proted

Prosthetics & Orthotics



PRODUCT CATALOGUE

version 14

PROSTHETICS
ORTHOTICS
MATERIALS
EQUIPMENT

ISO 9001 QUALITY ASSURANCE

CE

www.proted.com.tr

View the entire range of products online

www.proted.com.tr *

* www.protedglobal.com is also official internet site of Proted Prosthetics & Orthotics

New products

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NEW Hydraulic Ankle Joint

Selection Guide

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Mobility matters!

proted - Future... Now!

Proted Ltd. was founded in 1992 as a prosthetic-orthotic rehabilitation centre in Ankara, Turkey. Gradually, it expanded its facilities and now operates as a professional manufacturer. The most important factor in the establishment of the prosthetic and orthotic production was the company's intention to decrease Turkey's dependency on foreign production and that Ilhan Sahin, the founder of Proted, was an academician working in this sphere at Hacettepe University in Ankara as a mechanical engineer. He saw the necessity for such production activities in Turkey and had the technical know-how for the development of these products.

Today, Proted is the leading manufacturer in Turkey within this sector and has become a well-known company in Europe. Proted provides prosthetic and orthotic products to many institutions such as GATA (Gulhane Military Medical Academy), TSK Rehabilitation Center (The General Turkish Rehabilitation Center for Army Staff), Hacettepe University and Gazi University, which are well known as leading centers for prosthetic and orthotic rehabilitation in Turkey. Proted also exports its commodities to many countries worldwide.

Proted combines two essential dimensions in its activities; the production and the rehabilitation. The whole facility measures 5000 square meters and uses the latest technology and modern manufacturing machines. The integrated managerial units and workshops operate along the production facilities in Ostim, Ankara.

Proted provides quality certified services and has been awarded with a state grant for its technology usage among 1000 firms in the country.

Proted's vision is to produce the highest quality prosthetic and orthotic products in order to meet the needs of disabled people and increase their general life quality.

Diversity for Growth and Innovation.

Diversity and growth are not just integrated, but inseparable. This belief is at the heart of Proted's Value of "Diversity for growth and innovation."

Diversity puts more possibilities into play, and inclusion – going beyond prevailing, predominant or traditional perspectives – makes tapping into those possibilities more likely.

We anchor diversity in our values and we embed it in our business, to improve our ability to connect and respond in a changing world.

Making the most of our diversity has always been the right thing and the smart thing to do. We believe combining what we have in common with what each of us brings as unique individuals is a powerful recipe of success. By coming together and sharing our unique perspectives, we grow as an organization and as people. That leads to new insights and innovation.

Unified by our shared Vision and Values and enriched by individual diversity, Proted and its people are stronger. This helps us attract and retain the best. Furthermore it helps us better serve and meet the needs of our clients.

We're proud of what we've achieved in our diversity journey and we're motivated by a strong sense of purpose for what is still to come. We believe diversity and inclusion strengthen us and we are committed long term to progress in our company and the communities we serve.

Simply having diversity is interesting, doing something with it is powerful.



İlhan Şahin
General Manager



Quality Management

Quality | Confidence | Sustainability

At Proted, quality is not a matter of course, but instead the result of many years of experience and a continuous improvement process. Quality is tradition at Proted.

The quality management system of Proted is an integral part of the overall management system. The operational and organizational structures, the powers and responsibilities, as well as the process and procedure assessments are documented for all employees. The quality management system is enacted, maintained and periodically verified.

ISO 9001:2008

ISO 9001 certifies the organization that the organization is effectively managing its business and customers' requirements.

The ISO 9001 sets the standard not only for quality management systems, but management systems in general.

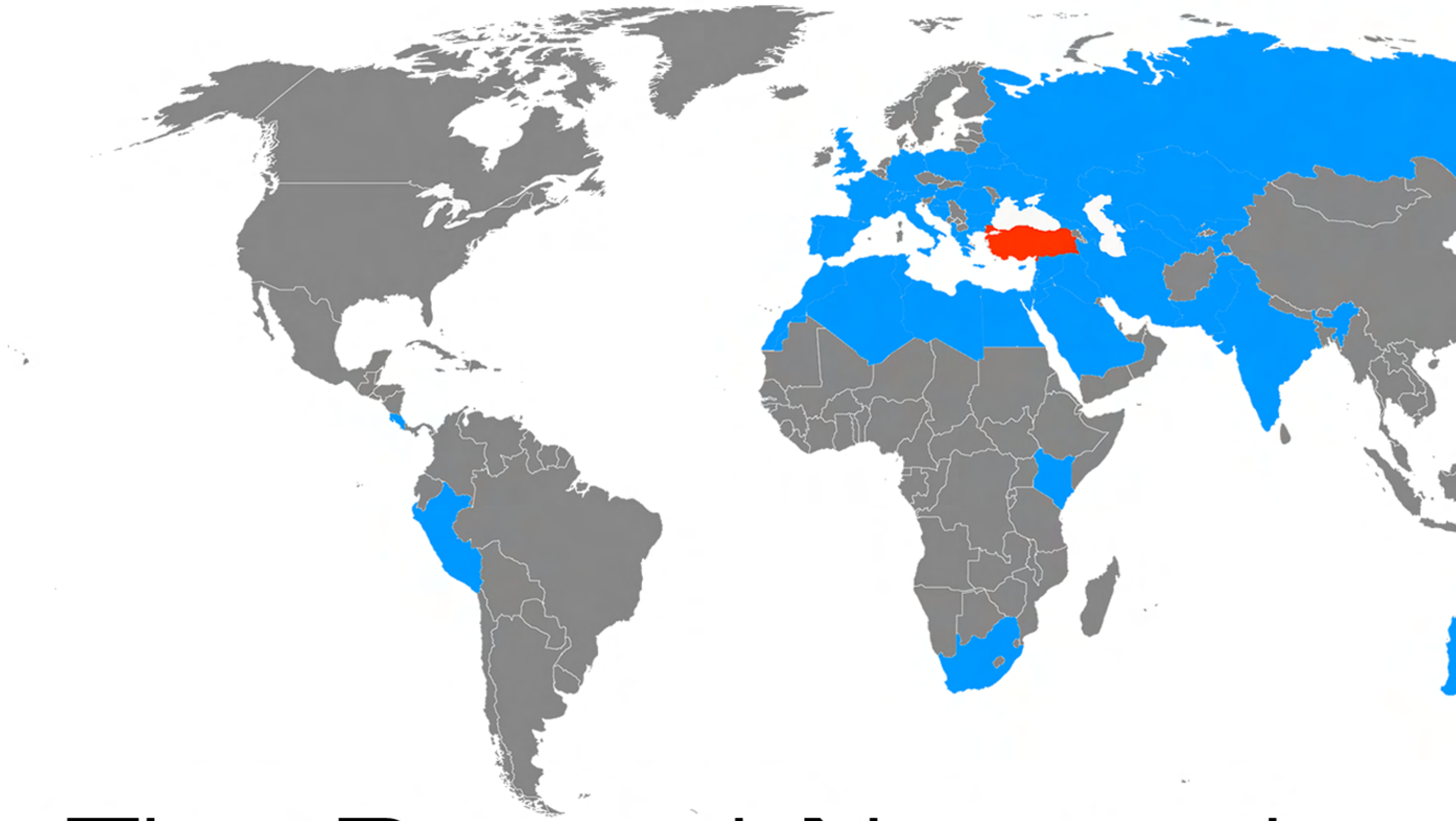
ISO 13485:2012

ISO 13485 is a key standard to measure the quality of medical equipment, medical instruments and medical technology. This standard sets out the requirements for a quality management system and quality assurance systems relating to the design, development, production, installation and servicing of medical devices. ISO 13485 also certifies the organization's ability to meet both customer and regulatory requirements.

The traceability of processes and raw materials must also be guaranteed.

CE marking

The CE marking indicates the compliance with EU legislation of a product. By affixing the CE marking on a product, a manufacturer is declaring, at its sole responsibility, conformity with all of the legal requirements to achieve CE marking.



The Proted Network

Proted is an international company that specializes in the production of prosthetic and orthotic parts. We are always eager to develop new trading partners, while continuing to maintain the valuable relationships we have already established in international markets.

We possess the global strength to sell a wide variety of prosthetic and orthotic products by having distributors throughout the world. The main office is located in Ankara, Turkiye. There are also distributors in Bulgaria, India, Tunisia, Egypt, Ukraine and Algeria. Since its inception, Proted's products has been exported to more than 47 different countries worldwide and has become a well-known brand in international markets.

As a result we have also become experts at the logistics involved with land and ocean shipments thereby ensuring that the products are shipped appropriately, and allowing our customers to focus on other more essential parts of their own business. Delivering personal service through coordinated teamwork is the backbone of our sales commitment. Our sales and logistics teams are connected at every stage of the process as we coordinate the movement and international delivery of Proted products from one side of the globe to the other.

Medical device technologies are constantly changing. We are in tune with the trends, keep our clients informed of them and adapt the way we source products in response to these changes. We are a solutions based organization whose business is built on our trading partner's continued trust and support.





DID YOU KNOW?

- Proted has 45 employees who work hard to ensure that the production run smoothly.

- Proted exports its commodities to more than 47 countries.

- Proted is the biggest company within prosthetics and orthotics in Turkey.

- Proted offers over 1200 different products, all manufactured in Proted's own factory based in Ankara, Turkey.

- Our new production facilities measure 5000 m2 and include an integrated rehabilitation centre.

- Proted's own rehabilitation centre manufactures individual aids for a diverse range of people and challenges, e.g people who have had their leg or arm amputated or children with disabilities, problems with backs and many other conditions.

Explanations of Symbols

Information sheet, poster

Instructions for processing or use

Products with these symbols are registered trademarks in certain countries.

Mixing Ratio

Contoured

Moveable

Rotatable

Eccentric

Silicone



Products for children

Please be aware that the colors displayed in this catalogue may vary due to various light conditions and other factors.

Explanations of hazardous substance symbols

(P/H phrases)

	Hazard Categories
Inflammable gases	1
Inflammable aerosols	1, 2
Inflammable liquids	1, 2, 3
Inflammable solids	1, 2
Self-decomposing substances and mixtures	Types B, C, D, E, F
Pyrophoric liquids	1
Pyrophoric solid	1
Substances and mixtures capable of self-heating	1, 2
Substances and mixtures that release inflammable gases upon contact with water	1, 2, 3
Organic peroxides	Types B, C, D, E, F
Oxidising gases	1
Oxidising liquids	1, 2, 3
Oxidising solids	1, 2, 3
Corrosive effect on metal	1
Caustic	1A, 1B, 1C
Severe eye damage	1
Acute toxicity (oral, dermal, inhalative)	1, 2, 3
Acute toxicity (oral, dermal, inhalative)	4
Skin irritation	2
Eye irritation	2
Skin sensitisation	1
Specific target organ toxicity (one-time exposure)	3
Respiratory system irritation	
Anaesthetic effects	
Respiratory tract sensitisation	1
Germ cell mutagenicity	1A, 1B, 2
Carcinogenicity	1A, 1B, 2
Reproductive toxicity	1A, 1B, 2
Specific target organ toxicity (one-time exposure)	1, 2
Specific target organ toxicity (repeated exposure)	1, 2
Aspiration hazard	1
Hazardous to water	
– Acutely hazardous to water	1
– Chronically hazardous to water	2

(R/S phrases)

Xi irritating — Irritant

Xn harmful — Hazardous to Health

O oxidising — Oxidising

F highly flammable — Highly Flammable

F+ extremely flammable — Extremely Flammable

N dangerous for the environment — Environmentaly Hazardous

C corrosive — Corrosive

T toxic — Toxic

The hazardous substance symbols (R/S phrases and P/H phrases) printed in the catalogue correspond to the labelling requirements for hazardous substances at the time of printing.

They refer to the raw material.

Changes reserved.

Mobility Grade

1 2 3 4

The patients' mobility class and body weight are very important factors when choosing the right modular prosthetic components.

For all mobility grade categories, the therapy will be focused on an individualized review that restore the patient's abilities and minimize the limitations experienced by the patient.

A major goal of the prosthetic technician is therefore to create a prosthesis that provides sufficient absorption and general comfort.

Mobility Grade 1
Indoor walkers

1

Safe standing and movement are of the most important abilities for users classified within mobility grade 1.

The patient has the ability to use a prosthesis to move from place to place or to walk on a flat surface at low speed. The walking time and walking distance are both strictly limited by his condition.

The gait pattern is defined by a short stride length and slow, constant walking speed. Other mobility aids are typically used as well. The amount of time and distance the patient can walk are severely limited.

For this group of prosthesis users, stability – both when standing and when walking –is the most important requirement for a prosthetic foot. The ideal prosthetic foot should achieve a safe standing position quickly after heel strike, so that the user is stabilised and can safely support his or her weight on the foot. A low net weight of the joint is advantageous.

Mobility Grade 2
Restricted
Outdoor walkers

2

In addition to safety while standing and walking, the increased activity of users in mobility grade 2 requires easy walking that protects the joints and tissue. The stride length approximates the normal gait and seldom varies. The amount of time and walking distance are limited. Mobility aids are typically used for additional safety outside the house, but more rarely at home.

These users expect stability from their prosthetic foot, especially while standing. Thanks to their better gait characteristics, an easy rollover while walking is also of special importance. Dampening at heel strike to protect the joints and sensitive residual limb tissue, as well as the dynamic transition from the stance to the swing phase, round out the ideal prosthetic foot. Moderate multi-axial mobility of the foot with the compensation of torsion moments can be helpful when walking on uneven surfaces.

Mobility Grade 3
Restricted
Outdoor walkers

3

Users in mobility grade 3 have a variety of requirements for a prosthetic foot. They generally move at a walking speed of 1.3 to 1.5 m/s. Compared to non-amputees, limitations in the walking duration and distance are immaterial. The stride length approximates the parameters of a non-amputee. Special living conditions or additional disabilities may result in an elevated need for safety.

This group of prosthesis users pursues everyday work and leisure activities that expose the prosthesis to medium to high but low-impact use. Due to their gait characteristics and virtually unrestricted mobility, these users require a prosthetic joint that provides an easy rollover and good energy efficiency, and is able to adapt to uneven surfaces.

Mobility Grade 4
Restricted
Outdoor walkers

4

Users in mobility grade 4 have special requirements for their prosthetic fitting. They typically move at a walking speed in excess of 1.5 m/s and frequently vary the speed. The walking duration and distance are not limited. The stride length corresponds to the parameters of a non-amputee.

This group of prosthesis wearers pursues activities – at work and in sports – that expose the prosthesis to extreme strain as well as sudden impacts. Examples include occupations involving physical labour, and sports such as football, tennis or basketball. Because of their unrestricted mobility, these users require a prosthetic foot that offers an easy rollover, good forefoot support and very good energy efficiency, which can also adapt to uneven surfaces.

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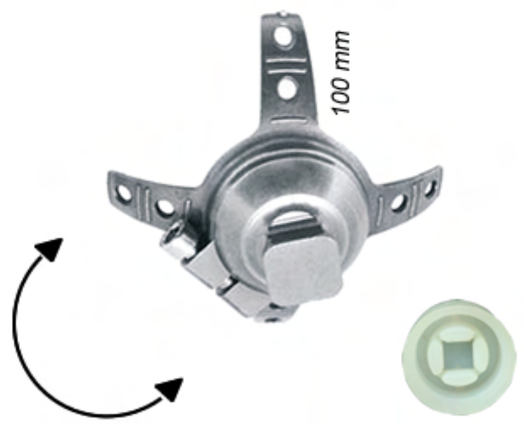
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flexcomfort

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195	Ankle Joint	PR17.A1.D16
195	Ankle Joint	PR17.A1.D20
195	Ankle Joint	PR17.A1.A16
195	Ankle Joint	PR17.A1.A20
196	Caliper Stirrup	PR18.C2.25M / 3 MM
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196	Klenzak Ankle Joint	PR17.KL.20 L/R
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197	Klenzak Ankle Joint	PR17.KL.A16/A20
198	Klenzak Stirrup	PR18.KL.25M
198	Klenzak Stirrup	PR18.KL.3MM
198	Carbon System Stirrup	PR18.KS.25M
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203	Ring Lock Knee Joint w/ Lateral Bar	**PR15.YC.018**
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204	Klenzak Ankle Joint w/ Lateral Bar	**PR17.KL.014**
205	Ankle Joint w/ Stirrup Set	**PR17.CA.115**
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210	Plastazote *2000x1000 mm	**PR50.PM.3MM**
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Trademarks & Companies:

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CE

CARBON FOOT SYSTEMS

Proted's newly launched carbon foot products combine the latest material technology and quality manufacturing practices which have been the most important factors in the production of prosthetic components that meet the demands of a dynamic life. Some of the advantages of carbon fiber include its lighter weight which gives the patient greater freedom of movement, reduces user fatique and a greater variety of attachment possibilities.

Hence, our unique carbon fiber manufacturing practice has helped us create a list of innovative products that combine durability and comfort, making the feet suitable for various applications that allow the prosthetic users to be as mobile as possible.

The world constantly changes… and so do we!: Although we are proud of what we have achieved so far, we constantly invest in research and development in order to enhance the design, quality and functions of our current products.

PR01.K1
Chopart Carbon Foot

Chopart Carbon Foot is a category of flexible and light carbon prosthetic feet. Its divided carbon spring design provides excellent stability and safe ground contact. Recommended for prosthetic users with mobility grade 1 and 2.

Sample Order Code

Main Code				Serie		Size		Side
P	R	0	1	K	1	2	5	L

*Removable foot shell is included.

Key Data	
Mobility Degree	1, 2
Heel Height	4 mm
Sides	Left - Right
Material	Carbon Fiber



The product is fastened using acrylic resin making it suitable for Chopart's amputations.



PR01.K1 is a flexible and light carbon foot, specially designed for patients with a lower extremity Syme's amputation. The upper part of the foot features a carbon-fiber plate and a split-toe design. The foot is suitable with a steel rotating lamination anchor.

PR01.K1 is available in sizes from 22-29 cm and provides flex-assist at toeoff and heel. The dynamic dorsi-flexion and improved loading response reduce energy consumption and minimizes ground reaction force As such, the heel impact is automatically dampened, giving the patient a soft rollover. As a result, the patient moves more easily and safely.

Chopart also actively supports the forward movement, thereby allowing a smooth, natural and dynamic walking.

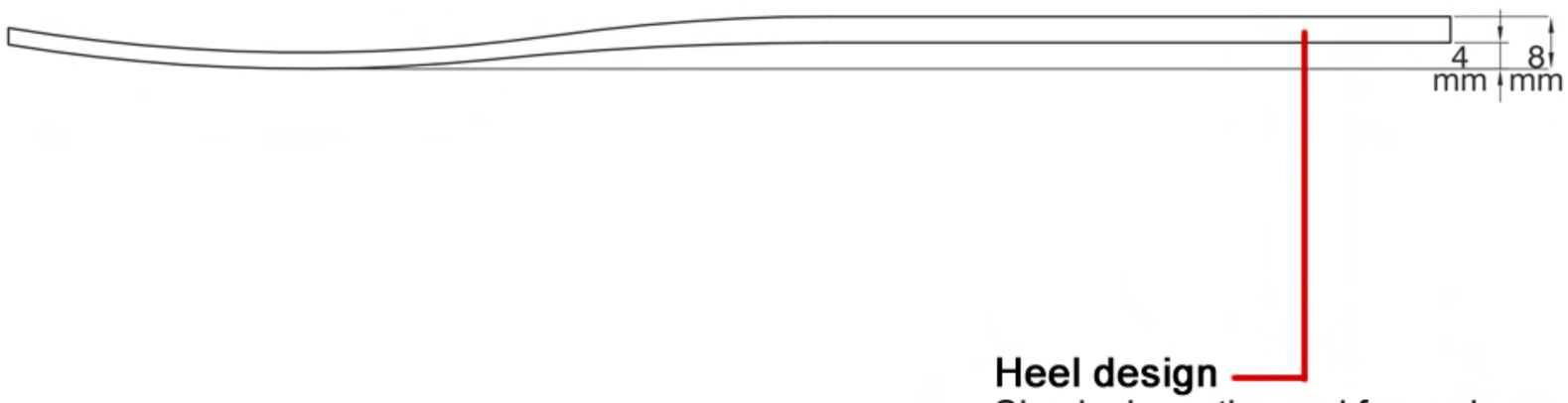
The product comes with carbon socks and shells that do not have to be ordered separately.

Advice for technicians: After preparing the Chopart socket , the Chopart carbon foot is stuck to the socket with a prosthetic adhesive. Prior to this, the static settings must be made very carefully by correctly determining the connecting points of the lamination anchor.

Detailed Info								
Series	PR01.K1 - Chopart							
Mobility Grade	1, 2							
Heel Height	4 mm							
Side	Left (L), Right (R)							
Size (cm)	22	23	24	25	26	27	28	29
Body Weight	80 kgs / 125 kgs							

It is adviced that the mobility level & weight of the user is sent to Proted while placing an order.

PR01.K1 | Chopart Carbon Foot



- 4 mm heel height
- High-Quality Carbonfiber
- Mobility Grade 1, 2
- Simple integration
- Lightweight
- 2 years warranty

Accessories



PR01.KK
Carbon Foot Shell

* This product can be ordered separately but it is included into the package of any carbon foot product.

The prosthetic foot is designed for use with a footshell. Without a footshell, the individual foot is shorter than the size indicates.

Series	Carbon Foot Shell													
Side	Left (L), Right (R)													
Size (cm)	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Weight (~)	111 g	119 g	125 g	140 g	152 g	163 g	174 g	201 g	223 g	230 g	264 g	289 g	308 g	314 g
Material	PU Material													
Color	Beige							Dark Brown						



Carbon Foot Stocking

A pair of socks (one is as a spare) is sent with the product.

Product	Carbon Foot Stocking													
Side	Left (L), Right (R)													
Size (cm)	16	17	18	19	20	21	22	23	24	25	26	27	28	29

PR01.K2

Doha Carbon Foot

Both at home and outdoor... Doha Carbon Foot is the best choice with its flexible design. Its divided carbon spring design provides excellent stability and safe ground contact. Recommended for prosthetic users with mobility grade 2 and 3.

Key Data	
Mobility Degree	2, 3
Heel Height	10 mm
Sides	Left - Right
Material	Carbon Fiber

Its constructed sole plate and upper attachment point make the product suitable for very active and heavy patients.

Sample Order Code

Main Code				Serie		Size		Side
P	R	0	1	K	2	2	5	L

*Removable foot shell is included.





Doha Carbon Foot is especially recommended for above, below knee and hip amputation patients who are very active and under 125 kgs.

