231.618

L-Code: L5616



Cosm-Easy[™]

Prosthetic Design's Cosmetic Cover is designed to provide a natural appearance over the prosthetic knee. The cosmetic cover helps to protect the prosthetic knee from damage. The internal shape provides ease of application and also creates a correct fit to the prosthetic knee. The cosmetic cover is made of durable urethane foam and can be cut down or ground to fit various limb sizes.

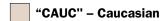
PART NUMBERS

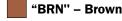
SKU	Side	Color
COS-CLEG-L-BRN	Left	Brown
COS-RHEO-L-BRN	Left	Brown
COS-CLEG-L-CAUC	Left	Caucasian
COS-RHEO-L-CAUC	Left	Caucasian
COS-CLEG-R-BRN	Right	Brown
COS-RHEO-R-BRN	Right	Brown
COS-CLEG-R-CAUC	Right	Caucasian
COS-RHEO-R-CAUC	Right	Caucasian

L-Code: L5704 - BK, L5705 - AK











ART-CON T-SHIRTS & STICKERS



The Girl T-Shirt



Baby Gangster T-Shirt



Drexel T-Shirt



Back

ITEM DESCRIPTION Baby Gangster T-Shirt Medium TS-BG-M TS-BG-L Baby Gangster T-Shirt Large TS-BG-XL Baby Gangster T-Shirt X-Large TS-BG-XXL Baby Gangster T-Shirt XX-Large TS-THEGIRL-M The Girl T-Shirt Medium TS-THEGIRL-L The Girl T-Shirt Large TS-THEGIRL-XL The Girl T-Shirt X-Large TS-THEGIRL-XXL The Girl T-Shirt XX-Large TS-DREXEL-M Drexel T-Shirt Medium TS-DREXEL-L Drexel T-Shirt Large TS-DREXEL-XL Drexel T-Shirt X-Large TS-DREXEL-XXL Drexel T-Shirt XX-Large





The Way. The Path. The Principle.

The (oriental) symbol on our front cover graphic refers to a practice in which the basic concept is to establish harmony with the Tao, which is everything that exists. The word Tao is usually translated as "way", "path" or "principle" emphasizing various themes such as dependability, strength, silence, enhancement, objectivity, flexibility, receptiveness, spontaneity, the relativism of human ways of life, ways of speaking and guiding our development behavior.

At Prosthetic Design, we're more than just locks.



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