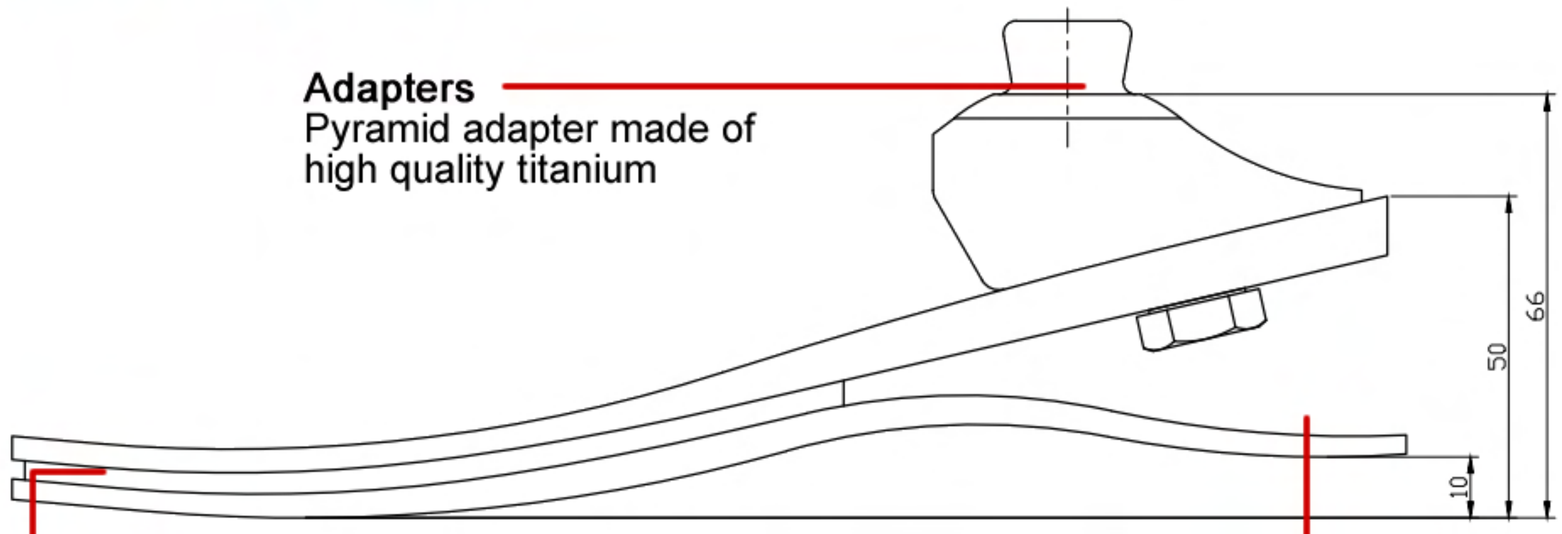
Due to its design, DOHA offers many advantages for daily use for the users with Mobility degree 2 and 3. Nothing stands in the way of sporting activities such as tennis, which subjects the user to greater impact stress. The DOHA also allows for comfortable and energy-saving walking during the daily challenges at work and at home.

DOHA's innovative heel design enables the users to perform daily activities with less energy consumption by storing the energy expended during activities and this reduces foot fatique compared with conventional designs.

Detailed Info								
Series	PR01.K2 - Doha							
Mobility Grade	2, 3							
Heel Height	10 mm							
Side	Left (L), Right (R)							
Size (cm)	22	23	24	25	26	27	28	29
Body Weight	80 kgs / 125 kgs							

It is adviced that the mobility level & weight of the user is sent to Proted while placing an order.

PR01.K2 | Doha Carbon Foot



- 10mm heel height
- High-Quality Carbonfiber
- Mobility Grade 2, 3
- Simple integration
- Lightweight
- Shock absorption
- 2 years warranty

Accessories



PR01.KK
Carbon Foot Shell

* This product can be ordered separately but it is included into the package of any carbon foot product.

The prosthetic foot is designed for use with a footshell. Without a footshell, the individual foot is shorter than the size indicates.

Series	Carbon Foot Shell													
Side	Left (L), Right (R)													
Size (cm)	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Weight (~)	111 g	119 g	125 g	140 g	152 g	163 g	174 g	201 g	223 g	230 g	264 g	289 g	308 g	314 g
Material	PU Material													
Color	Beige							Dark Brown						



Carbon Foot Stocking

A pair of socks (one is as a spare) is sent with the product.

Product	Carbon Foot Stocking													
Side	Left (L), Right (R)													
Size (cm)	16	17	18	19	20	21	22	23	24	25	26	27	28	29

PR01.K3

Syme Carbon Foot

Syme Carbon Foot features a flexible design that allows it for both indoor and outdoor use. PR01.K3 Syme also provides perfect stability and safe ground contact. Recommended for prosthetic users with mobility grade 1 and 2.

Key Data	
Mobility Degree	1, 2
Heel Height	10 mm
Sides	Left - Right
Material	Carbon Fiber

Its constructed sole plate and upper attachment point make the product suitable for very active and heavy patients.

Sample Order Code

Main Code				Serie		Size		Side
P	R	0	1	K	3	2	5	L

*Removable foot shell is included.





PR01.K3 is a flexible and light carbon foot, specially designed for patients with a lower extremity Syme's amputation. The upper part of the foot features a carbon-fiber plate whereas the toes are composed of two carbon sheets. The foot is suitable with a steel rotating lamination anchor.

PR01.K3 is available in sizes from 22-29 cm and provides flex-assist at toeoff and heel. The dynamic dorsi-flexion and improved loading response reduce energy consumption and minimizes ground reaction force. The hard surface shows extra resistance to stress making it specially suitable for heavy patients during their daily activities.

To be used with carbon socks and foot shells for carbon feet.

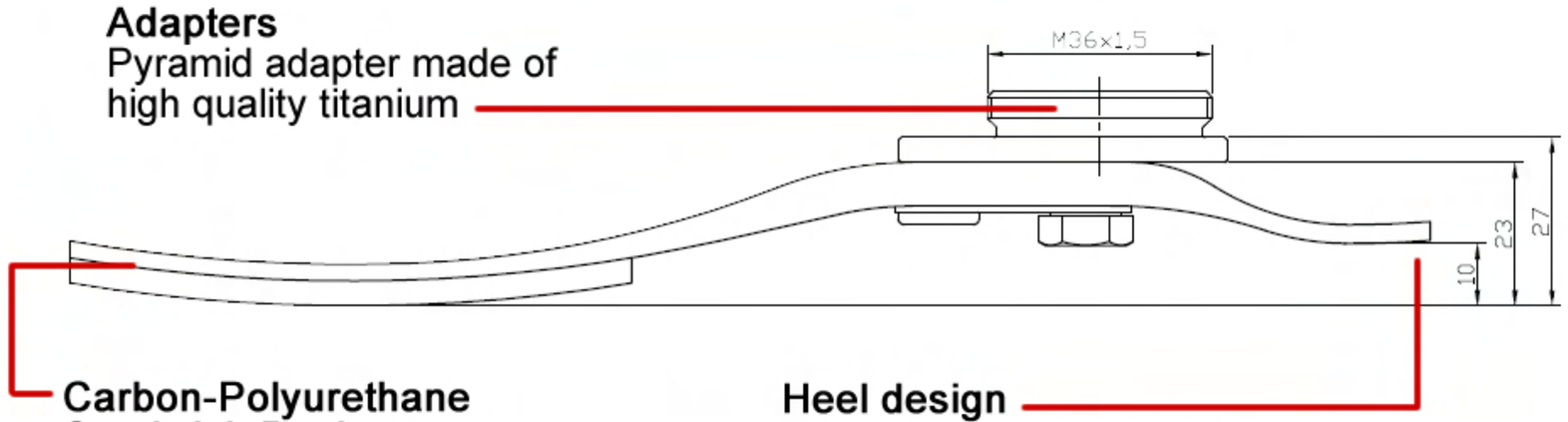
Advice for technicians: The static settings must be made very carefully by correctly determining the connecting points of the lamination adapter.

Detailed Info								
Series	PR01.K3 - Syme							
Mobility Grade	1, 2							
Heel Height	10 mm							
Side	Left (L), Right (R)							
Size (cm)	22	23	24	25	26	27	28	29
Body Weight	80 kgs / 125 kgs							

It is adviced that the mobility level & weight of the user is sent to Proted while placing an order.

PR01.K3 | Sym Carbon Foot

Adapters
Pyramid adapter made of high quality titanium



Carbon-Polyurethane Sandwich Design
Maximizes the strength

Heel design
The heel spring dampens the impact at heel strike and stores the energy for a smooth rollover.

- 10mm heel height
- High-Quality Carbonfiber
- M Grade 1, 2
- Simple integration
- Lightweight
- Shock absorption
- 2 years warranty

Accessories



PR01.KK
Carbon Foot Shell

* This product can be ordered separately but it is included into the package of any carbon foot product.

The prosthetic foot is designed for use with a footshell. Without a footshell, the individual foot is shorter than the size indicates.

Series	Carbon Foot Shell													
Side	Left (L), Right (R)													
Size (cm)	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Weight (~)	111 g	119 g	125 g	140 g	152 g	163 g	174 g	201 g	223 g	230 g	264 g	289 g	308 g	314 g
Material	PU Material													
Color	Beige							Dark Brown						



Carbon Foot Stocking

A pair of socks (one is as a spare) is sent with the product.

Product	Carbon Foot Stocking													
Side	Left (L), Right (R)													
Size (cm)	16	17	18	19	20	21	22	23	24	25	26	27	28	29

PR01.K5

Kule Carbon Foot

Kule Carbon Foot's special design and adjustable features make it suitable for all age groups and amputation levels.

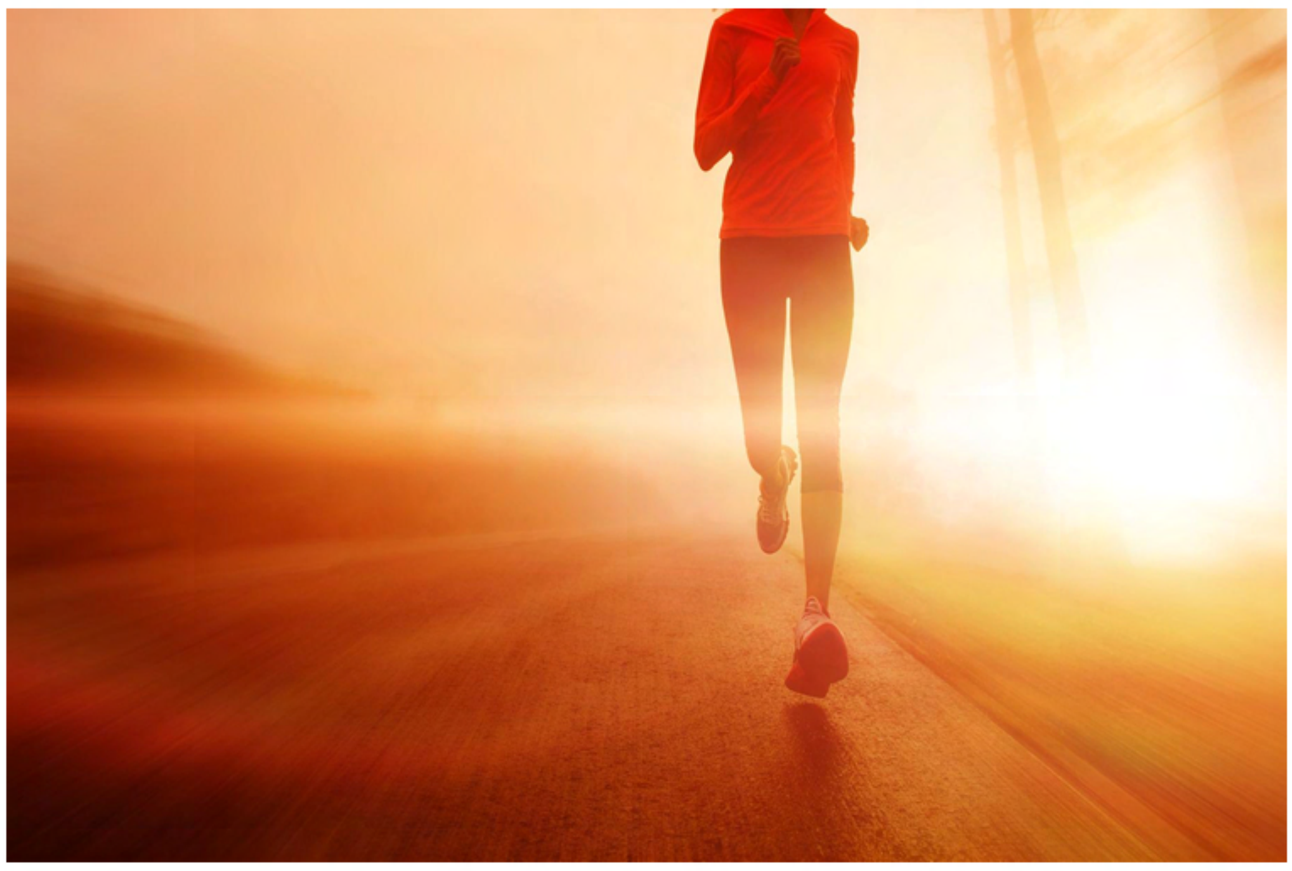
Sample Order Code

Main Code				Serie		Size		Side
P	R	0	1	K	5	2	5	L

*Removable foot shell is included.



Key Data	
Mobility Degree	2, 3
Heel Height	10 mm
Side	Left - Right
Material	Carbon Fiber



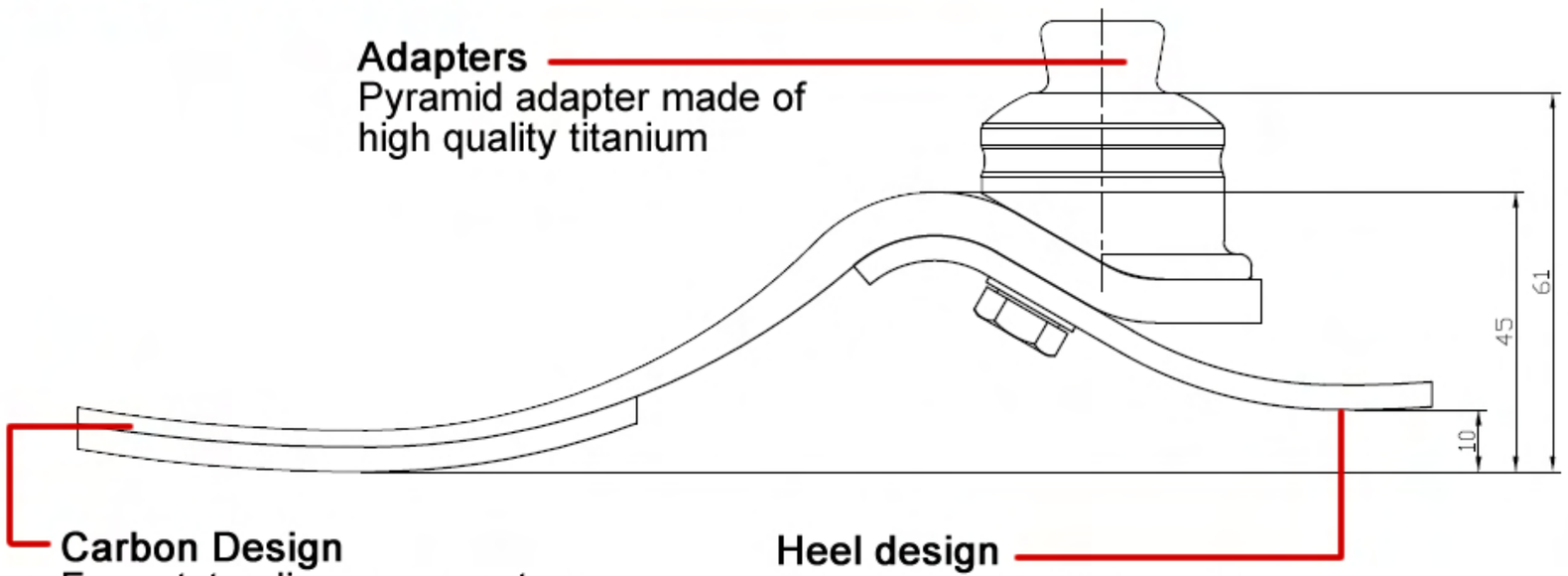
KULE Carbon Foot is especially recommended for above, below knee and hip amputation patients who are very active and under 125 kgs.

KULE's innovative heel design enables the users to perform daily activities with less energy consumption by storing the energy be expended during activities and this reduces foot fatique compared with conventional designs.

Detailed Info														
Series	PR01.K5 - Kule													
Mobility Grade	2, 3													
Heel Height	10 mm													
Side	Left (L), Right (R)													
Size (cm)	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Body Weight	80 kgs / 125 kgs													

It is adviced that the mobility level & weight of the user is sent to Proted while placing an order.

PR01.K5 | Kule Carbon Foot



- 10mm heel height
- High-Quality Carbonfiber
- M Grade 2, 3
- Simple integration
- Lightweight
- Shock absorption
- 2 years warranty

Accessories



PR01.KK
Carbon Foot Shell

* This product can be ordered separately but it is included into the package of any carbon foot product.

The prosthetic foot is designed for use with a footshell. Without a footshell, the individual foot is shorter than the size indicates.

Series	Carbon Foot Shell													
Side	Left (L), Right (R)													
Size (cm)	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Weight (~)	111 g	119 g	125 g	140 g	152 g	163 g	174 g	201 g	223 g	230 g	264 g	289 g	308 g	314 g
Material	PU Material													
Color	Beige							Dark Brown						



Carbon Foot Stocking

A pair of socks (one is as a spare) is sent with the product.

Product	Carbon Foot Stocking													
Side	Left (L), Right (R)													
Size (cm)	16	17	18	19	20	21	22	23	24	25	26	27	28	29

PR01.K7

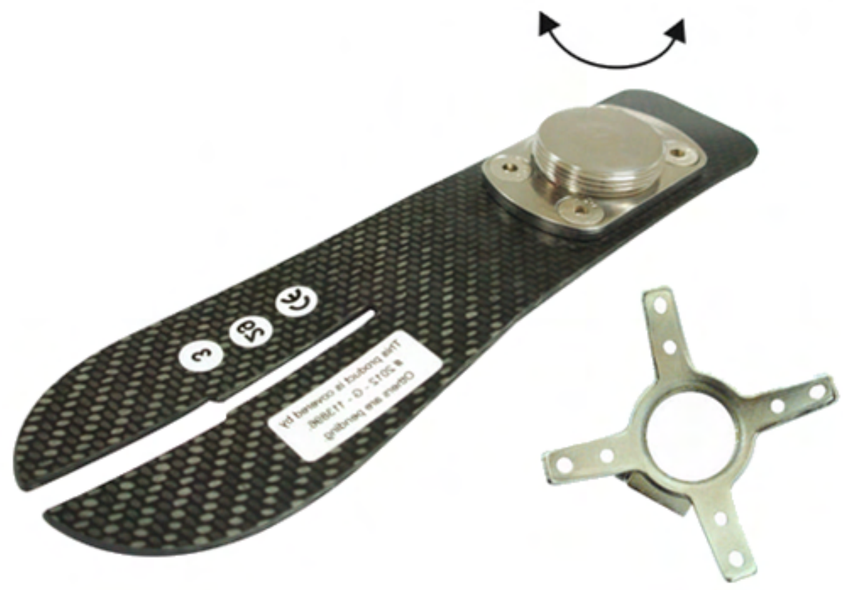
Chopart Plus Carbon Foot

Due to its special coupling system that ensures the connection to the lamination adapter and its rotation feature, the product is specially recommendable in Chopart's amputations.

Sample Order Code

Main Code				Serie		Size		Side
P	R	0	1	K	7	2	5	L

*Removable foot shell is included.



Key Data	
Mobility Degree	1, 2
Heel Height	7 mm
Sides	Left - Right
Material	Carbon Fiber



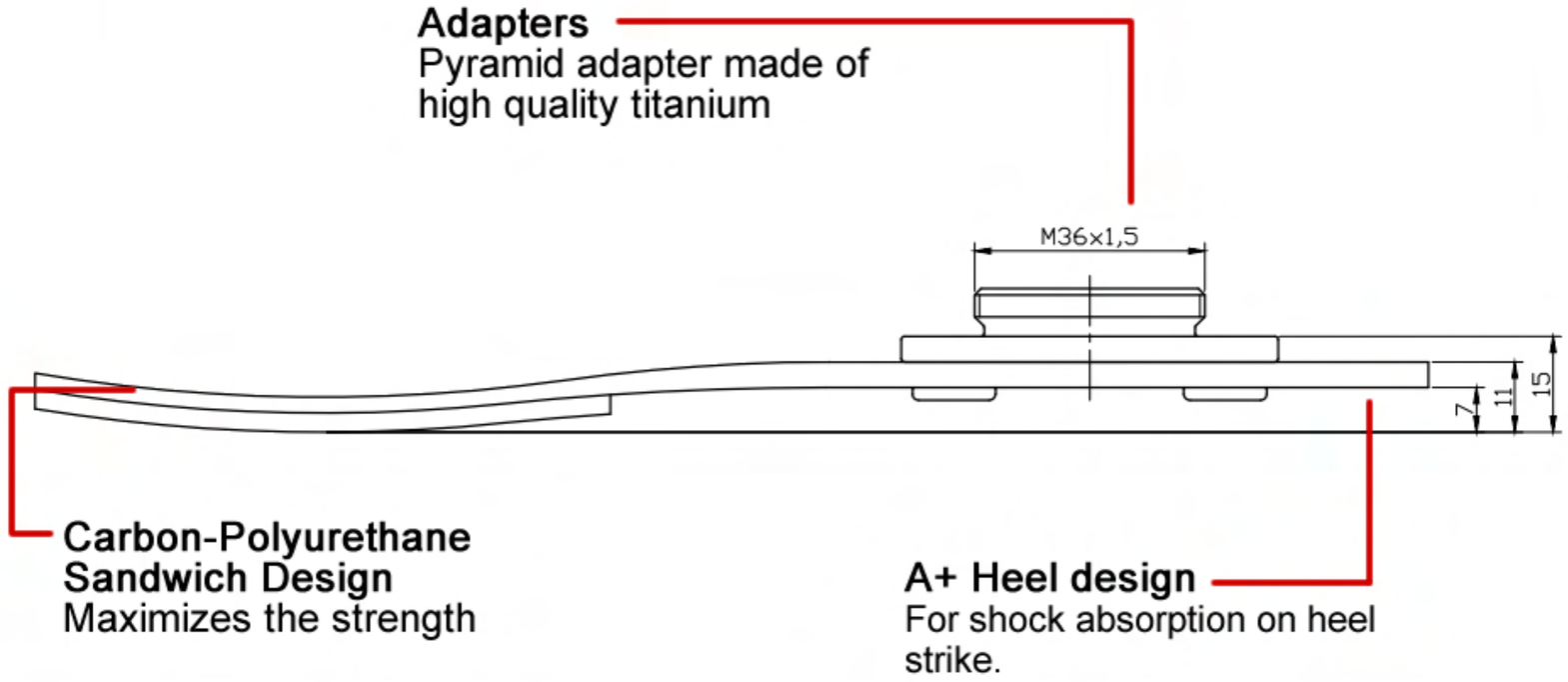
CHOPART PLUS is recommendable in Chopart's amputations. Its rotation feature makes the applications more easy for the technicians.

The product set includes Carbon Foot Shell which is recommended to be used with CHOPART Carbon Foot.

Detailed Info								
Series	PR01.K7 - Chopart Plus							
Mobility Grade	1, 2							
Heel Height	7 mm							
Side	Left (L), Right (R)							
Size (cm)	22	23	24	25	26	27	28	29
Body Weight	80 kgs / 125 kgs							

It is adviced that the mobility level & weight of the user is sent to Proted while placing an order.

PR01.K7 | Chopart Plus Carbon Foot



Adapters
Pyramid adapter made of high quality titanium

Carbon-Polyurethane Sandwich Design
Maximizes the strength

A+ Heel design
For shock absorption on heel strike.

- 7 mm heel height
- High-Quality Carbonfiber
- M Grade 1, 2
- Simple integration
- Lightweight
- Shock absorption
- 2 years warranty

Accessories



PR01.KK
Carbon Foot Shell

* This product can be ordered separately but it is included into the package of any carbon foot product.

The prosthetic foot is designed for use with a footshell. Without a footshell, the individual foot is shorter than the size indicates.

Series	Carbon Foot Shell													
Side	Left (L), Right (R)													
Size (cm)	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Weight (~)	111 g	119 g	125 g	140 g	152 g	163 g	174 g	201 g	223 g	230 g	264 g	289 g	308 g	314 g
Material	PU Material													
Color	Beige							Dark Brown						



Carbon Foot Stocking

A pair of socks (one is as a spare) is sent with the product.

Product	Carbon Foot Stocking													
Side	Left (L), Right (R)													
Size (cm)	16	17	18	19	20	21	22	23	24	25	26	27	28	29

PR01.K8

Sym Plus Carbon Foot

Sym Plus' static alignment properties and 10° internal and external rotation features makes it recommendable to Syme's amputees.

Sample Order Code

Main Code				Serie		Size		Side
P	R	0	1	K	8	2	5	L

*Removable foot shell is included.

Key Data	
Mobility Degree	1, 2
Heel Height	10 mm
Side	Left - Right
Material	Carbon Fiber





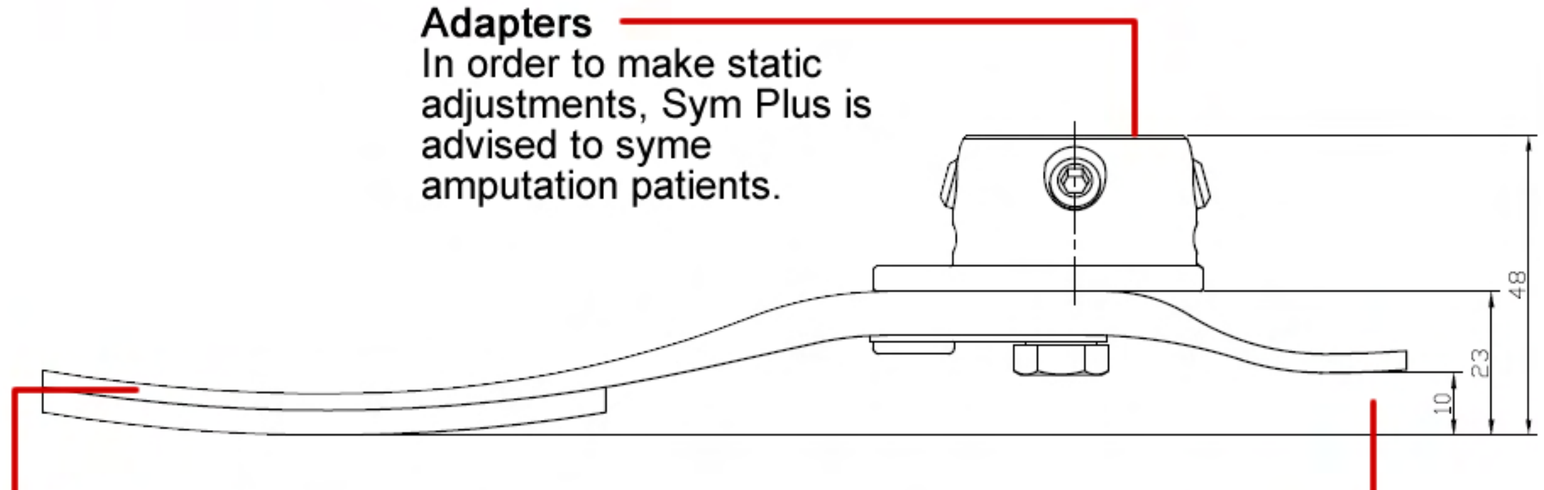
Sym Plus is suitable for Syme's amputees and offers superb shock absorption at the heel, high energy return and a smooth roll-over. Limited application for fitting of Pirogoff amputations and re-amputated Chopart residual limbs.

With a clearance of 48 mm, this is the ideal foot for Syme's amputees who require a carbon foot.

Detailed Info								
Series	PR01.K8 - Syme Plus							
Mobility Grade	1, 2							
Heel Height	10 mm							
Side	Left (L), Right (R)							
Size (cm)	22	23	24	25	26	27	28	29
Body Weight	80 kgs / 125 kgs							

It is adviced that the mobility level & weight of the user is sent to Proted while placing an order.

PR01.K8 | Sym Plus Carbon Foot



- 10mm heel height
- High-Quality Carbonfiber
- M Grade 1, 2
- Simple integration
- Lightweight
- Shock absorption
- 2 years warranty

Accessories



PR01.KK
Carbon Foot Shell

* This product can be ordered separately but it is included into the package of any carbon foot product.

The prosthetic foot is designed for use with a footshell. Without a footshell, the individual foot is shorter than the size indicates.

Series	Carbon Foot Shell													
Side	Left (L), Right (R)													
Size (cm)	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Weight (~)	111 g	119 g	125 g	140 g	152 g	163 g	174 g	201 g	223 g	230 g	264 g	289 g	308 g	314 g
Material	PU Material													
Color	Beige							Dark Brown						



Carbon Foot Stocking

A pair of socks (one is as a spare) is sent with the product.

Product	Carbon Foot Stocking													
Side	Left (L), Right (R)													
Size (cm)	16	17	18	19	20	21	22	23	24	25	26	27	28	29

PR01.K9

rapidwalk Carbon Foot

rapidwalk's hi-tech design and carbon springs makes it recommendable to active users.

Sample Order Code

Main Code				Serie		Size		Side
P	R	0	1	K	9	2	5	L

*Removable foot shell is included.

Key Data	
Mobility Degree	3
Heel Height	10 mm
Side	Left - Right
Material	Carbon Fiber

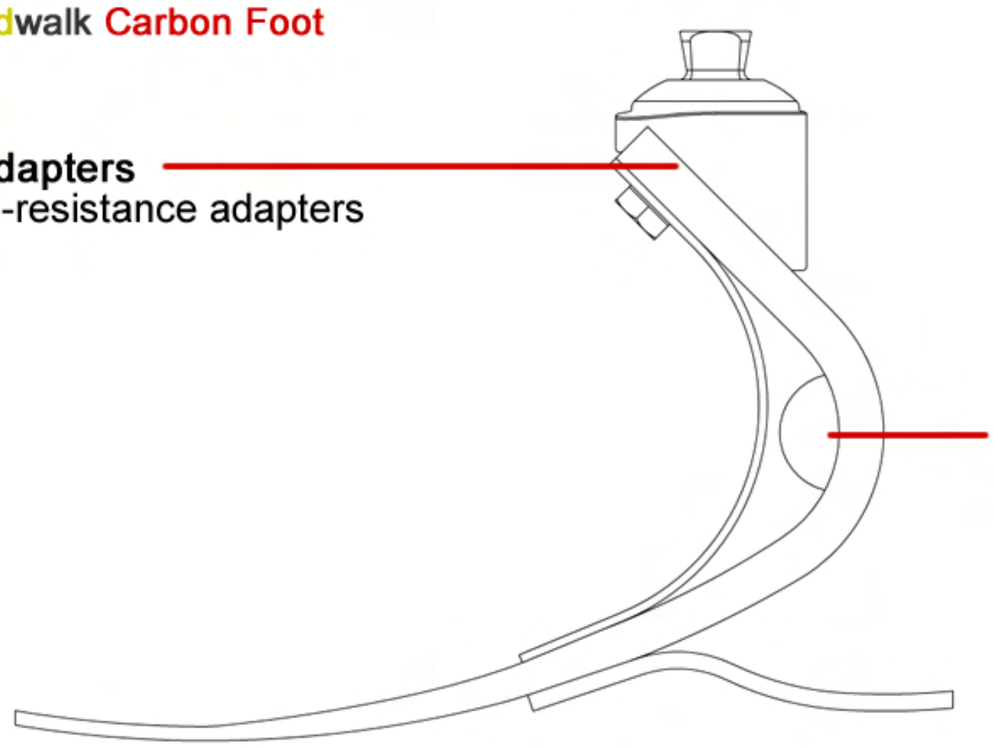


rapidwalk's superb shock absorption at the heel and its high energy return makes it a perfect choice for active users.

Detailed Info								
Series	PR01.K9 - RapidWalk							
Mobility Grade	3							
Heel Height	10 mm							
Side	Left (L), Right (R)							
Size (cm)	22	23	24	25	26	27	28	29
Body Weight	80 kgs / 125 kgs							

It is adviced that the mobility level & weight of the user is sent to Proted while placing an order.

PR01.K9 | rapidwalk Carbon Foot



- 10mm heel height
- High-Quality Carbonfiber
- M Grade 3
- Simple integration
- Lightweight
- Shock absorption
- 2 years warranty

Accessories



PR01.KK
Carbon Foot Shell

* This product can be ordered separately but it is included into the package of any carbon foot product.

The prosthetic foot is designed for use with a footshell. Without a footshell, the individual foot is shorter than the size indicates.

Series	Carbon Foot Shell													
Side	Left (L), Right (R)													
Size (cm)	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Weight (~)	111 g	119 g	125 g	140 g	152 g	163 g	174 g	201 g	223 g	230 g	264 g	289 g	308 g	314 g
Material	PU Material													
Color	Beige							Dark Brown						



Carbon Foot Stocking

A pair of socks (one is as a spare) is sent with the product.

Product	Carbon Foot Stocking													
Side	Left (L), Right (R)													
Size (cm)	16	17	18	19	20	21	22	23	24	25	26	27	28	29

PR01.K4

Carbon Foot Plate

Carbon fiber foot plates are corresponding to different indications as platform/basis for foot orthoses or partial foot amputations when combined with appropriate footwear. The plates cannot be thermoformed.

Sample Order Code

Main Code				Serie		Size		Side
P	R	0	1	K	4	0	1	L

Key Data	
Mobility Degree	-
Heel Height	10 mm
Side	Left - Right
Material	Carbon Fiber





Carbon fiber foot plates are corresponding to different indications as platform/basis for foot orthoses or partial foot amputations when combined with appropriate footwear. The plates cannot be thermoformed.

Carbon Foot Plate is designed to be used as a platform for foot orthoses or used under factory shoe insole. Replaces spring steel extended shanks for pathologies requiring limited foot motion.

Detailed Info									
Series	PR01.K4 - Carbon Foot Plate								
Mobility Grade	-								
Heel Height	10 mm								
Side	Left (L), Right (R)								
Size (cm)	22	23	24	25	26	27	28	29	30
Max Body Weight	No weight limitation								

PR01.KK
PR01.KS
Carbon Foot Shell

The Carbon foot shells are compatible with all Proted carbon fiber foot solutions.

They are made from a unique material that provides durability and creates a more realistic appearance

Sample Order Code

Main Code				Serie	Color	Size		Side
P	R	0	1	K	K	0	1	L
P	R	0	1	K	S	0	1	L



Key Data	
Side	Left - Right
Material	PU Material

Proted foot covers are size-specific to ensure perfect fit and durability. If you are looking for a life-like foot cover which will fit into most dress shoes as well as larger shoes, you need look no further.

Properties:

- Easily fits in shoes
- Flexible
- Sandal-toe
- Available in Beige and Dark Brown colors
- Compatible with all carbon feet

Cosmetically appealing

Fits most dress shoes and regular shoes

Detailed Info

Series	Carbon Foot Shell													
Side	Left (L), Right (R)													
Size (cm)	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Weight (~)	111 g	119 g	125 g	140 g	152 g	163 g	174 g	201 g	223 g	230 g	264 g	289 g	308 g	314 g
Material	PU Material													
Color	Beige							Dark Brown						

PR20.KA

Carbon AFO

Flexible carbon AFO, offering comfortable walking to patients with drop-foot syndrome.

The orthosis allows you to walk naturally, whether you're walking on a smooth sidewalk, or taking a steep hike.

Key Data	
Mobility Degree	-
Heel Height	10 mm
Sides	Left - Right
Material	Carbon Fiber

This product has been designed and tested based on single patient usage and is not recommended for multiple patient use. If any problems occur with the use of this product, immediately contact your medical professional.

Sample Order Code

Main Code				Serie		Size		Side
P	R	2	0	K	A	0	1	L



Indications:

- Drop foot secondary to CVA
- Mild drop foot secondary to other neurological pathologies
- M-L instability
- Severe Drop foot
- Long term bracing need
- Spasticity

Detailed Info			
Series	PR20.KA.01	PR20.KA.02	PR20.KA.03
Size	Small (36-39)	Medium (40-42)	Large (43-45)
Side	Left (L), Right (R)	Left (L), Right (R)	Left (L), Right (R)
Material	Carbon Fiber	Carbon Fiber	Carbon Fiber

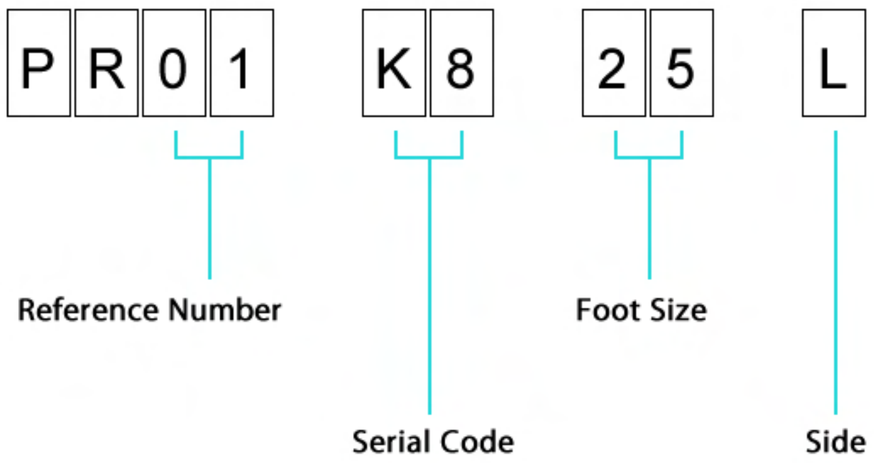
Carbon Foot Systems | Overview

Proted is continuously working on innovative products, ground-breaking technologies and new methods to better meet patients' needs. Furthermore the production processes under certain quality management systems are continuously being improved. You can examine all Proted's Carbon Foot Systems and easily select the one that suits the patient best.

	Chopart	Doha	Syme	Kule	rapidwalk	Chopart Plus	Sym Plus	Carbon Foot Plate	Carbon Foot Shell	Carbon Afo
Code	PR01.K1	PR01.K2	PR01.K3	PR01.K5	PR01.K9	PR01.K7	PR01.K8	PR01.K4	PR01.KK PR01.KS	PR20.KA
Mobility Grade	1, 2	2, 3	1, 2	2, 3	3	1, 2	1, 2	-	-	-
Side	L / R	L / R	L / R	L / R	L / R	L / R	L / R	L / R	L / R	L / R
Size (cm)	22-29	22-29	22-29	16-29	22-29	22-29	22-29	14-29	16-29	22-29
Heel Height	4 mm	10 mm	10 mm	10 mm	10 mm	7 mm	10 mm	10 mm	10 mm	10 mm
Material	Carbon	Carbon	Carbon	Carbon	Carbon	Carbon	Carbon	Carbon	PU	Carbon
Color	■	■	■	■	■	■	■	■	■ ■	■

Foot Size	cm	22	23	24	25	26	27	28	29	30	31
Europe	EU	36	37	38	39	40.5	42	43	44	45.5	47
UK		3.5	4	5	6	7	8	9	10	11	12
US men		4.5	5	6	7	8	9	10	11	12	13

Sample Order Code



General Warranty Information

Warranty and Quality Information

Warranty: 24 month limited warranty.*

Proted operates a quality management system that meets the requirements of ISO 13485 and 9001. Products are CE-marked and conform to standards and other normative documents outlined in the EC (CE) Declaration of Conformity.

* Carbon Foot Shell is not subject to any warranty but is manufacturing under all of our quality management requirements.

FOR TECHNICIANS

Implementation and Recommendations

- Carbon feet are applied to patients with foot amputation when making a prosthetic application.
- Static adjustment is made to carry the load from heel and sole.
- Lateral reference point should pass 18 mm before foot ankle joint.
- It is recommended that the use of the foot products complies with the weight given in the table.
- Maintenance and cleaning of the prosthetic feet has been conducted at Proted's manufacturing facility.
- Cleaning of feet is recommended before joining operation during prosthesis implementation.
- The shelf life is 2 years.

Warnings

- It is recommended that all requirements specified under application and recommendations be fully observed.
- Exposure to thermal environments should be kept at a minimum.
- The user should abstain from improper standing positions.
- Contact with power sources that can harm human health should be avoided.
- Exposure to direct sunlight should be avoided.
- The product should be kept away from oily environment, chemicals and acidic agents.
- During cleaning, use of chemicals and acidic agents should be avoided.
- The product should be kept away from combustible agents and fire.

Maintenance

- Periodic maintenance of the products can be performed by our firm free of charge. Contacting our firm will be enough for conduct of maintenance.
- Maintenance of products are classified as monthly and annual maintenance.
- The technical support regarding how such maintenance should be made will also be provided to those requesting it by our firm.

Responsibility

- The firms executing implementation shall be directly responsible for any problems arising from customized use by the person.
- The firms executing the implementation shall also be responsible for any problems arising from failure to use Proted products in joining applications.

The operation instructions prepared by Proted are revised in respect to compliance with existing technical design. The instructions are for health organizations and implementation centers and should be conveyed to patients. Regarding any products exclusive to person, of which function and/or operation is not clear the health organization shall prepare operation instructions.

ISO 9001 QUALITY ASSURANCE

CE

Declaration of Compliance

As Proted Prosthetics-Orthotics and Rehabilitation Co. Ltd.; we hereby declare that our products are in compliance with 93/42/EEC EU Medical Devices Directive and we have been applying TS EN ISO 9001:2001 Quality Management System in our processes.

Ordering Information:

Carbon Foot Systems

Product Code

Product Name

PR01.K2
Doha Carbon Foot

Both at home and outdoor... Doha Carbon Foot is the best choice with its flexible design. Its divided carbon spring design provides excellent stability and safe ground contact. Recommended for prosthetic users with mobility grade 3 and 4.

Key Data	
Mobility Degree	3, 4
Heel Height	10 mm
Sides	Left - Right
Material	Carbon Fiber

Its constructed sole plate and upper attachment point make the product suitable for very active and heavy patients.

Product Group

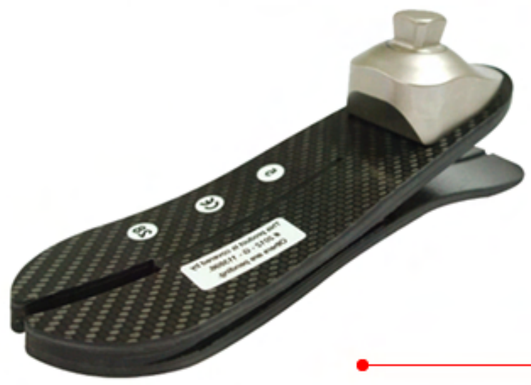
Sample Order Code

Sample Order Code

Main Code				Serie		Size		Side
P	R	0	1	K	2	2	5	L

*Removable foot shell is included.

Notice



Product Illustration



Doha Carbon Foot is especially recommended for above, below knee and hip amputation patients who are very active and over 100 kgs.

Due to its design, DOHA offers many advantages for daily use for the users with Mobility degree 2 and 3. Nothing stands in the way of sporting activities such as tennis, which subjects the user to greater impact stress. The DOHA also allows for comfortable and energy-saving walking during the daily challenges at work and at home.

DOHA's innovative heel design enables the users to perform daily activities with less energy consumption by storing the energy expended during activities and this reduces foot fatique compared with conventional designs.

Brief Description

Order Code:

Select the desired product and determine the article number. It consists of the reference number plus additional parameters such as body side, size, material and colour. The order examples on the respective catalogue pages show how the article number can be determined quickly and easily.

Order example:

Reference Number . Serie / Size . Side

PR01 K2 24 R

Detailed Info									
Series	PR01.K2 - Doha								
Mobility Grade	3, 4								
Heel Height	10 mm								
Side	Left (L), Right (R)								
Size (cm)	22	23	24	25	26	27	28	29	30
Max Body Weight	80 kgs			110 kgs			125 kgs		

proted

Prosthetics & Orthotics

MADE IN TURKEY



ISO 9001 QUALITY ASSURANCE

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PROSTHETIC FEET

Did you know?

Proted has recently won a national prize in the Smart Product and Export Growth categories referring to our sach foot collection that is offered in all skin colors.

PR01.C1
PR01.C2

Dynamic Foot for Children

Dynamic foot for children improved to meet the needs of young prosthetic limb users. It has been designed to be used in modular and exoskeletal prostheses.

Sample Order Code

Main Code				Serie	Color	Size		Side
P	R	0	1	C	1	1	8	L
P	R	0	1	C	2	1	8	L



Key Data	
Mobility Degree	1, 2
Heel Height	10 mm
Max. Load	55 kgs
Sides	Left - Right
Material	PU Material



The functional properties are achieved through the proven combination of a contoured core and functional foam. The foot distinguishes itself mainly through a comfortable heel impact and easier rollover than the SACH foot. It provides comfortable and pleasant walking for prosthetic limb users thanks to its heel flexibility and energy stocking characteristics.

The Dynamic Foot has a natural shape with a smooth surface and a split-toe design.

It has proven combination of contoured core and functional foam.

Size 14 and 15 for children are without toes.



Detailed Info								
Serie	PR01.C1 - Dynamic Foot for Children			PR01.C2 - Dynamic Foot for Children (brown)				
Mobility Grade	1, 2							
Heel Height	10 mm							
Side	Left (L), Right (R)							
Size (cm)	14	15	16	17	18	19	20	21
System Height	44 mm	46 mm	48 mm	50 mm	52 mm	54 mm	56 mm	58 mm
Weight (~)	110 g	130 g	150 g	170 g	190 g	220 g	250 g	280 g
Max Body Weight	55 kgs							
Color	Beige (PR01.C1) / Dark Brown (PR01.C2)*							

* For this product minimum order quantity is required.
Please contact our customer representatives before ordering.

Declaration of Compliance

ISO 9001 QUALITY ASSURANCE

CE

As Proted Prosthetics-Orthotics and Rehabilitation Co. Ltd.; we hereby declare that our products are in compliance with 93/42/EEC EU Medical Devices Directive and we have been applying TS EN ISO 9001:2001 Quality Management System in our processes.

Scan

PR01.S1
PR01.S2
Sach Foot

Sample Order Code

Main Code				Serie	Color	Size		Side
P	R	0	1	S	1	2	2	L
P	R	0	1	S	2	2	2	L

The feet are suitable for use in both modular and exoskeletal prostheses.

The SACH feet are recommended for patients at Mobility Levels 1 and 2 – unrestricted indoor walker and restricted outdoor walker.

Key Data	
Mobility Degree	1, 2
Heel Height	10 mm
Max. Load	125 kgs
Sides	Left - Right
Material	PU Material





The functional properties are achieved through the combination of a fibreglass-reinforced plastic core and functional foam.

SACH (Solid Ankle Cushion Heel) prosthetic feet have different heel heights and foot shapes. They feature a natural shape with a smooth surface, shaped toes.

Detailed Info								
Serie	PR01.S1 - Sach Foot PR01.S2 - Sach Foot (brown)							
Mobility Grade	1, 2							
Heel Height	10 mm							
Side	Left (L), Right (R)							
Size (cm)	22	23	24	25	26	27	28	29
System Height	65 mm	70 mm	72 mm	76 mm	78 mm	79 mm	80 mm	80 mm
Weight (~)	400 g	425 g	500 g	540 g	570 g	620 g	690 g	800 g
Max Body Weight	100 kgs							
Color	Beige (PR01.S1) / Dark Brown (PR01.S2)*							

* For this product minimum order quantity is required.
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ISO 9001 QUALITY ASSURANCE

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Scan

PR01.H1
PR01.H2

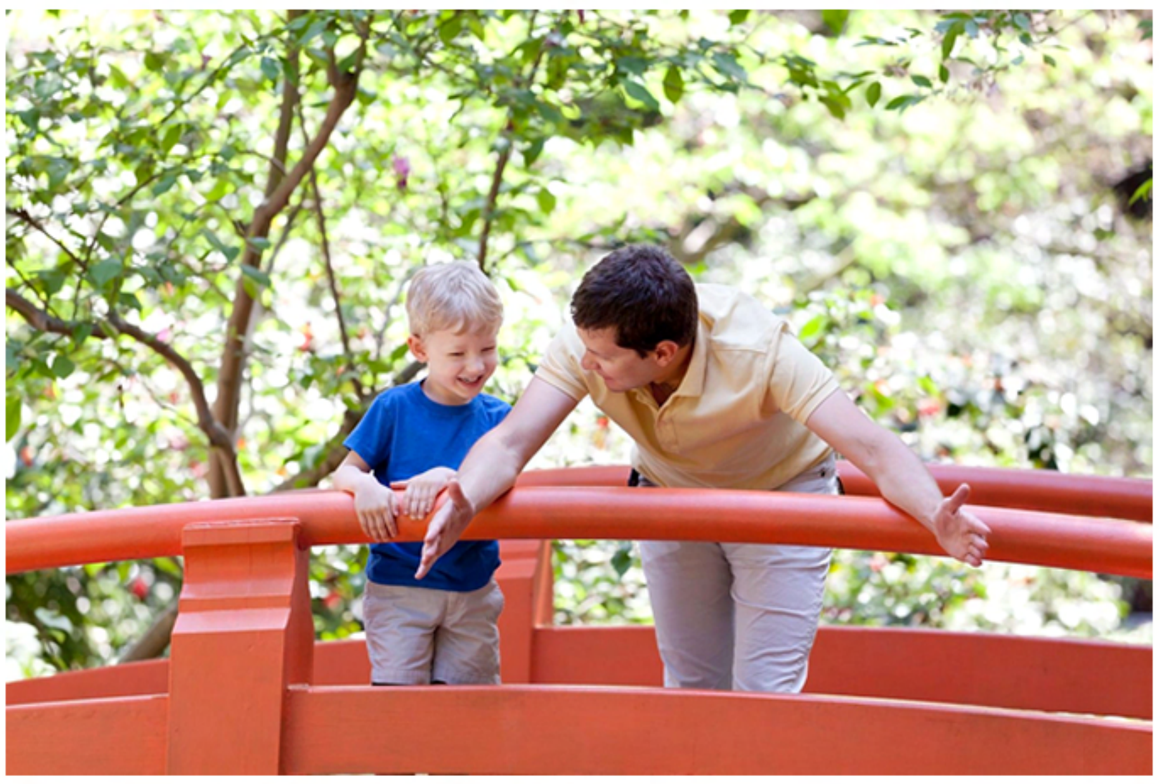
Single Axis Foot

The single-axis feet are well-suited for low-activity people with transfemoral amputations. The feet are designed to help patients quickly and securely reach foot-flat.

Sample Order Code

Main Code				Serie	Color	Size		Side
P	R	0	1	H	1	2	2	L
P	R	0	1	H	2	2	2	L

Key Data	
Mobility Degree	2, 3
Heel Height	10 mm
Max. Load	125 kgs
Sides	Left - Right
Material	PU Material





The single-axis feet are well-suited for low-activity people with transfemoral amputations. The feet are designed to help patients quickly and securely reach foot-flat. It has a natural shape, smooth surface, and formed toes.

The single-axis foot is rated to be used up to a maximum weight of 125 kilograms and different sizes are available.

Detailed Info								
Serie	PR01.H1 - Single Axis Foot PR01.H2 - Single Axis Foot (brown)							
Mobility Grade	2, 3							
Heel Height	10 mm							
Side	Left (L), Right (R)							
Size (cm)	22	23	24	25	26	27	28	29
Weight (~)	325 g	350 g	390 g	410 g	460 g	510 g	540 g	560 g
Max Body Weight	100 kgs							
Color	Beige (PR01.H1) / Dark Brown (PR01.H2)*							

* For this product minimum order quantity is required.
Please contact our customer representatives before ordering.

ISO 9001 QUALITY ASSURANCE

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Declaration of Compliance

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Scan

PR01.D1
PR01.D2

Dynamic Foot

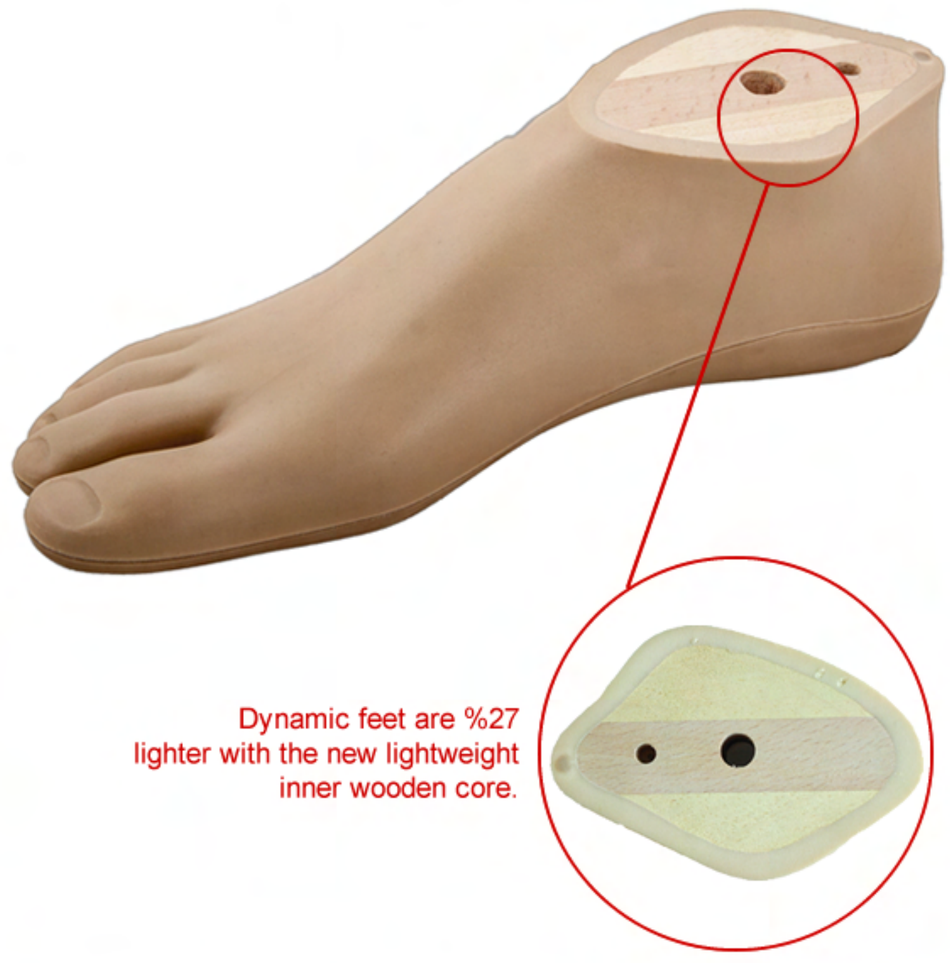
Dynamic Foot has a natural shape with a smooth surface and split toe cosmesis.

Key Data	
Mobility Degree	2, 3
Heel Height	10 mm
Max. Load	125 kgs
Sides	Left - Right
Material	PU Material



Sample Order Code

Main Code				Serie	Color	Size		Side
P	R	0	1	D	1	2	2	L
P	R	0	1	D	2	2	2	L



Dynamic feet are %27 lighter with the new lightweight inner wooden core.

The functional properties are achieved through the proven combination of a contoured core and functional foam. The foot distinguishes itself mainly through a comfortable heel impact and easier rollover than the SACH foot.

The Dynamic Foot has a natural shape with a smooth surface and split toe cosmesis.

It has a proven combination of a contoured core and functional foam.

Detailed Info								
Serie	PR01.D1 - Dynamic Foot PR01.D2 - Dynamic Foot (brown)							
Mobility Grade	2, 3							
Heel Height	10 mm							
Side	Left (L), Right (R)							
Size (cm)	22	23	24	25	26	27	28	29
System Height	64 mm	65 mm	65 mm	71 mm	72 mm	74 mm	76 mm	77 mm
Weight (~)	350 g	360 g	380 g	430 g	530 g	570 g	620 g	650 g
Max Body Weight	130 kgs							
Color	Beige (PR01.D1) / Dark Brown (PR01.D2)*							

* The product has minimum order quantity is required.
Please contact our customer representatives before ordering.

Declaration of Compliance

As Proted Prosthetics-Orthotics and Rehabilitation Co. Ltd.; we hereby declare that our products are in compliance with 93/42/EEC EU Medical Devices Directive and we have been applying TS EN ISO 9001:2001 Quality Management System in our processes.

Scan

PR01.SM
PR01.S3

Syme Foot

Made of PU material PR01.SM - Syme Foot is designed to be used in Syme amputations. PR02.SM.M10 connection adapter is supplied with the product.

Sample Order Code

Main Code				Serie	Color	Size		Side
P	R	0	1	S	M	2	2	L
P	R	0	1	S	3	2	2	L

Key Data	
Mobility Degree	1, 2
Heel Height	10 mm
Max. Load	125 kgs
Sides	Left - Right
Material	PU Material





Due to its innovative design and high-quality materials such as PU, the SYME prosthesis foot offers many advantages for daily use.

The SYME foot is rated to be used up to a maximum weight of 125 kilograms.

Detailed Info								
Serie	PR01.SM - Syme Foot PR01.S3 - Syme Foot (brown)							
Mobility Grade	1, 2							
Heel Height	10 mm							
Side	Left (L), Right (R)							
Size (cm)	22	23	24	25	26	27	28	29
Weight (~)	380 g	400 g	460 g	500 g	540 g	600 g	650 g	700 g
Max Body Weight	100 kgs							
Color	Beige (PR01.SM) / Dark Brown (PR01.S3)*							

* For this product minimum order quantity is required.
Please contact our customer representatives before ordering.

ISO 9001 QUALITY ASSURANCE

CE

Declaration of Compliance

As Proted Prosthetics-Orthotics and Rehabilitation Co. Ltd.; we hereby declare that our products are in compliance with 93/42/EEC EU Medical Devices Directive and we have been applying TS EN ISO 9001:2001 Quality Management System in our processes.

Scan

PR01.P1
PR01.P2
Pirogoff Foot

The Pirogoff foot is recommended for Pirogoff amputations. It has cosmetic cover of polyurethane.

Sample Order Code

Main Code				Serie	Color	Size		Side
P	R	0	1	P	1	2	2	L
P	R	0	1	P	2	2	2	L

Key Data	
Mobility Degree	1, 2
Heel Height	10 mm
Max. Load	125 kgs
Sides	Left - Right
Material	PU Material





The Pirogoff foot is recommended for Pirogoff amputations. It has a cosmetic cover of polyurethane.

The Pirogoff feet features a natural shape with a smooth surface, shaped toes and a sandal toe.

Shaped ankle wedge PR02.A1.040 is included.

Detailed Info								
Series	PR01.P1 - Pirogoff Foot			PR01.P2 - Pirogoff Foot (brown)				
Mobility Grade	1, 2							
Heel Height	10 mm							
Side	Left (L), Right (R)							
Size (cm)	22	23	24	25	26	27	28	29
Weight (~)	280 g	290 g	300 g	340 g	370 g	410 g	440 g	460 g
Max Body Weight	100 kgs							
Color	Beige (PR01.P1) / Dark Brown (PR01.P2)*							

* The product has minimum order quantity is required.
Please contact our customer representatives before ordering.

ISO 9001 QUALITY ASSURANCE

CE

Declaration of Compliance

As Proted Prosthetics-Orthotics and Rehabilitation Co. Ltd.; we hereby declare that our products are in compliance with 93/42/EEC EU Medical Devices Directive and we have been applying TS EN ISO 9001:2001 Quality Management System in our processes.

Scan

PR01.H3
PR01.H4

Single Axis Foot with Shaped Ankle Part

PR01.H3 is a combination of Single Axis Foot and a shaped ankle part.

Sample Order Code

P	R	0	1	H	3	2	2	L
P	R	0	1	H	4	2	2	L

Key Data	
Mobility Degree	2, 3
Heel Height	10 mm
Max. Load	125 kgs
Sides	Left - Right
Material	PU Material





Single Axis Foot with ankle part is suitable for exoskeletal prostheses. It combines PR01.H1 (Single Axis Foot) and PR02.H2 (Shaped Ankle Wedge).

It has two colors: Beige and Dark Brown.

We recommend the product to be used on the patients that have a weight of 125 kgs maximum.

Detailed Info								
Serie	PR01.H3 - S. A. Foot with Shaped Ankle Part				PR01.H4 - S. A. Foot with Shaped Ankle Part (brown)			
Mobility Grade	2, 3							
Heel Height	10 mm							
Side	Left (L), Right (R)							
Size (cm)	22	23	24	25	26	27	28	29
System Height	70 mm	75 mm	77 mm	81 mm	83 mm	84 mm	85 mm	85 mm
Weight (~)	400 g	425 g	500 g	540 g	570 g	620 g	690 g	800 g
Max Body Weight	100 kgs							
Color	Beige (PR01.H3) / Dark Brown (PR01.H4)*							

* The product has minimum order quantity is required.
Please contact our customer representatives before ordering.

ISO 9001 QUALITY ASSURANCE

CE

Declaration of Compliance

As Proted Prosthetics-Orthotics and Rehabilitation Co. Ltd.; we hereby declare that our products are in compliance with 93/42/EEC EU Medical Devices Directive and we have been applying TS EN ISO 9001:2001 Quality Management System in our processes.

Scan

Prosthetic Feet | Overview

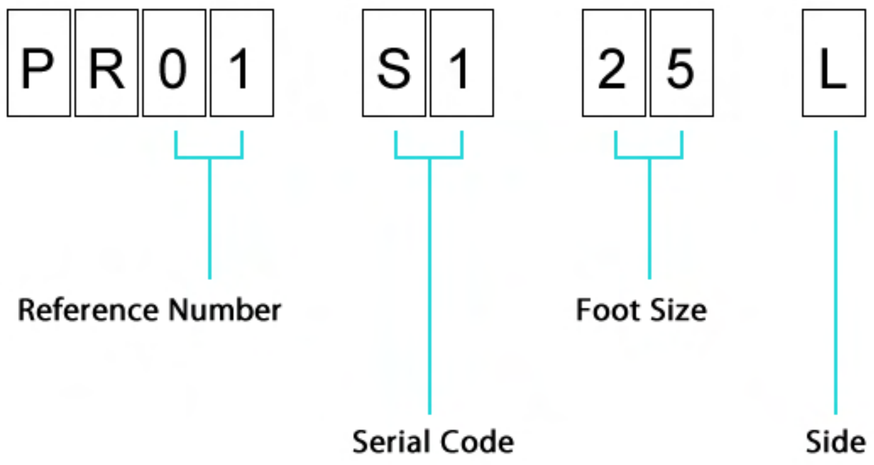
Proted is continuously working on innovative products, ground-breaking technologies and new methods to better meet patients' needs. Furthermore the production processes under certain quality management systems are continuously being improved. You can examine all Proted's PU prosthetic feet and easily select the one that suits the patient best.

	Dynamic Foot for Children	Sach	Single Axis	Dynamic	Syme	Pirogoff	Single Axis Foot w/ shaped ankle part
							
Code	PR01.C1 PR01.C2	PR01.S1 PR01.S2	PR01.H1 PR01.H2	PR01.D1 PR01.D2	PR01.SM PR01.S3	PR01.P1 PR01.P2	PR01.H3 PR01.H4
Mobility Grade	1, 2	1, 2	2, 3	1, 2	1, 2	1, 2	2, 3
Side	L / R	L / R	L / R	L / R	L / R	L / R	L / R
Size (cm)	14-21	22-29	22-29	22-29	22-29	22-29	22-29
Weight (~)*	190 gr	540 gr	410 gr	430 gr	500 gr	340 gr	540 gr
Heel Height	10 mm	10 mm	10 mm	10 mm	10 mm	10 mm	10 mm
Max Body Weight	55 kgs	125 kgs	125 kgs	125 kgs	125 kgs	125 kgs	125 kgs
Material	PU	PU	PU	PU	PU	PU	PU
Color							

* The weight values in the table are average based values based on size 18 for PR01.C1 (Dynamic foot for children) and size 25 for all other foot models.

Foot Size	cm	22	23	24	25	26	27	28	29	30	31
Europe	EU	36	37	38	39	40.5	42	43	44	45.5	47
UK		3.5	4	5	6	7	8	9	10	11	12
US men		4.5	5	6	7	8	9	10	11	12	13

Sample Order Code



General Warranty Information

Warranty and Quality Information

Warranty: 24 month limited warranty.

Proted operates a quality management system that meets the requirements of ISO 13485 and 9001. Products are CE-marked and conform to standards and other normative documents outlined in the EC (CE) Declaration of Conformity.

FOR TECHNICIANS

Implementation and Recommendations

- Prosthetic feet are applied to patients with foot amputation when making a prosthetic application.
- Static adjustment is made to carry the load from heel and sole.
- Lateral reference point should pass 18 mm before foot ankle joint.
- Use of them as per weight values given in table for foot products is recommended.
- PR01.H1 Moving foot should be used with PR02.H1 (moving foot joint) and PR02.HM (connection cap for moving foot).
- PR01.S1 Sach foot should be used with PR02.S1 (Sach foot joint) and PR02.SM (Sach foot connection cap).
- The initial assembling and cleaning processes have been conducted in Proted's manufacturing units.
- Cleaning of the feet is recommended before the prosthetic application.
- The shelf life is 2 years.

Warnings

- It is recommended that all requirements specified under application and recommendations are fully observed.
- Exposure to thermal environment (too hot or cold temperatures, moisture, ventilation) should be kept at a minimum.
- The user should abstain from improper standing positions. Please follow the technician's advice regarding correct standing positions.
- Contact with power sources that can harm human health should be avoided.
- Exposure to direct sunlight should be avoided.
- The product should be kept away from oily environments, chemicals and acidic agents.
- During cleaning, use of chemicals and acidic agents should be avoided.
- The product should be kept away from combustible agents and fire.

Maintenance

- Periodic maintenance of the products can be performed by our company free of charge. Contacting Proted for such requests is sufficient.
- Maintenance of products are classified as monthly and annual maintenance.
- The technical support regarding how such maintenance should be made will also be provided, to those requesting it, by our company.

Responsibility

- The firms executing implementation shall be directly responsible for any problems arising from customized use by the person.
- The firms executing the implementation shall also be responsible for any problems arising from failure to use Proted products in joining applications.

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ISO 9001 QUALITY ASSURANCE

CE

Declaration of Compliance

As Proted Prosthetics-Orthotics and Rehabilitation Co. Ltd.; we hereby declare that our products are in compliance with 93/42/EEC EU Medical Devices Directive and we have been applying TS EN ISO 9001:2001 Quality Management System in our processes.

Ordering Information:

Product Code

Product Name

Sample Order Code

Prosthetic Foot

PR01.H1

Single Axis Foot

The single-axis feet are well-suited for low-activity people with transfemoral amputations. The feet are designed to help patients quickly and securely reach foot-flat.

Sample Order Code

Main Code				Serie		Size		Side
P	R	0	1	H	1	2	2	L

Notice

Key Data	
Mobility Degree	2, 3
Heel Height	10 mm
Sides	Left - Right
Material	PU Material



Product Illustration

Product Group



The single-axis feet are well-suited for low-activity people with transfemoral amputations. The feet are designed to help patients quickly and securely reach foot-flat. It has a natural shape, smooth surface, and formed toes.

The single-axis foot is rated to be used up to a maximum weight of 100 kilograms and different sizes are available.

Brief Description

Order Code:

Select the desired product and determine the article number. It consists of the reference number plus additional parameters such as body side, size, material and colour. The order examples on the respective catalogue pages show how the article number can be determined quickly and easily.

Order example:

Reference Number . Serie / Size . Side

PR01 H1 24 R

Detailed Info								
Serie	PR01.H1 - Single Axis Foot							
Mobility Grade	2, 3							
Heel Height	10 mm							
Side	Left (L), Right (R)							
Size (cm)	22	23	24	25	26	27	28	29
Weight (~)	325 g	350 g	390 g	410 g	460 g	510 g	540 g	560 g
Max Body Weight	100 kgs							
Color	Beige, Dark Brown							

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Prosthetics & Orthotics

MADE IN TURKEY



ISO 9001 QUALITY ASSURANCE

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CONNECTION ADAPTERS

PR02.S1.M08
PR02.S1.M10

Sach Foot Adapter - S. Steel

Lower extremity modular prosthetic parts used to connect PR01.D1 and PR01.S1



Product Code	Weight	Material	Max. Body Weight
PR02.S1.M08	~ 118 gr	Stainless Steel	100 kgs
PR02.S1.M10	~ 136 gr	Stainless Steel	100 kgs

PR02.S2.M08
PR02.S2.M10

Sach Foot Adapter - Titanium

Titanium adapter for Sach feet.



Product Code	Weight	Material	Max. Body Weight
PR02.S2.M08	~75 gr	Titanium	100 kgs
PR02.S2.M10	~96 gr	Titanium	100 kgs

PR02.SA.M08
PR02.SA.M10

Sach Foot Adapter - Aluminium

Sach foot made of PU material designed to be used in modular and exoskeletal prostheses.



Product Code	Weight	Material	Max. Body Weight
PR02.SA.M08	~ 75 gr	Aluminium	75 kgs
PR02.SA.M10	~ 59 gr	Aluminium	75 kgs

PR02.H1.025
PR02.H1.030

Single Axis Foot Adapter

Single axis foot adapter to be used with a single axis foot.

PR02.H1.025 : For sizes between 22-25
PR02.H1.030 : For sizes between 26-29



Product Code	Weight	Material	Max. Body Weight
PR02.H1.025	~323 gr	Stainless Steel	100 kgs
PR02.H1.030	~329 gr	Stainless Steel	100 kgs

PR02.HA.025
PR02.HA.030

Single Axis Foot Adapter

Single axis foot adapter with shaped ankle part, designed to be used together with the single axis foot.



Product Code	Weight	Material	Max. Body Weight
PR02.HA.025	***	Aluminium	100 kgs
PR02.HA.030	***	Aluminium	100 kgs

PR02.H2.025
PR02.H2.030

Single Axis Foot Adapter & Wedge

Single axis foot adapter with shaped ankle part, designed to be used together with the single axis foot. Made of strong and light wood.



Product Code	Weight	Material	Max. Body Weight
PR02.H2.025	~323 gr	S. Steel & Wood	100 kgs
PR02.H2.030	~329 gr	S. Steel & Wood	100 kgs

PR02.SM.M10

Adapter for Syme Foot

Syme foot adapter made of stainless steel designed to use in syme prostheses.



Size Range	Weight	Material
22-30 cm	~100 gr	Stainless Steel

PR02.SM

Sach/Dynamic Foot Connection Plate

The sach foot connection plate is designed to be used with PR02.S1, PR02.S2 and PR02.SA foot adapters. Glue must be used on the foam cover to ensure adhesion to the adapter.

Main Code				Serie	
P	R	0	2	S	M



Size Range	Weight	Material
22-30 cm	~16 gr	Plastic

PR02.HM

Single Axis Foot Connection Plate

Single Axis Foot Connection Plate to be used together with single axis foot (PR01.H1) and single axis foot adapter (PR02.H1).

Main Code				Serie	
P	R	0	2	H	M



Size Range	Weight	Material
22-30 cm	~12 gr	Plastic

PR02.A1.025
PR02.A1.030

Shaped Ankle Wedge

Shaped ankle wedge to be used together with PR01.S1, PR01.D1 and PR02.AV.M10



Product Code	Size	Weight	Material
PR02.A1.025	22-25 cm	~238 gr	Wood
PR02.A1.030	26-30 cm	~311 gr	Wood

PR02.AV.M08
PR02.AV.M10

Wedge Coupling Bolt

Screw connection to be used with PR02.A1



Product Code	Bolt Diameter	Weight	Material
PR02.AV.M08	M8	~58 gr	S. Steel & Plastic
PR02.AV.M10	M10	~89 gr	S. Steel & Plastic

PR02.A1.040

Ankle Wedge for Pirogoff Foot

Ankle wedge used together with Pirogoff Foot.

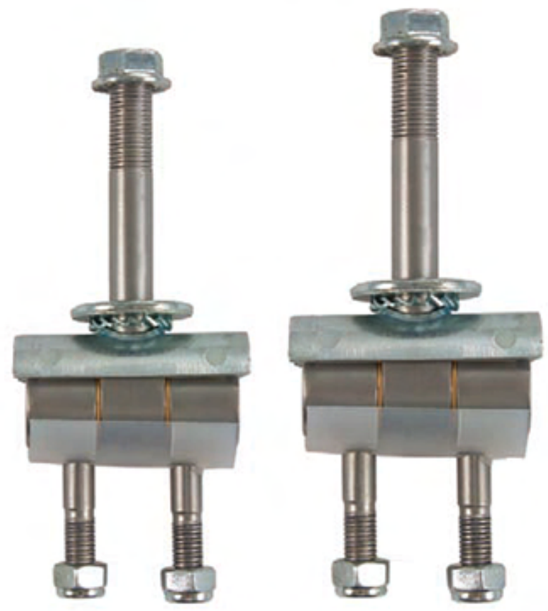


Size Range	Weight	Material
22-30 cm	~352 gr	Wood

PR02.H3.025
PR02.H3.030

Single Axis Foot Adapter for Shaped Ankle Part

Single Axis foot adapter, designed to be used together with the single axis foot (PR01.H1) and the single axis foot adapter with shaped ankle part (PR02.H4).



Product Code	Sizes	Weight	Material	Max. Body Weight
PR02.H3.025	22-25 cm	~320 gr	Stainless Steel	100 kgs
PR02.H3.030	26-30 cm	~325 gr	Stainless Steel	100 kgs

PR02.H4.025
PR02.H4.030

Shaped Foot Part

Single axis foot adapter with shaped ankle part, designed to be used with single axis foot (PR01.H1) and single axis foot adapter (PR02.H3).



Product Code	Sizes	Material	Max. Body Weight
PR02.H4.025	22-25 cm	Wood	100 kgs
PR02.H4.030	26-30 cm	Wood	100 kgs

Ordering Information:

Connection Adapters

Product Code

Product Name

PR02.S1.M08
PR02.S1.M10
Sach Foot Adapter - S. Steel

Lower extremity modular prosthetic parts used to connect PR01.D1 and PR01.S1



Product Illustration

Product Code	Weight	Material	Max. Body Weight
PR02.S1.M08	~ 118 gr	Stainless Steel	100 kgs
PR02.S1.M10	~ 136 gr	Stainless Steel	100 kgs

Product Group

Order Code:

Select the desired product and determine the article number. It consists of the reference number plus additional parameters such as body side, size, material and colour. The order examples on the respective catalogue pages show how the article number can be determined quickly and easily.

Order example:

Reference Number . Serie / Size

PR02 S1 M08

Product Code	Weight	Material	Max. Body Weight
PR02.S1.M08	~ 118 gr	Stainless Steel	100 kgs
PR02.S1.M10	~ 136 gr	Stainless Steel	100 kgs

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ADAPTER TUBES

PR03.T1.K30
PR03.T1.U30

Adapter Tube

Adapter Tubes used to connect lower extremity modular prosthetic parts.



Product Code	Diameter	Length	Weight	Material	Max. Body Weight
PR03.T1.K30	Ø 30 mm	265 mm	~220 gr	Stainless Steel	100 kgs
PR03.T1.U30	Ø 30 mm	415 mm	~296 gr	Stainless Steel	100 kgs

PR03.T2.K30
PR03.T2.U30

Adapter Tube

Adapter Tubes used to connect lower extremity modular prosthetic parts.



Product Code	Diameter	Length	Weight	Material	Max. Body Weight
PR03.T2.K30	Ø 30 mm	265 mm	~190 gr	Titanium	100 kgs
PR03.T2.U30	Ø 30 mm	415 mm	~250 gr	Titanium	100 kgs

PR03.T3.K30
PR03.T3.U30

Adapter Tube

Adapter Tubes used to connect lower extremity modular prosthetic parts.



Product Code	Diameter	Length	Weight	Material	Max. Body Weight
PR03.T3.K30	Ø 30 mm	265 mm	~165 gr	Aluminium	75 kgs
PR03.T3.U30	Ø 30 mm	415 mm	~230 gr	Aluminium	75 kgs

PR03.T1.U34
PR03.T1.K34

Adapter Tube (Hidden Head)

Adapter Tubes used to connect lower extremity modular prosthetic parts. With its special head design; the adapter tube is the best choice on long socket applications.



Product Code	Diameter	Length	Weight	Material	Max. Body Weight
PR03.T1.K34	Ø 34 mm	265 mm	~260 gr	Stainless Steel	135 kgs
PR03.T1.U34	Ø 34 mm	415 mm	~339 gr	Stainless Steel	135 kgs

PR03.TG.K30
PR03.TG.U30

Adapter Tube (Hidden Head)

With its special head design; the adapter tube is the best choice on long socket applications.



Product Code	Diameter	Length	Weight	Material	Max. Body Weight
PR03.TG.K30	Ø 30 mm	265 mm	~230 gr	Stainless Steel	100 kgs
PR03.TG.U30	Ø 30 mm	415 mm	~250 gr	Stainless Steel	100 kgs

PR03.TC.A25
PR03.TC.125

Adapter Tube



Product Code	Diameter	Length	Weight	Angle	Material	Max. Body Weight
PR03.TC.A25	Ø 25 mm	362 mm	~200 gr	10º	Aluminium	55 kgs
PR03.TC.125	Ø 25 mm	360 mm	~200 gr	-	Aluminium	55 kgs

PR03.K6.L01

Carbon Bar

Carbon fiber bar used to connect lower extremity modular prosthetic parts.

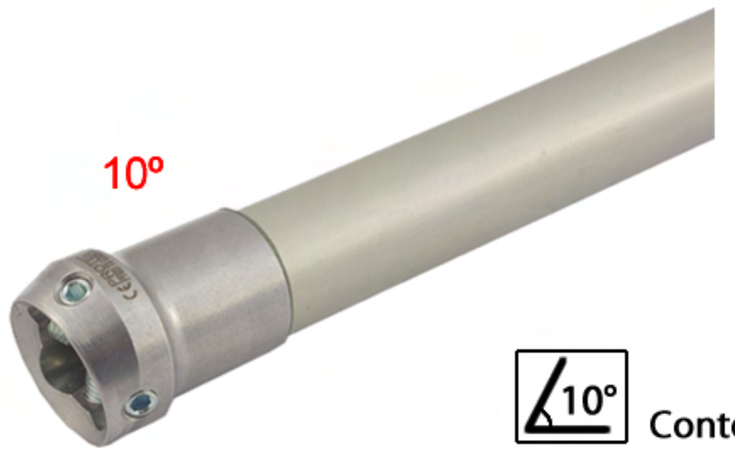


Mobility Grade	Amputation Level	Width	Length	Material	Max. Body Weight
1 / 2 / 3 / 4	BK / AK	8 mm - 40 mm	350 mm	Carbon	130 kgs

PR03.T5.K30
PR03.T5.U30

Adapter Tube

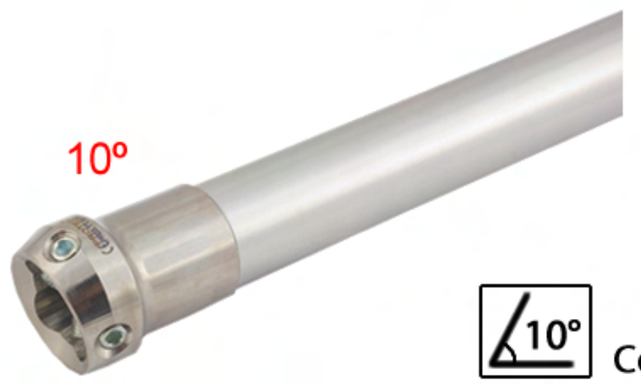
Adapter Tube with 10º contoured head used to connect lower extremity modular prosthetic parts.



Product Code	Diameter	Length	Weight	Angle	Material	Max. Body Weight
PR03.T5.K30	Ø 30 mm	266 mm	~259 gr	10º	Stainless Steel	100 kgs
PR03.T5.U30	Ø 30 mm	417 mm	~337 gr	10º	Stainless Steel	100 kgs

PR03.TT.K30
PR03.TT.U30

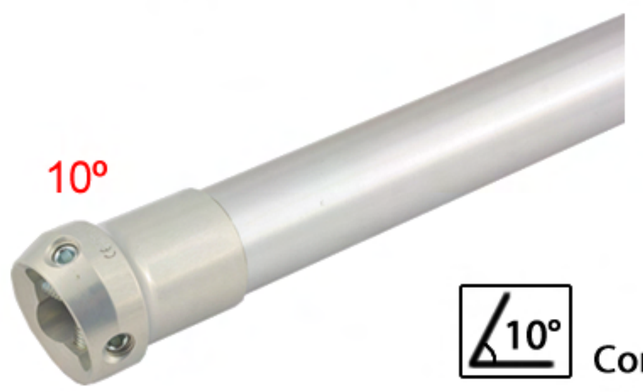
Adapter Tube



Product Code	Diameter	Length	Weight	Angle	Material	Max. Body Weight
PR03.TT.K30	Ø 30 mm	266 mm	~195 gr	10º	Titanium	100 kgs
PR03.TT.U30	Ø 30 mm	417 mm	~235 gr	10º	Titanium	100 kgs

PR03.TA.K30
PR03.TA.U30

Adapter Tube



Product Code	Diameter	Length	Weight	Angle	Material	Max. Body Weight
PR03.TA.K30	Ø 30 mm	266 mm	~195 gr	10º	Aluminium	75 kgs
PR03.TA.U30	Ø 30 mm	417 mm	~268 gr	10º	Aluminium	75 kgs

PR03.K6.022
PR03.K6.025
PR03.K6.030
PR03.K6.034

Carbon Adapter Tube



Product Code	Diameter	Length	Weight	Angle	Material	Max. Body Weight
PR03.K6.022	Ø 22 mm	360 mm	~200 gr	-	Carbon-Aluminium	65 kgs
PR03.K6.025	Ø 25 mm	360 mm	~220 gr	-	Carbon-Aluminium	75 kgs
PR03.K6.030	Ø 30 mm	415 mm	~240 gr	-	Carbon-S. Steel	125 kgs
PR03.K6.034	Ø 34 mm	415 mm	~260 gr	-	Carbon-S. Steel	125 kgs

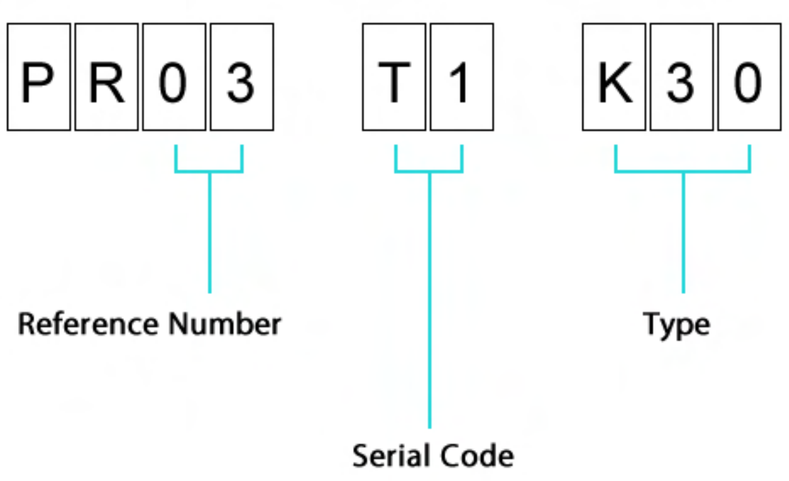
Adapter Tubes | Overview

Proted is continuously working on innovative products, ground-breaking technologies and new methods to better meet patients' needs. Furthermore the production processes under certain quality management systems are continuously being improved. You can examine all Proted's Adapter Tubes and easily select the one that suits the patient best.

		Diameter (mm)	Length (mm)	Weight (gr)	Angle	Max. Load (kgs)	Material			
							Aluminium	S. Steel	Titanium	Carbonfiber
PR03.T1	K30	Ø 30 mm	265 mm		-	100 kgs		●		
	U30	Ø 30 mm	415 mm		-	100 kgs		●		
PR03.T2	K30	Ø 30 mm	265 mm		-	100 kgs			●	
	U30	Ø 30 mm	415 mm		-	100 kgs			●	
PR03.T3	K30	Ø 30 mm	265 mm		-	75 kgs	●			
	U30	Ø 30 mm	415 mm		-	75 kgs	●			
PR03.T1	K34	Ø 34 mm	265 mm		-	135 kgs		●		
	U34	Ø 34 mm	415 mm		-	135 kgs		●		
PR03.TG	K30	Ø 30 mm	265 mm		-	100 kgs		●		
	U30	Ø 30 mm	415 mm		-	100 kgs		●		
PR03.TC	A25	Ø 25 mm	362 mm		10°	55 kgs	●			
	125	Ø 25 mm	360 mm		-	55 kgs	●			
PR03.K6	L01	8 mm / 40 mm*	350 mm		-	130 kgs				●
PR03.T5	K30	Ø 30 mm	266 mm		10°	100 kgs		●		
	U30	Ø 30 mm	417 mm		10°	100 kgs		●		
PR03.TT	K30	Ø 30 mm	266 mm		10°	100 kgs			●	
	U30	Ø 30 mm	417 mm		10°	100 kgs			●	
PR03.TA	K30	Ø 30 mm	266 mm		10°	75 kgs	●			
	U30	Ø 30 mm	417 mm		10°	75 kgs	●			
PR03.K6	022	Ø 22 mm	360 mm		-	65 kgs	●			●
	025	Ø 25 mm	360 mm		-	75 kgs	●			●
	030	Ø 30 mm	415 mm		-	125 kgs		●		●
	034	Ø 34 mm	415 mm		-	125 kgs		●		●

* Thickness and Width

Sample Order Code



General Warranty Information

Warranty and Quality Information

Warranty: 24 month limited warranty.

Proted operates a quality management system that meets the requirements of ISO 13485 and 9001. Products are CE-marked and conform to standards and other normative documents outlined in the EC (CE) Declaration of Conformity.

FOR TECHNICIANS

Implementation and Recommendations

- Tube adapters are used in order to replace a connection or some functions of the foot when applying a prosthesis to patients with an amputation.
- In static adjustment, it shall be adjusted in a manner the load is supported from heel and sole.
- Use of them as per weights given in table for adapter products is recommended.
- Cleaning the adapters is recommended before the prosthetic application.
- Maintenance and cleaning of the adapters have been made at Proted's manufacturing facilities.
- It is recommended that adapters be used with Proted parts compatible with adapters.
- The shelf life is 2 years.

The connection parts features a milimetric adjustable function that allows rotational movements, thereby advancing the user and technician at the same time.

Warnings

- It is recommended that all requirements specified under application and recommendations be fully observed.
- Exposure to thermal environments should be kept at a minimum.
- The user should abstain from improper standing positions. Please take the information from the technician about the improper standing positions.
- Contact with power sources that can harm human health should be avoided.
- Exposure to direct sunlight should be avoided.
- The product should be kept away from oily environment, chemicals and acidic agents.
- During cleaning, use of chemicals and acidic agents should be avoided.
- The product should be kept away from combustible agents and fire.

Maintenance

- Periodic maintenance of the products can be performed by our firm for free of charge. Contacting our firm will be enough for conduct of maintenance.
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Ordering Information:

Adapter Tubes

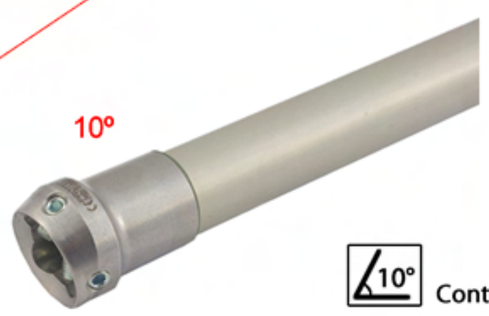
Product Code

Product Name

Brief Description

PR03.T5.K30
PR03.T5.U30
Adapter Tube

Adapter Tube with 10° contoured head used to connect lower extremity modular prosthetic parts.



10° Contoured

Notice

Product Code	Diameter	Length	Weight	Angle	Material	Max. Body Weight
PR03.T5.K30	Ø 30 mm	266 mm	~259 gr	10°	Stainless Steel	100 kgs
PR03.T5.U30	Ø 30 mm	417 mm	~337 gr	10°	Stainless Steel	100 kgs

PR03.TT.K30
PR03.TT.U30
Adapter Tube



10° Contoured

Product Illustration

Product Group

Product Code	Diameter	Length	Weight	Angle	Material	Max. Body Weight
PR03.TT.K30	Ø 30 mm	266 mm	~195 gr	10°	Titanium	100 kgs
PR03.TT.U30	Ø 30 mm	417 mm	~235 gr	10°	Titanium	100 kgs

Order Code:

Select the desired product and determine the article number. It consists of the reference number plus additional parameters such as body side, size, material and colour. The order examples on the respective catalogue pages show how the article number can be determined quickly and easily.

Order example:

Reference Number . Serie / Size

PR01 K2 K30

Product Code	Diameter	Length	Weight	Angle	Material	Max. Body Weight
PR03.T5.K30	Ø 30 mm	266 mm	~259 gr	10°	Stainless Steel	100 kgs
PR03.T5.U30	Ø 30 mm	417 mm	~337 gr	10°	Stainless Steel	100 kgs

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TUBE ADAPTERS

PR03.Y1.030
PR03.Y2.030
PR03.Y3.030

Tube Adapter Ø 30 mm



Tube adapters used to connect lower extremity modular prosthetic parts.

Product Code	Diameter	Lenght	Weight	Material	Max. Body Weight
PR03.Y1.030	Ø 30 mm	47,5 mm	~135 gr	Stainless Steel	100 kgs
PR03.Y2.030	Ø 30 mm	47,5 mm	~ 92 gr	Titanium	100 kgs
PR03.Y3.030	Ø 30 mm	47,5 mm	~ 69 gr	Aluminium	75 kgs

PR03.YC.002

Tube Adapter Ø 25 mm



Product Code	Diameter	Lenght	Weight	Material	Max. Body Weight
PR03.YC.002	Ø 25 mm	40 mm	~45 gr	Aluminium	55 kgs

PR03.Y4.C30
PR03.Y4.T30
PR03.Y4.A30

Tube Clamp Adapter, Contoured 10º









Product Code	Diameter	Lenght	Weight	Angle	Material	Max. Body Weight
PR03.Y4.C30	Ø 30 mm	33 mm	~147 gr	10º	S. Steel	100 kgs
PR03.Y4.T30	Ø 30 mm	33 mm	~100 gr	10º	Titanium	100 kgs
PR03.Y4.A30	Ø 30 mm	33 mm	~ 75 gr	10º	Aluminium	75 kgs

PR03.EK.C01

Sliding Adapter Ø 30 mm



Product Code	Diameter	Height	Weight	Sliding Range	Material	Max. Body Weight
PR03.EK.C01	Ø 30 mm	70 mm	~278 gr	12 mm	S. Steel	100 kgs

PR03.UK.C01
PR03.UK.T01
PR03.UK.A01

Sliding Tube Adapter

Tube adapters with sliding heads used to connect lower extremity modular prosthetic parts.



Product Code	Diameter	Lenght	Weight	Sliding Range	Material	Max. Body Weight
PR03.UK.C01	Ø 30 mm	65,5 mm	~312 gr	12 mm	S. Steel	100 kgs
PR03.UK.T01	Ø 30 mm	65,5 mm	~201 gr	12 mm	Titanium	100 kgs
PR03.UK.A01	Ø 30 mm	65,5 mm	~125 gr	12 mm	Aluminium	75 kgs

PR03.E1.030

Tube Clamp Adapter



Product Code	Diameter	Weight	Material
PR03.E1.030	Ø 30 mm	~101 gr	Stainless Steel

PR03.Y6.030
PR03.Y6.034

Lightweight Metal Adapter



Stainless steel made metal adapter to be used with adapter tubes.

Product Code	Diameter	Weight	Material
PR03.Y6.030	Ø 30 mm	~170 gr	Stainless Steel
PR03.Y6.034	Ø 34 mm	~200 gr	Stainless Steel

PR03.K7.L01

Lightweight Metal Adapter

Alloyed Aluminium made metal adapter to be used with Carbon Bars.



Product Code	Thickness	Width	Material
PR03.K7.L01	8 mm	40 mm	Alloyed Aluminium

PR03.K7.030
PR03.K7.034

Lightweight Metal Adapter

Alloyed Aluminium made metal adapter to be used with Carbon Bars.



Product Code	Diameter	Weight	Material
PR03.K7.030	Ø 30 mm	~ 140 gr	Alloyed Aluminium
PR03.K7.034	Ø 34 mm	~ 160 gr	Alloyed Aluminium

PR03.DK.D01

Rotatable Sliding Adapter

PR03.DK.D01 enables the technicians to make fine adjustments of the prosthesis system with adapter's both rotate and slide functions.

new



Slide Moveable Rotatable

Product Code	Weight	Material
PR03.DK.D01	~312 gr	Stainless Steel

PR03.U1.032
PR03.U1.040
PR03.U1.060
PR03.U1.080

Double Adapters



Product Code	System Height	Weight	Material	Max. Body Weight
PR03.U1.032	32 mm	~144 gr	S. Steel	125 kgs
PR03.U1.040	40 mm	~157 gr	S. Steel	125 kgs
PR03.U1.060	60 mm	~186 gr	S. Steel	125 kgs
PR03.U1.080	80 mm	~214 gr	S. Steel	125 kgs

PR03.U4.040
PR03.U4.060
PR03.U4.080
PR03.U4.100

Extension Adapters



Product Code	System Height	Weight	Material	Max. Body Weight
PR03.U4.040	40 mm	~124 gr	S. Steel	125 kgs
PR03.U4.060	60 mm	~162 gr	S. Steel	125 kgs
PR03.U4.080	80 mm	~205 gr	S. Steel	125 kgs
PR03.U4.100	100 mm	~236 gr	S. Steel	125 kgs

Tube Adapters | Overview

Tube adapters are the joining and power transmission parts made of different materials. They are available in different sizes and diameters intended for support and correction, consistent with each other and substituting some different functions of the leg in lower extremity prosthetic applications.

	Diameter	Angle	Width	Weight	Sliding Range	Length	Max. Load	Material
PR03.Y1.030	Ø 30 mm	-	-	~135 gr	-	47,5 mm	100 kgs	S. Steel
PR03.Y2.030	Ø 30 mm	-	-	~92 gr	-	47,5 mm	100 kgs	Titanium
PR03.Y3.030	Ø 30 mm	-	-	~69 gr	-	47,5 mm	75 kgs	Aluminium
PR03.YC.002	Ø 30 mm	-	-	~45 gr	-	40,0 mm	55 kgs	Aluminium
PR03.Y4.C30	Ø 30 mm	10°	-	~147 gr	-	33,0 mm	100 kgs	S. Steel
PR03.Y4.T30	Ø 30 mm		-	~100 gr	-	33,0 mm	100 kgs	Titanium
PR03.Y4.A30	Ø 30 mm		-	~75 gr	-	33,0 mm	75 kgs	Aluminium
PR03.UK.C01	Ø 30 mm	-	-	~312 gr	12 mm	65,5 mm	100 kgs	S. Steel
PR03.UK.T01	Ø 30 mm	-	-	~201 gr	12 mm	65,5 mm	100 kgs	Titanium
PR03.UK.A01	Ø 30 mm	-	-	~125 gr	12 mm	65,5 mm	75 kgs	Aluminium
PR03.Y6.030	Ø 30 mm	-	-	~120 gr	-	-	-	Aluminium
PR03.Y6.034	Ø 34 mm	-	-	~208 gr	-	-	-	Aluminium
PR03.K7.L01	-	-	40 mm	~273 gr	-	-	-	Aluminium
PR03.K7.D30	Ø 30 mm	-	-	~120 gr	-	-	-	Aluminium
PR03.K7.D34	Ø 34 mm	-	-	~208 gr	-	-	-	Aluminium
PR03.U1.032	SH: 32 mm	-	-	~144 gr	-	-	125 kgs	S. Steel
PR03.U1.040	SH: 40 mm	-	-	~157 gr	-	-	125 kgs	S. Steel
PR03.U1.060	SH: 60 mm	-	-	~186 gr	-	-	125 kgs	S. Steel
PR03.U1.080	SH: 80 mm	-	-	~214 gr	-	-	125 kgs	S. Steel
PR03.U4.040	SH: 40 mm	-	-	~124 gr	-	-	125 kgs	S. Steel
PR03.U4.060	SH: 60 mm	-	-	~162 gr	-	-	125 kgs	S. Steel
PR03.U4.080	SH: 80 mm	-	-	~205 gr	-	-	125 kgs	S. Steel
PR03.U4.100	SH:100 mm	-	-	~236 gr	-	-	125 kgs	S. Steel
PR03.EK.C01	Ø 30 mm	-	-	~278 gr	12 mm	-	100 kgs	S. Steel

* SH: System Height

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General Warranty Information

Warranty and Quality Information

Warranty: 24 month limited warranty.

Proted operates a quality management system that meets the requirements of ISO 13485 and 9001. Products are CE-marked and conform to standards and other normative documents outlined in the EC (CE) Declaration of Conformity.

FOR TECHNICIANS

Implementation and Recommendations

- Tube adapters are used as connection parts in lower extremity prosthetic applications.
- In static adjustments, it shall be adjusted in a manner that the load is supported from heel and sole.
- Use of the tube adapters should be according to the weight values given in the table.
- Cleaning the adapters again is recommended before a prosthetic application.
- Initial cleaning of the adapters have been made at Proted's manufacturing facility.
- It is recommended that adapters be used with Proted parts compatible with adapters.
- The shelf life is 2 years.

The connection parts features a milimetric adjustable function that allows rotational movements, thereby advancing the user and technician at the same time.

Warnings

- It is recommended that all requirements specified under application and recommendations be fully observed.
- Exposure to thermal environments should be kept at a minimum.
- The user should abstain from improper standing positions. In case of any doubt please request the information from our company or the technician about improper standing positions.
- Contact with power sources that can harm human health should be avoided.
- Exposure to direct sunlight should be avoided.
- The product should be kept away from oily environment, chemicals and acidic agents.
- During cleaning, use of chemicals and acidic agents should be avoided.
- It should be kept away from combustible agents and fire.

Maintenance

- Periodic maintenance of the products can be performed by our firm free of charge. Contacting our firm will be enough for conduct of maintenance.
- Maintenance of products are classified as monthly and annual maintenance.
- The technical support regarding how such maintenance should be made will also be provided those requesting it by our firm.

Responsibility

- The firms executing implementation shall be directly responsible for any problems arising from customized use by the person.
- The firms executing the implementation shall also be responsible for any problems arising from failure to use Proted products in joining applications.

The operation instructions prepared by Proted are revised in respect to compliance with existing technical design. The instructions are for health organizations and implementation centers and should be conveyed to patients. Regarding any products exclusive to person, of which function and/or operation is not clear the health organization shall prepare operation instructions.

ISO 9001 QUALITY ASSURANCE

CE

Declaration of Compliance

As Proted Prosthetics-Orthotics and Rehabilitation Co. Ltd.; we hereby declare that our products are in compliance with 93/42/EEC EU Medical Devices Directive and we have been applying TS EN ISO 9001:2001 Quality Management System in our processes.

Ordering Information:

Product Code

PR03.Y1.030
PR03.Y2.030
PR03.Y3.030

Product Name

Tube Adapter Ø 30 mm

Brief Description

Tube adapters used to connect lower extremity modular prosthetic parts.



Product Illustration

Tube Adapters

Product Group

Product Code	Diameter	Lenght	Weight	Material	Max. Body Weight
PR03.Y1.030	Ø 30 mm	47,5 mm	~135 gr	Stainless Steel	100 kgs
PR03.Y2.030	Ø 30 mm	47,5 mm	~ 92 gr	Titanium	100 kgs
PR03.Y3.030	Ø 30 mm	47,5 mm	~ 69 gr	Aluminium	75 kgs

Order Code:

Select the desired product and determine the article number. It consists of the reference number plus additional parameters such as body side, size, material and colour. The order examples on the respective catalogue pages show how the article number can be determined quickly and easily.

Order example:

Reference Number . Serie / Size

PR03 Y1 030

Product Code	Diameter	Lenght	Weight	Material	Max. Body Weight
PR03.Y1.030	Ø 30 mm	47,5 mm	~135 gr	Stainless Steel	100 kgs
PR03.Y2.030	Ø 30 mm	47,5 mm	~ 92 gr	Titanium	100 kgs
PR03.Y3.030	Ø 30 mm	47,5 mm	~ 69 gr	Aluminium	75 kgs

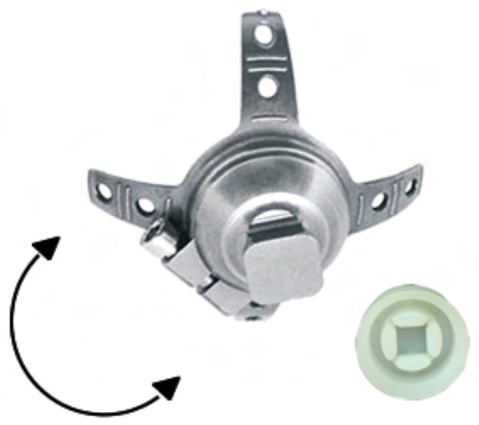
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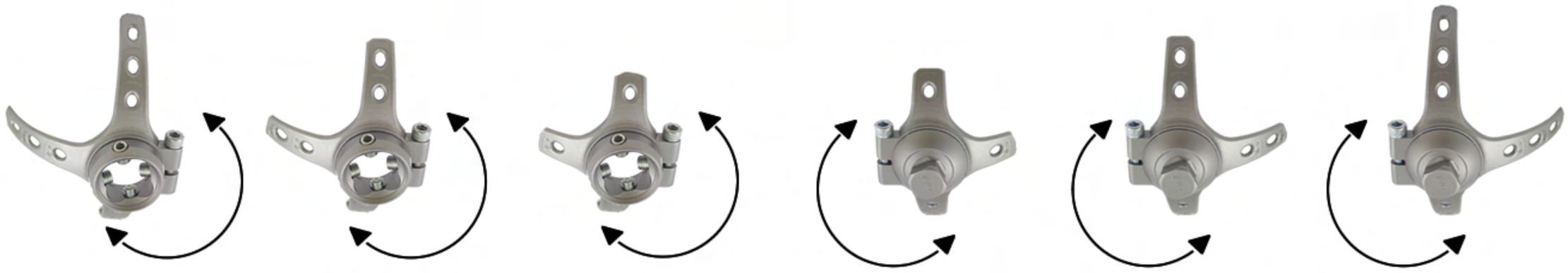
Prosthetics & Orthotics

MADE IN TURKEY

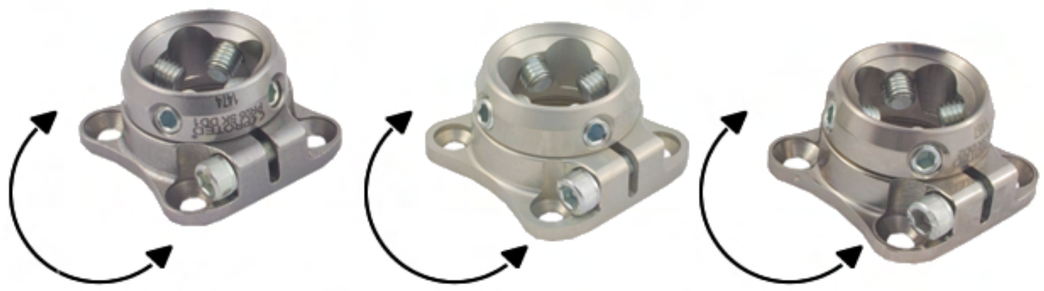














ISO 9001 QUALITY ASSURANCE

CE

SOCKET ADAPTERS

PR05.SE.480

Lamination Anchor

Fixed lamination anchor with pyramid. Designed for lower extremity modular prostheses.





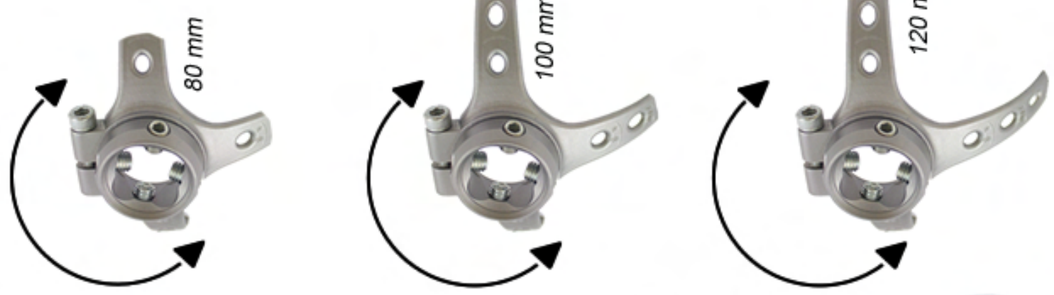
Lamination dummy is included.

Product Code	Prong Count	Weight	Material	Max. Body Weight
PR05.SE.480	4 prongs	~128 gr	S. Steel	125 kgs

PR05.DD.080
PR05.DD.100
PR05.DD.120

Rotatable Lamination Anchor
3 prongs

Rotatable lamination anchor with pyramid receiver. Designed for lower extremity modular prostheses allowing inwards/outwards rotation.





Lamination dummy is included.

Rotatable

Product Code	Prong Count	Prong Length *	Weight	Material	Max. Body Weight
PR05.DD.080	3 prongs	80 mm	187 gr	S. Steel	80 kgs
PR05.DD.100	3 prongs	100 mm	191 gr	S. Steel	100 kgs
PR05.DD.120	3 prongs	120 mm	218 gr	S. Steel	125 kgs

* Prong length is the distance between the center of the anchor and the prong's end.

PR05.DE.080
PR05.DE.100
PR05.DE.120

Rotatable Lamination Anchor
3 prongs

Rotatable lamination anchor with pyramid. Designed for lower extremity modular prostheses allowing inwards/outwards rotation.





Lamination dummy is included.

Rotatable

Product Code	Prong Count	Prong Lenght *	Weight	Material	Max. Body Weight
PR05.DE.080	3 prongs	80 mm	209 gr	S. Steel	80 kgs
PR05.DE.100	3 prongs	100 mm	213 gr	S. Steel	100 kgs
PR05.DE.120	3 prongs	120 mm	226 gr	S. Steel	125 kgs

* Prong length is the distance between the center of the anchor and the prong's end.

PR05.DD.004

Rotatable Lamination Anchor
4 prongs

Rotatable lamination anchors with pyramid receiver. Designed for lower extremity modular prostheses allowing inwards/outwards rotation.



Lamination dummy is included.

Rotatable

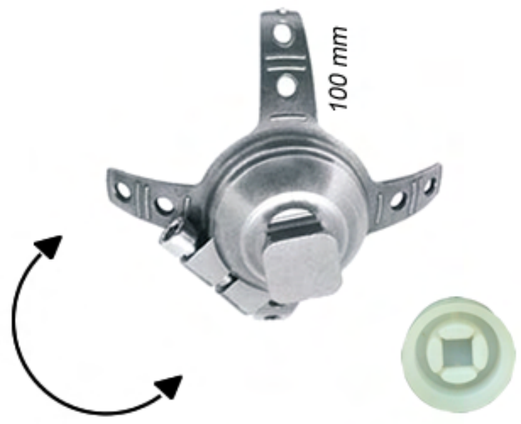
Product Code	Prong Count	Prong Lenght	Weight	Material	Max. Body Weight
PR05.DD.004	4 prongs	100 mm	~190 gr	S. Steel	125 kgs

* Prong length is the distance between the center of the anchor and the prong's end.

PR05.DE.004

Rotatable Lamination Anchor
4 prongs

Rotatable lamination anchors with pyramid. Designed for lower extremity modular prostheses allowing inwards/outwards rotation.



Lamination dummy is included.

Rotatable

Product Code	Prong Count	Prong Lenght	Weight	Material	Max. Body Weight
PR05.DE.004	4 prongs	100 mm	~202 gr	S. Steel	125 kgs

* Prong length is the distance between the center of the anchor and the prong's end.

PR05.SK.E01
PR05.SK.E02
PR05.SK.E03

Prongless Lamination Anchor



Lamination dummy is included.

Product Code	Weight	Material	Max. Body Weight
PR05.SK.E01	80 gr	S. Steel	125 kgs
PR05.SK.E02	55 gr	Titanium	125 kgs
PR05.SK.E03	40 gr	Aluminium	75 kgs

PR05.SK.D01
PR05.SK.D02
PR05.SK.D03



Prongless Lamination Anchor

Prongless lamination anchor with pyramid receiver used to connect lower extremity modular prosthetic parts. The part is used with PR05.A4 - Wooden Connection Plate.

Product Code	Weight	Material	Max. Body Weight
PR05.SK.D01	~97 gr	S. Steel	125 kgs
PR05.SK.D02	~67 gr	Titanium	125 kgs
PR05.SK.D03	~49 gr	Aluminium	75 kgs

PR05.SK.DD1
PR05.SK.DD2
PR05.SK.DD3



Rotatable Prongless Lamination Anchor

Rotatable prongless lamination anchor with pyramid receiver used to connect lower extremity modular prosthetic parts. The part is used with PR05.A4 - Wooden Connection Plate. Its design allows inwards/outwards rotation.

Rotatable

Product Code	Weight	Material	Max. Body Weight
PR05.SK.DD1	~159 gr	S. Steel	125 kgs
PR05.SK.DD2	~95 gr	Titanium	125 kgs
PR05.SK.DD3	~65 gr	Aluminium	75 kgs

PR05.A4

Wooden Connection Plate

Wooden connection plate that is used to connect prongless lamination anchors to the socket.



Weight	Material
~278 gr	Wood & Plastic

Socket Adapters | Overview

Socket adapters are the joining and power transmission parts made of different materials in different geometric shapes with different sizes intended for support and correction consistent with each other and substituting some different functions of foot, knee joints and hip joints while lower extremity prosthesis are implemented.

								
Code	PR05.SE.480	PR05.DD.004	PR05.DE.004	PR05.DD .080 / .100 / .120			PR05.DE .080 / .100 / .120			PR05.SK .E01 / .E02 / .E03			PR05.SK .D01 / .D02 / .D03			PR05.A4
Bar Length	100 mm	100 mm	100 mm	80 mm	100 mm	120 mm	80 mm	100 mm	120 mm	-			-			-
Maximum Load	125 kgs	125 kgs	125 kgs	80 kgs	100 kgs	125 kgs	80 kgs	100 kgs	125 kgs	125 kgs	125 kgs	75 kgs	125 kgs	125 kgs	75 kgs	-
Receiver Type	Pyramid	Pyramid Receiver	Pyramid	Pyramid Receiver			Pyramid			Pyramid			Pyramid Receiver			-
Number of Prongs	4 prongs	4 prongs	4 prongs	3 prongs			3 prongs			-			-			-
Weight (~)	128 gr	190 gr	202 gr	187 gr	191 gr	218 gr	209 gr	213 gr	226 gr	80 gr	55 gr	40 gr	97 gr	67 gr	49 gr	420 gr
Material: S. Steel	●	●	●	●	●	●	●	●	●	●			●			
Material: Aluminium												●			●	
Material: Titanium											●			●		
Material: Plastic																●
Material: Wood																●

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General Warranty Information

Warranty and Quality Information

Warranty: 24 month limited warranty.

Proted operates a quality management system that meets the requirements of ISO 13485 and 9001. Products are CE-marked and conform to standards and other normative documents outlined in the EC (CE) Declaration of Conformity.

FOR TECHNICIANS

Implementation and Recommendations

- Connection parts are used in place of connection when implementing prosthesis to patients.
- In static adjustment, it shall be adjusted in a manner the load is supported from heel and sole.
- Use of them as per weights given in table for adapter products is recommended.
- Cleaning the adapters again is recommended before conduct of joining operations during the prosthetic implementation.
- Maintenance and cleaning of adapters have been made by Proted in manufacturing facility.
- It is recommended that the adapters are used with Proted parts compatible with adapters.

The connection parts features a milimetric adjustable function that allows rotational movements, thereby advancing the user and technician at the same time.

Warnings

- It is recommended that all requirements specified under application and recommendations be fully observed.
- Exposure to thermal environments should be kept at a minimum.
- The user should abstain from improper standing positions. In case of any doubt please request the information from our company or the technician about improper standing positions.
- Contact with power sources that can harm human health should be avoided.
- Exposure to direct sunlight should be avoided.
- The product should be kept away from oily environment, chemicals and acidic agents.
- During cleaning, use of chemicals and acidic agents should be avoided.
- The product should be kept away from combustible agents and fire.

Maintenance

- Periodic maintenance of the products can be performed by our firm for free of charge. Contacting our firm will be enough for conduct of maintenance.
- Maintenance of products are classified as monthly and annual maintenance.
- The technical support regarding how such maintenance should be made will also be provided those requesting it by our firm.

Responsibility

- The firms executing implementation shall be directly responsible for any problems arising from customized use by the person.
- The firms executing the implementation shall also be responsible for any problems arising from failure to use Proted products in joining applications.

The operation instructions prepared by Proted are revised in respect to compliance with existing technical design. The instructions are for health organizations and implementation centers and should be conveyed to patients. Regarding any products exclusive to person, of which function and/or operation is not clear the health organization shall prepare operation instructions.

ISO 9001 QUALITY ASSURANCE

CE

Declaration of Compliance

As Proted Prosthetics-Orthotics and Rehabilitation Co. Ltd.; we hereby declare that our products are in compliance with 93/42/EEC EU Medical Devices Directive and we have been applying TS EN ISO 9001:2001 Quality Management System in our processes.

Ordering Information:

Socket Adapters

Product Code

Product Name

PR05.SE.480
Lamination Anchor

Fixed lamination anchor with pyramid. Designed for lower extremity modular prostheses.

Product Illustration



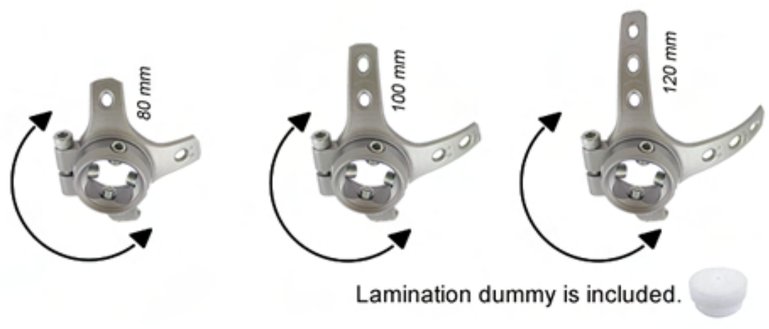
Lamination dummy is included.

Notice

Product Code	Prong Count	Weight	Material	Max. Body Weight
PR05.SE.480	4 prongs	~128 gr	S. Steel	125 kgs

Product Group

PR05.DD.080
PR05.DD.100
PR05.DD.120
Rotatable Lamination Anchor 3 prongs



Lamination dummy is included.

Rotatable lamination anchor with pyramid receiver. Designed for lower extremity modular prostheses allowing inwards/outwards rotation.

Rotatable

Brief Description

Product Code	Prong Count	Prong Length *	Weight	Material	Max. Body Weight
PR05.DD.080	3 prongs	80 mm	187 gr	S. Steel	80 kgs
PR05.DD.100	3 prongs	100 mm	191 gr	S. Steel	100 kgs
PR05.DD.120	3 prongs	120 mm	218 gr	S. Steel	125 kgs

* Prong length is the distance between the center of the anchor and the prong's end.

Order Code:

Select the desired product and determine the article number. It consists of the reference number plus additional parameters such as body side, size, material and colour. The order examples on the respective catalogue pages show how the article number can be determined quickly and easily.

Order example:

PR05 DD 080

Product Code	Prong Count	Prong Length *	Weight	Material	Max. Body Weight
PR05.DD.080	3 prongs	80 mm	187 gr	S. Steel	80 kgs
PR05.DD.100	3 prongs	100 mm	191 gr	S. Steel	100 kgs
PR05.DD.120	3 prongs	120 mm	218 gr	S. Steel	125 kgs

* Prong length is the distance between the center of the anchor and the prong's end.

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Prosthetics & Orthotics

MADE IN TURKEY



ISO 9001 QUALITY ASSURANCE

CE

KNEE & HIP JOINTS

PR04.PS.150

Polycentric Knee Joint

Polycentric knee joint with integrated extension assist. Thanks to its polycentric kinematics, the knee joint ensures excelent stability and comfortable walking for the prosthetic limb user.



Key Data	
Mobility Degree	2
Proximal Connection	Pyramid Adapter
Distal Connection	Pyramid Adapter
Knee Flexion Angle	120º
Weight	~620 gr
System Height	81 mm
Material	Stainless Steel
Maximum Body Weight	100 kgs

PR04.PS.150 is a polycentric prosthetic knee joint that offers reliable stance phase security for users with moderate activity levels.

Recommended for transfemoral amputees with mobility grade 2.

Flexion and extension dampening can be separately and individually customised to the needs of the user.

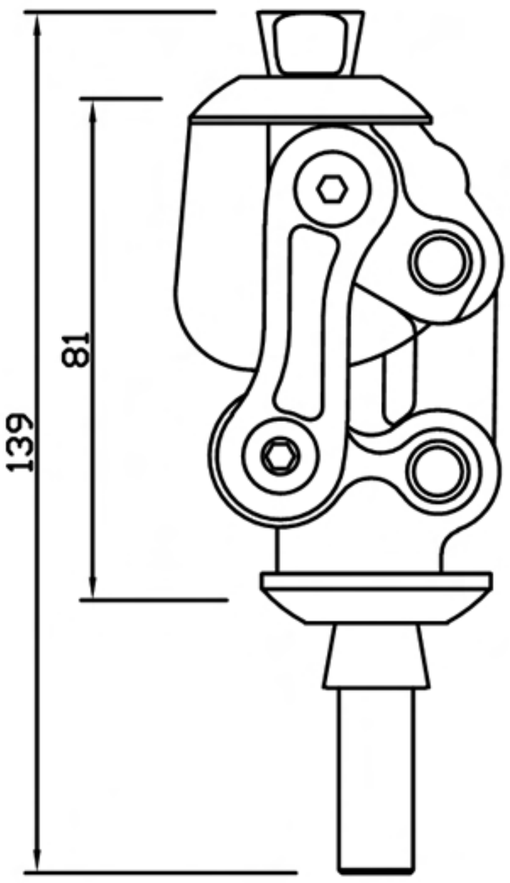
Indications:

- Above-knee amputation or knee disarticulation
- During rehabilitation or mobility classes 2
- Maximum body weight 100 kg

Properties:

- Knee flexion angle up to 120°
- Adjustable flexion and extension dampening

Technical Specs



Overall fitted height:
approx. 139 mm

System height:
approx. 81 mm

PR04.PK.150

Polycentric Knee Joint with Lock

Polycentric knee joint with integrated extension assist. Thanks to its polycentric kinematics, the knee joint ensures excelent stability and comfortable walking for the prosthetic limb user.



Key Data	
Mobility Degree	1
Proximal Connection	Pyramid Adapter
Distal Connection	Pyramid Adapter
Knee Flexion Angle	110º
Weight	~640 gr
System Height	81 mm
Material	Stainless Steel
Maxiumum Body Weight	100 kgs

Its adjustable lock secures the knee joint in extension and is released using the lock cable.

PR04.PK.150 offers numerous advantages, not only whilst walking. When sitting or kneeling, the large maximum flexion angle of 110° and the low system height when flexed make it both comfortable and practical.

Recommended for transfemoral amputees with mobility grade 1.

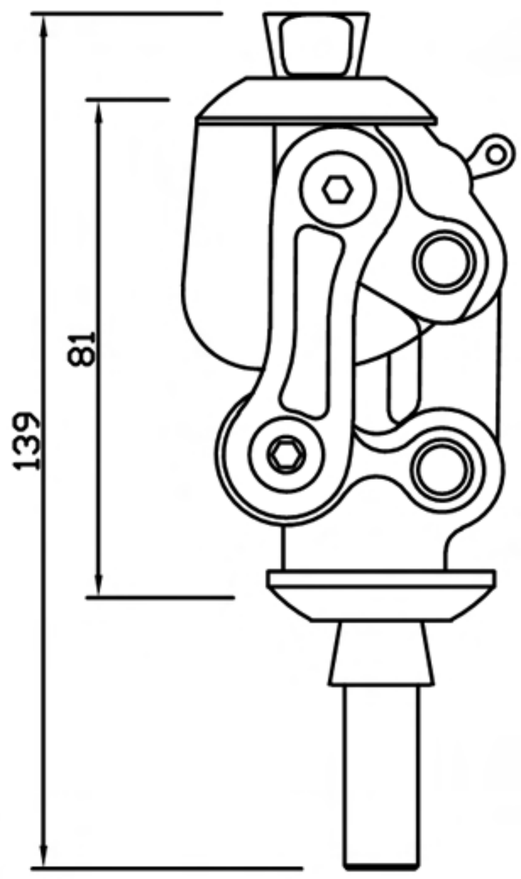
Indications:

- Extension/flexion can be set independently of each other
- During rehabilitation or mobility classes 1
- Maximum body weight 100 kg

Properties:

- Knee flexion angle up to 110°
- Adjustable flexion and extension dampening

Technical Specs



Overall fitted height:
approx. 139 mm

System height:
approx. 81 mm

PR04.YS.200

Single Axis Knee Joint

Single Axis Knee joint with integrated extension aid spring, providing comfortable walking for the prosthetic limb user.



Key Data	
Mobility Degree	2
Proximal Connection	Pyramid Adapter
Distal Connection	Pyramid Adapter
Knee Flexion Angle	120º
Weight	~655 gr
System Height	82 mm
Material	Stainless Steel
Maximum Body Weight	100 kgs

PR04.YS.200 knee joint bends rigidly over a single axis. Although it is clear that they do not resemble the natural anatomy of the knee, these joints are very secure for the user, as they include a brake.

This is especially important for uncertain prosthetic wearers. As soon as the user with the prosthetic leg takes a step and puts weight on the knee joint, the brake comes into action and the knee joint is blocked.

Recommended for transfemoral amputees with mobility grade 2.

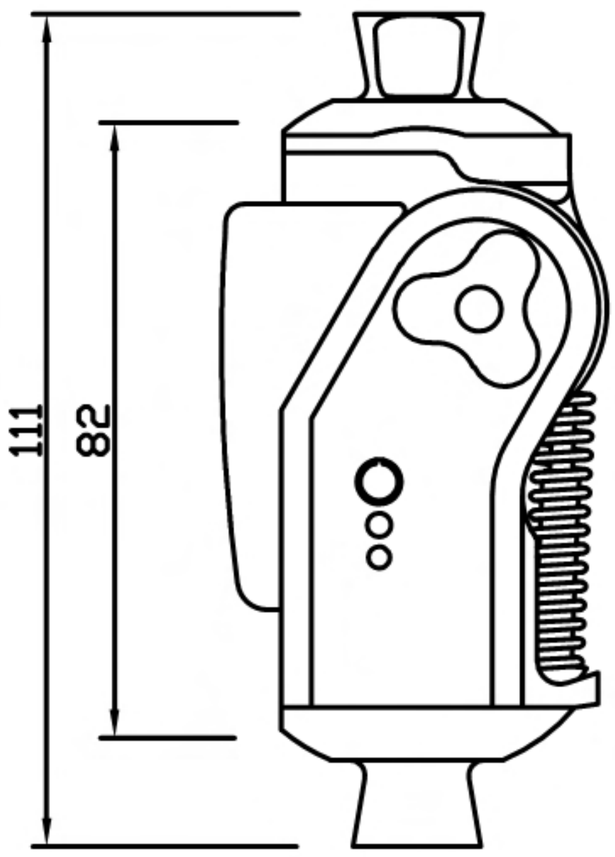
Indications:

- Above-knee amputation
- During rehabilitation or mobility classes 2
- Maximum body weight 100 kg

Properties:

- Knee flexion angle up to 120°
- Adjustable flexion and extension dampening

Technical Specs



Overall fitted height: approx. 111 mm

System height: approx. 82 mm

PR04.YK.100

Single Axis Knee Joint with Lock

Single Axis Knee Joint with integrated lock mechanism which secures the knee joint in extension, providing stability, comfort and secure walking for the prosthetic limb user.



Key Data	
Mobility Degree	1
Proximal Connection	Pyramid Adapter
Distal Connection	Pyramid Adapter
Knee Flexion Angle	120º
Weight	~710 gr
System Height	82 mm
Material	Stainless Steel
Maximum Body Weight	100 kgs

Locking occurs automatically at full extension but can be released using the lock cable.

This is especially important for uncertain prosthetic wearers. As soon as the user with the prosthetic leg takes a step and puts weight on the knee joint, the brake comes into action and the knee joint is blocked.

Recommended for transfemoral amputees with mobility grade 1.

Knee Joints

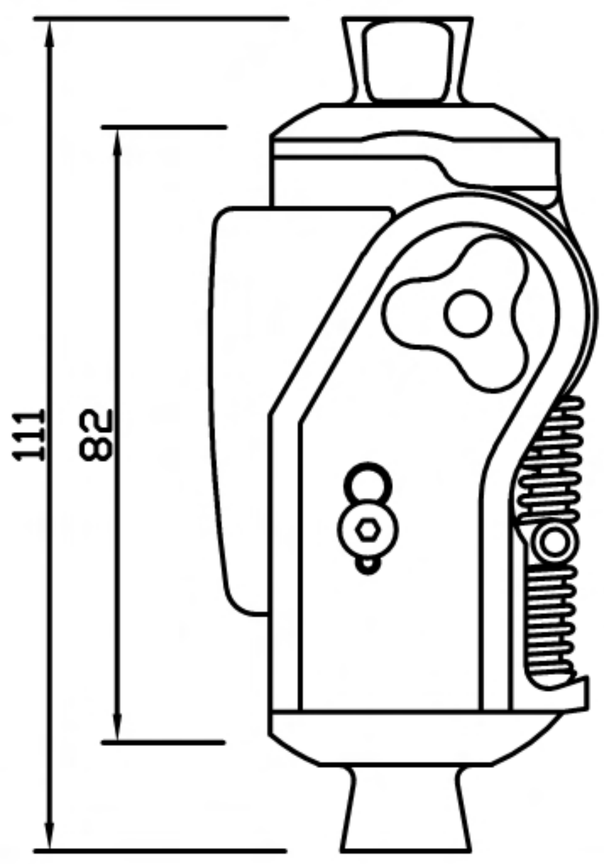
Indications:

- Automatic locking
- During rehabilitation or mobility classes 1
- Maximum body weight 100 kg

Properties:

- Knee flexion angle up to 120°

Technical Specs



Overall fitted height:
approx. 111 mm

System height:
approx. 82 mm

PR04.FR.250

Modular Single Axis Knee Joint with Frictional Lock

Modular Single Axis Knee Joint with adjustable frictional lock. The lock that occurs when the heel is loaded offers excellent stability, whereas its extension assist spring ensures comfortable walking for the prosthetic limb user.





Key Data	
Mobility Degree	2
Proximal Connection	Pyramid Adapter
Distal Connection	Pyramid Adapter
Knee Flexion Angle	110º
Weight	~748 gr
System Height	47 mm
Material	Stainless Steel
Maximum Body Weight	100 kgs

PR04.FR.250 Modular Single Axis Knee Joint with Friction is very durable and is easy to maintain and repair.

Recommended for transfemoral amputees with mobility grade 2.

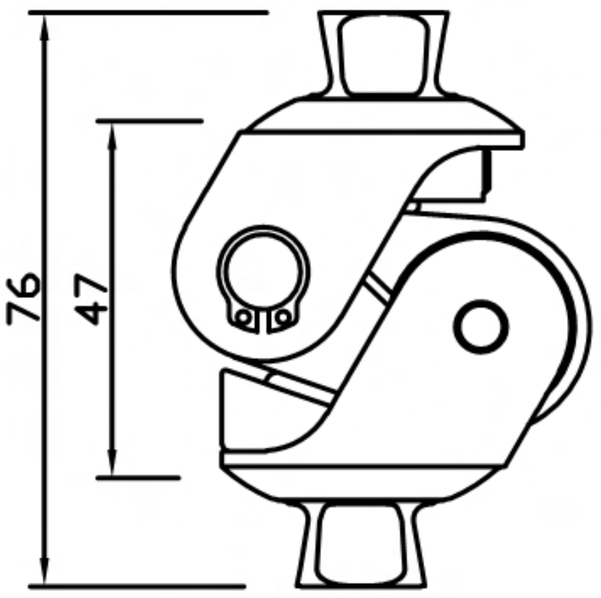
Indications:

- Transfemoral amputees
- During rehabilitation or mobility classes 2
- Maximum body weight 100 kg

Properties:

- Knee flexion angle up to 110°
- Durable and easy to maintain & repair

Technical Specs



Overall fitted height:
approx. 76 mm

System height:
approx. 47 mm

PR04.DZ.16S

Polycentric Disarticulation Knee Joint

Disarticulation knee joint with polycentric kinematics that offers excellent stability and comfort for the prosthetic limb user.



Key Data	
Mobility Degree	2
Proximal Connection	Pyramid Adapter
Distal Connection	Pyramid Adapter
Knee Flexion Angle	120º
Weight	~761 gr
System Height	80 mm
Material	Stainless Steel
Maximum Body Weight	100 kgs

The policentric knee, also referred to as “fourbar” knee allows stance phase control through its polycentric axis. At the same time it is easy to bend to initiate the swing phase or to sit down. Another important feature of the polycentric knee is that the length of the leg shortens when a step is taken, reducing the risk of stumbling.

The Polycentric Knee is suitable for a wide range of patients, including those with mobility grade 2 who cannot walk securely with other types of knees, have a bilateral leg amputation or a long residual limb.

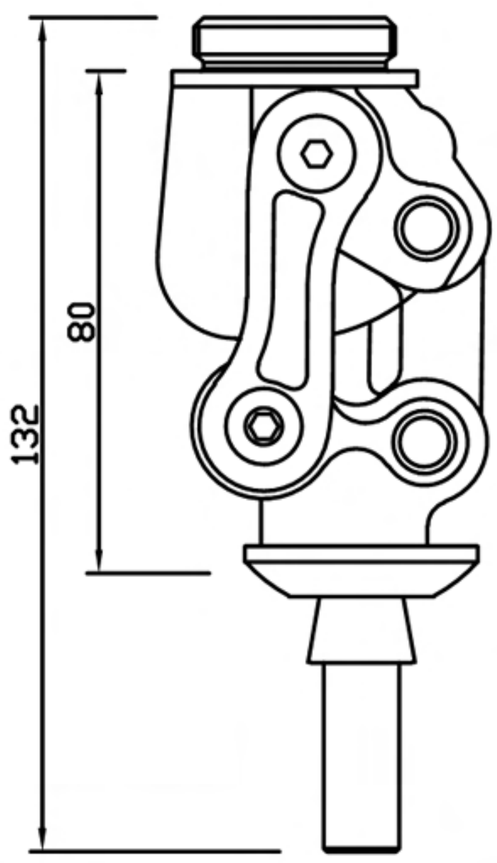
Indications:

- Suitable for bilateral leg amputations
- During rehabilitation or mobility classes 2
- Maximum body weight 100 kg

Properties:

- Knee flexion angle up to 120°
- Easy swing phase
- Flexion and extension adjustment

Technical Specs



Overall fitted height:
approx. 132 mm

System height:
approx. 80 mm

PR04.DZ.16K

Polycentric Disarticulation Knee Joint with Lock

Disarticulation knee joint with lock mechanism and polycentric kinematics that offers excellent stability, safety and comfort for the prosthetic user.



Key Data	
Mobility Degree	1
Proximal Connection	Pyramid Adapter
Distal Connection	Pyramid Adapter
Knee Flexion Angle	110º
Weight	~740 gr
System Height	80 mm
Material	Stainless Steel
Maximum Body Weight	100 kgs

Locking occurs automatically at full extension but can be released using the lock cable.

Recommended for transfemoral amputees with mobility grade 1.

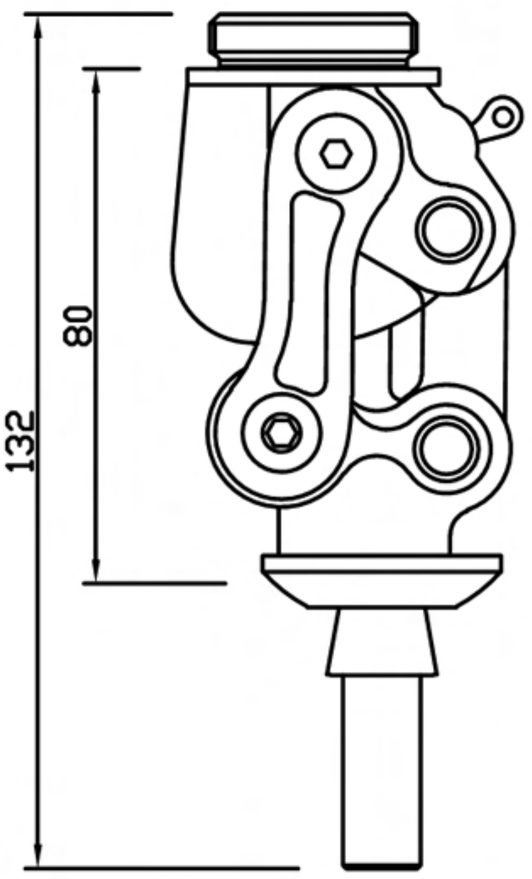
Indications:

- Above-knee amputation
- During rehabilitation or mobility classes 1
- Maximum body weight 100 kg

Properties:

- Locked knee
- Knee flexion angle up to 110°

Technical Specs



Overall fitted height:
approx. 132 mm

System height:
approx. 80 mm

PR04.AH.S01

Lightweight Knee Joint

PR04.AH.S01 features a pyramid adapter on the top and a tube clamp on the lower part.



Key Data	
Mobility Degree	2
Proximal Connection	Pyramid Adapter
Distal Connection	Tube Clamp Ø25 mm
Knee Flexion Angle	140°
Weight	~311 gr
System Height	41 mm
Material	Alloyed Aluminium
Maxiumum Body Weight	65 kgs

The single axis knee joint is suitable for patients with mobility grade 2 who require a high degree of stability.

Knee Joints

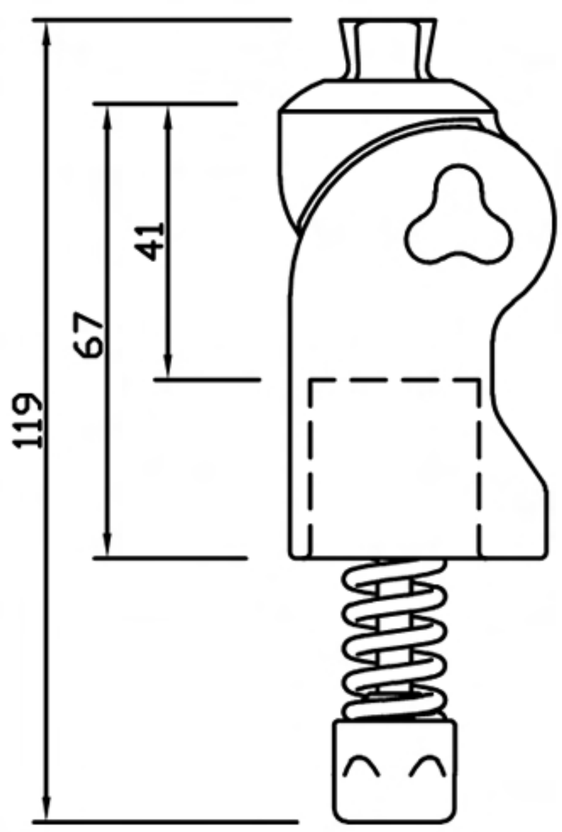
Indications:

- Maximum body weight 65 kg
- During rehabilitation or mobility class 2

Properties:

- Knee flexion angle up to 140°
- Adjustable flexion and extension dampening

Technical Specs



Overall fitted height:
approx. 119 mm

Effective fitted height:
approx. 67 mm

System height:
approx. 41 mm

PR04.AH.K01

Lightweight Knee Joint with Lock

Lightweight single axis modular knee joint (diameter: 25mm) with adjustable lock mechanism.



Key Data	
Mobility Degree	1
Proximal Connection	Pyramid Adapter
Distal Connection	Tube Clamp Ø25 mm
Knee Flexion Angle	140º
Weight	~297 gr
System Height	41 mm
Material	Alloyed Aluminium
Maximum Body Weight	65 kgs

This single axis lightweight knee joint is recommended for patients requiring high stability. The locking pin is engaged and released easily. Furthermore, its light weight makes it comfortable to use.

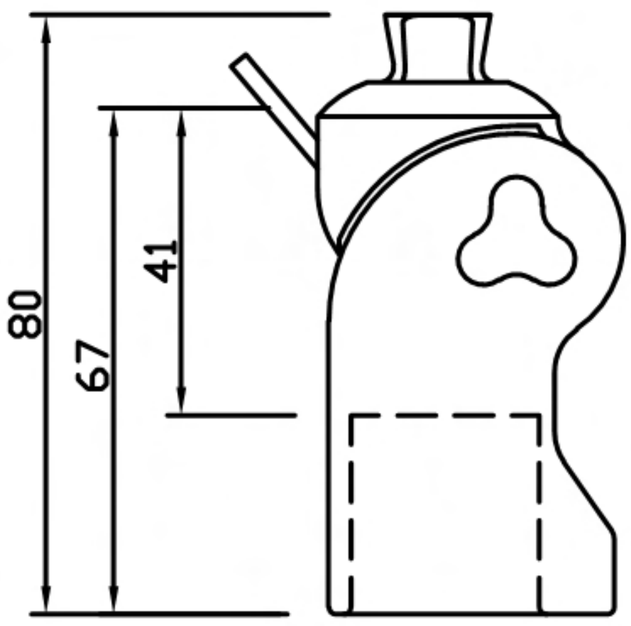
Indications:

- Above-knee amputation
- During rehabilitation or mobility classes 1
- Maximum body weight 65 kg

Properties:

- High knee flexion angle up to 140°
- Lightweight

Technical Specs



Overall fitted height:
approx. 80 mm

Effective fitted height:
approx. 67 mm

System height:
approx. 41 mm

PR04.PS.320

Polycentric Knee Joint

Polycentric knee joint with polycentric kinematics, offering comfortable walking for the prosthetic limb user.

GrandX ps



Navy Blue

GrandX ps

Key Data	
Mobility Degree	2
Proximal Connection	Pyramid Adapter
Distal Connection	Tube Receiver
Knee Flexion Angle	150°
Weight	~600 gr
System Height	111 mm
Material	Alloyed Aluminium
Maximum Body Weight	100 kgs

Polycentric knee joint with integrated extension assist. Thanks to its polycentric kinematics, the knee joints ensures excelent stability and comfortable walking for the prosthetic limb user.

This new polycentric prosthetic knee joint with pneumatic swing phase control offers reliable stance phase security for users with moderate activity levels.

Recommended for transfemoral amputees with mobility grade 2.

Knee Joints

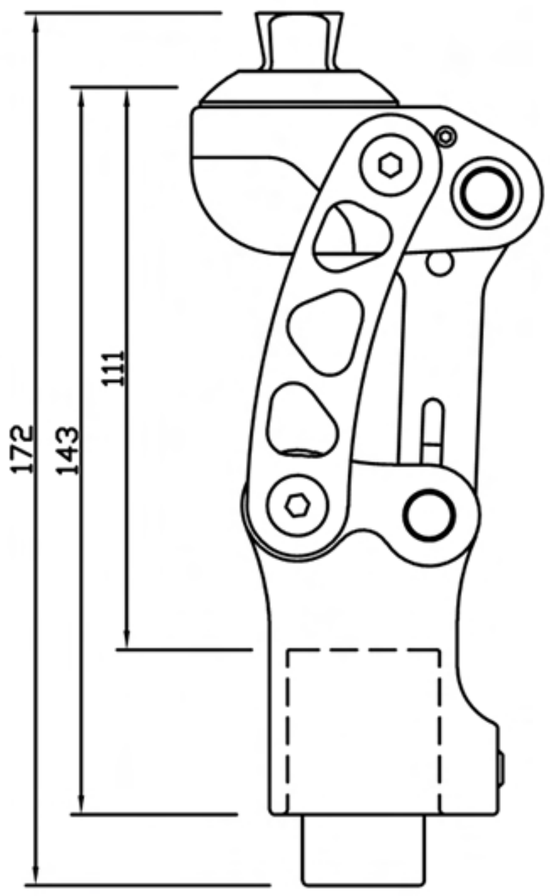
Indications:

- For transfemoral amputees
- During rehabilitation or mobility classes 2
- Maximum body weight 100 kg

Properties:

- Knee flexion angle up to 150°
- Excellent stability and duration

Technical Specs



Overall fitted height:
approx. 172 mm

Effective fitted height:
approx. 143 mm

System height:
approx. 111 mm

PR04.PK.410

Polycentric Knee Joint with Lock

Polycentric knee joint with polycentric kinematics, offering comfortable walking for the prosthetic limb user.

GrandX pk

Knee Joints



Navy Blue

GrandX pk

Key Data	
Mobility Degree	1
Proximal Connection	Pyramid Adapter
Distal Connection	Tube Receiver
Knee Flexion Angle	150º
Weight	~600 gr
System Height	111 mm
Material	Alloyed Aluminium
Maximum Body Weight	100 kgs

Polycentric knee joint with integrated extension assist. Thanks to its polycentric kinematics, the knee joints ensures excelent stability and comfortable walking for the prosthetic limb user.

This new polycentric prosthetic knee joint with pneumatic swing phase control offers reliable stance phase security for users with moderate activity levels.

The locking occurs automatically at full extension but can be released using the lock cable.

Recommended for transfemoral amputees with mobility grade 1.

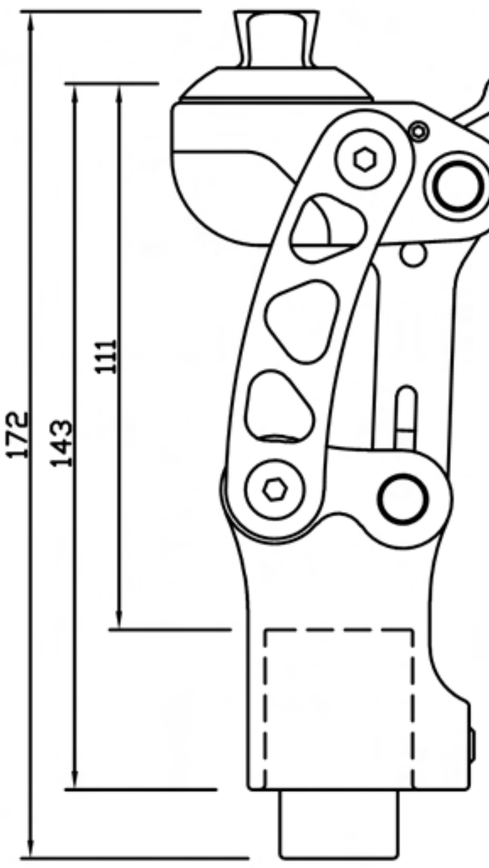
Indications:

- Above-knee amputation
- During rehabilitation or mobility classes 1
- Maximum body weight 100 kg

Properties:

- High knee flexion angle up to 150°
- Integrated pivot and shift function

Technical Specs



Overall fitted height: approx. 172 mm

Effective fitted height: approx. 143 mm

Effective fitted height: approx. 111 mm

PR04.DS.18M

Disarticulation Polycentric Knee Joint

Disarticulation Polycentric Knee Joint with polycentric kinematics and adjustable lock mechanism, offering comfortable walking, excellent stability and stance fase control for the prosthetic limb user.

GrandX ds



Key Data	
Mobility Degree	2
Proximal Connection	Threaded Adapter
Distal Connection	Tube Receiver
Knee Flexion Angle	150º
Weight	~729 gr
System Height	110 mm
Material	Alloyed Aluminium
Maximum Body Weight	100 kgs

Comes together with the lamination parts.

Navy Blue

GrandX ds

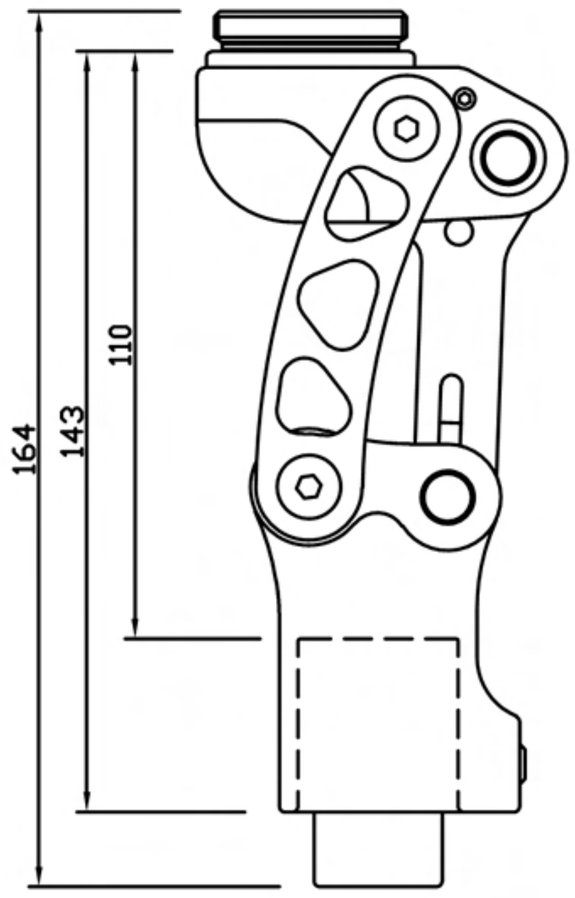
Indications:

- Adjustable lock mechanism
- During rehabilitation or mobility classes 2
- Maximum body weight 100 kg

Properties:

- Knee flexion angle up to 150°
- Excellent stability

Technical Specs



Overall fitted height:
approx. 164 mm

Effective fitted height:
approx. 143 mm

System height:
approx. 110 mm

PR04.DK.19M

Disarticulation Polycentric Knee Joint with Lock

GrandX dk

Knee Joints



Key Data	
Mobility Degree	1
Proximal Connection	Threaded Adapter
Distal Connection	Tube Receiver
Knee Flexion Angle	150º
Weight	~731 gr
System Height	110 mm
Material	Alloyed Aluminium
Maximum Body Weight	100 kgs

Disarticulation knee joints with polycentric kinematics and adjustable lock mechanism, offering comfortable walking, excellent stability and stance fase control for the prosthetic limb user.

Locking occurs automatically at full extension, but can be released using the lock cable.

Recommended for transfemoral amputees with mobility grade 1.

Comes together with lamination parts.

Navy Blue

GrandX dk

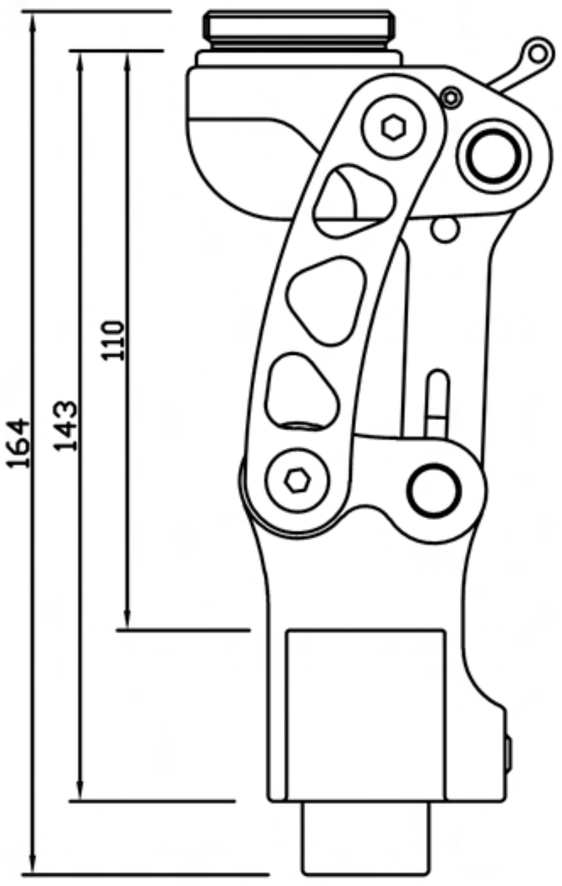
Indications:

- Above-knee amputation
- During rehabilitation or mobility classes 1
- Maximum body weight 100 kg

Properties:

- Knee flexion angle up to 150°
- Adjustable flexion and extension dampening

Technical Specs



Overall fitted height:
approx. 164 mm

Effective fitted height:
approx. 143 mm

System height:
approx. 110 mm

PR04.PO.M01

Pneumatic Knee Joint

Pneumatic knee joint with adjustable pneumatic extension assist, oppering excellent stability and swing phase control.

Tedra po



Key Data	
Mobility Degree	3
Proximal Connection	Lamination Anchor
Distal Connection	Tube Receiver
Knee Flexion Angle	145°
Weight	~725 gr
System Height	153 mm
Material	Alloyed Aluminium
Maximum Body Weight	100 kgs

PR03.T1.U34 Adapter tube is included.

Knee Joints

Navy Blue

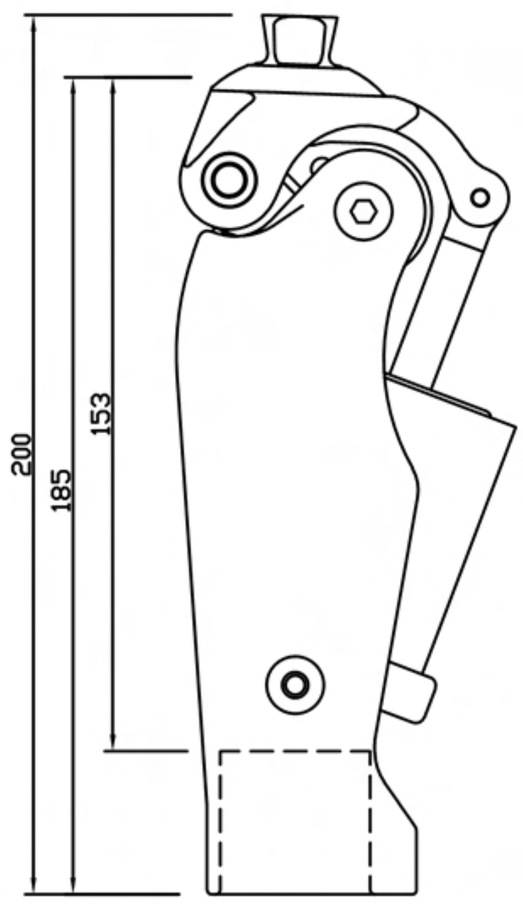
Tedra po

Indications:

- Excellent swing phase control
- During rehabilitation or mobility classes 3
- Maximum body weight 100 kg

Properties:

- Knee flexion angle up to 145°
- Adjustable flexion and extension dampening



Overall fitted height:
approx. 200 mm

Effective fitted height:
approx. 185 mm

System height:
approx. 153 mm

PR04.PO.M02

Pneumatic Knee Joint w/ Frictional Lock

Tedra po



Navy Blue

Tedra po

Key Data	
Mobility Degree	3
Proximal Connection	Pyramid Adapter
Distal Connection	Tube Receiver
Knee Flexion Angle	145°
Weight	~757 gr
System Height	153 mm
Material	Alloyed Aluminium
Maximum Body Weight	100 kgs

Pneumatic knee joint with frictional lock, offering excellent stability and swing phase control through its frictional lock that is automatically released when the heel is loaded.

PR03.T1.U34 Adapter tube is included.

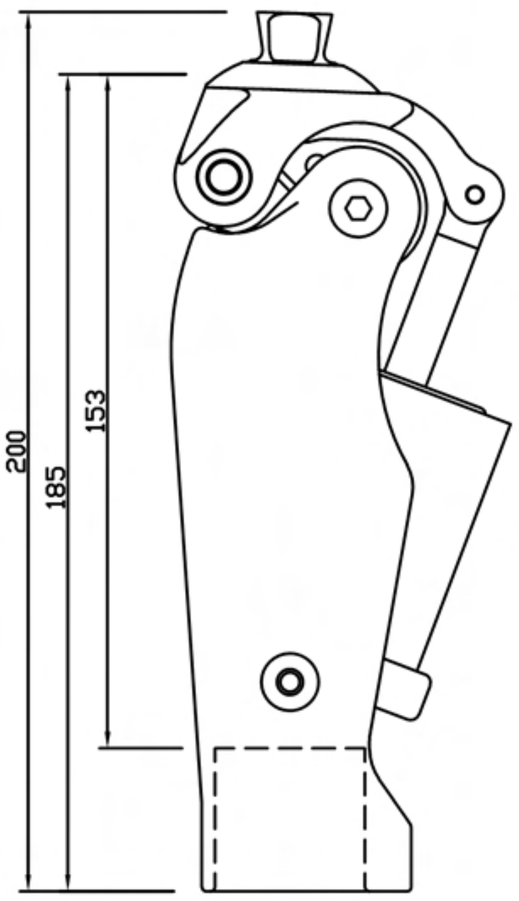
Indications:

- Above-knee amputation
- During rehabilitation or mobility classes 3
- Maximum body weight 100 kg

Properties:

- Knee flexion angle up to 145°
- Adjustable flexion and extension dampening

Technical Specs



Overall fitted height:
approx. 200 mm

Effective fitted height:
approx. 185 mm

System height:
approx. 153 mm

PR04.HS.M01

Hydraulic Knee Joint

Enjoy walking with PR04.HS.M01



Key Data	
Mobility Degree	3
Proximal Connection	Pyramid Adapter
Distal Connection	Tube Receiver
Knee Flexion Angle	135°
Weight	~884 gr
System Height	180 mm
Material	Alloyed Aluminium
Maximum Body Weight	100 kgs

PR04.HS.M01 will be available for ordering from Sept 1st, 2015.

PR04.HS.M01 hydraulic knee joints provide the closest thing to normal knee function for active amputees. PR04.HS Hydraulic system knee joint uses a liquid medium instead of air to respond to a wide range of walking speeds.

PR03.T1.U34 Adapter tube is included.

Navy Blue

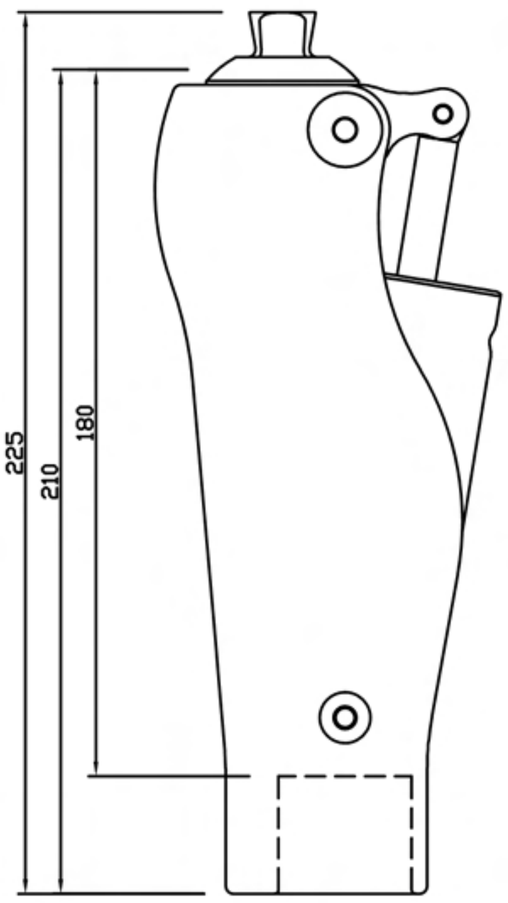
Indications:

- Extension/flexion can be set independently of each other
- During rehabilitation or mobility classes 3
- Maximum body weight 100 kg

Properties:

- Knee flexion angle up to 135°
- Adjustable flexion and extension dampening

Technical Specs



Overall fitted height:
approx. 225 mm

Effective fitted height:
approx. 210 mm

System height:
approx. 180 mm

PR04.AK.C10

Monocentric Knee Joint with Lock

Monocentric Prosthetic Knee Joint offers durability and secure stepping for users with moderate activity levels.



Key Data	
Mobility Degree	1
Proximal Connection	Pyramid Adapter
Distal Connection	Tube Receiver
Knee Flexion Angle	140º
Weight	~281 gr
System Height	90 mm
Material	Alloyed Aluminium
Maximum Body Weight	85 kgs

The product is used with Ø30 Adapter tube.

Navy Blue

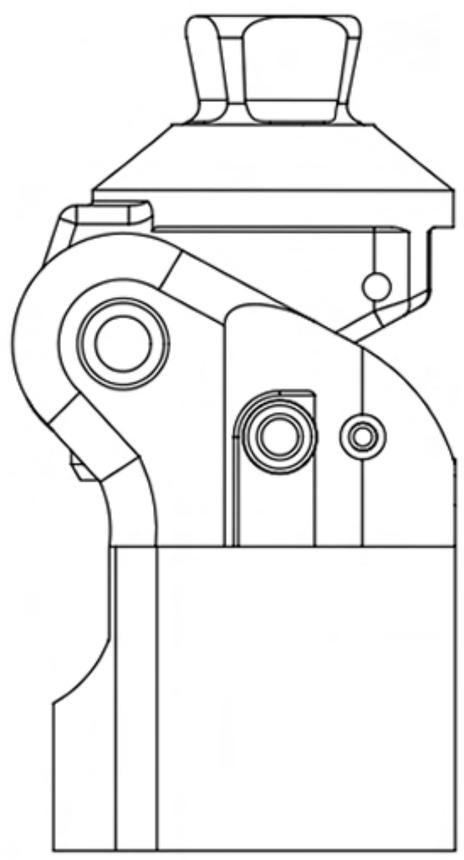
Indications:

- Above-knee amputations
- During rehabilitation or mobility classes 1
- Maximum body weight 85 kg

Properties:

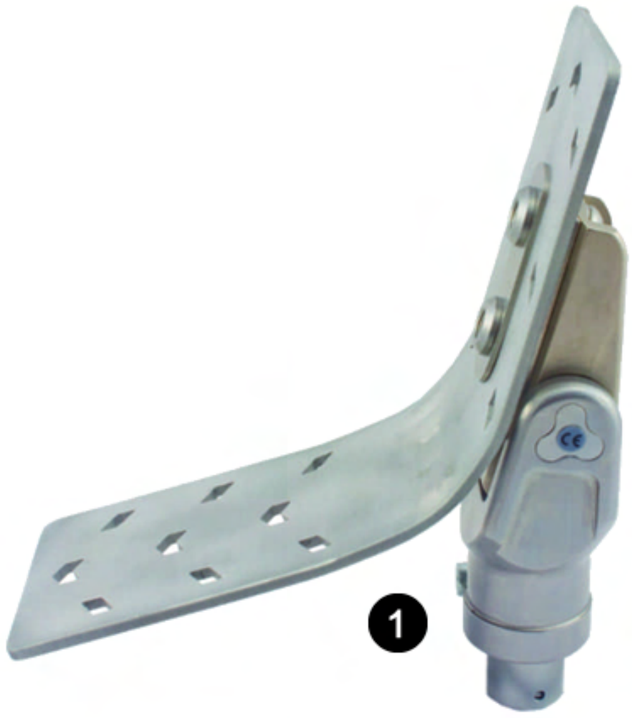
- Knee flexion angle up to 140°
- Adjustable flexion and extension dampening

Technical Specs



System height:
approx. 90 mm

PR04.K1
Hip Disarticulation Joint



Key Data	
Mobility Degree	1
Proximal Connection	Lamination Plate
Distal Connection	Tube Clamp
Hip Flexion Angle	130º
Weight	~795 gr
Material	Stainless Steel
Maximum Body Weight	100 kgs

PR04.K2
Hip Disarticulation Joint



Key Data	
Mobility Degree	1
Proximal Connection	Lamination Plate
Distal Connection	Tube Clamp
Knee Flexion Angle	130º
Weight	~616 gr
Material	Alloyed Aluminium
Maximum Body Weight	100 kgs

proted

Prosthetics & Orthotics

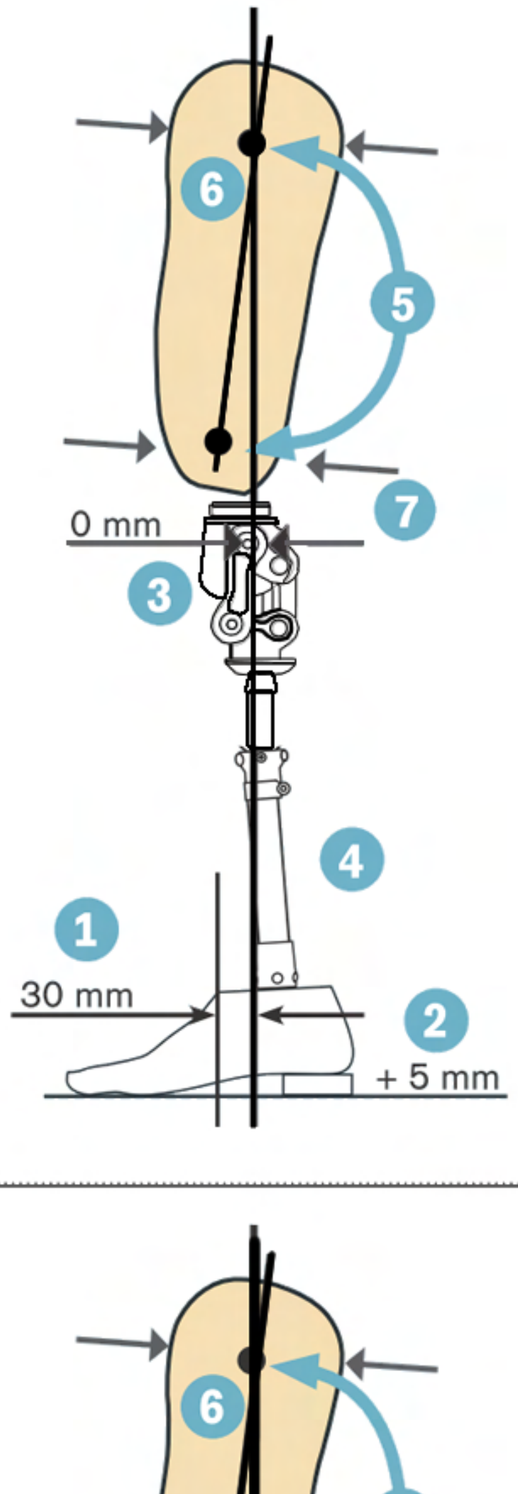
Compatibility Chart

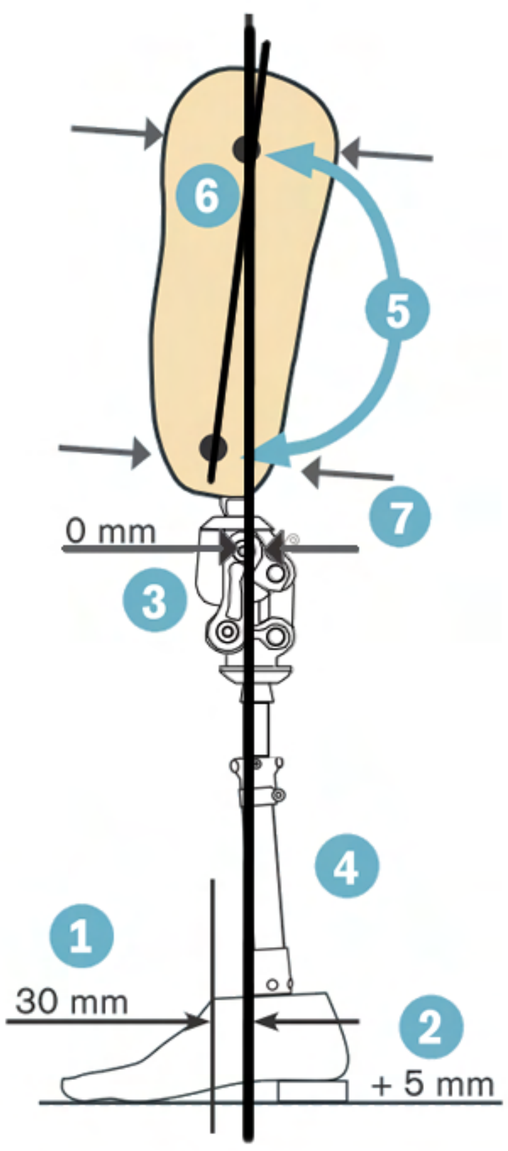
PU Foot - Knee & Hip Joint Compatibility Chart

MOBILITY	MAX LOAD		PS.150	PK.150	YS.200	YK.100	FR.250	DZ.16S	DZ.16K	AH.S01	AK.H01	PS.320	PK.410	DS.18M	DK.19M	PO.M01	PO.M02	AK.C10	HS.M01	PR04.K1	PR04.K2	AS.C00	AK.C00
MOBILITY			2	1	2	1	2	2	1	2	1	2	1	2	1	3	3	1	3	1	1	2	1
MAX LOAD			100 kg	100 kg	100 kg	100 kg	100 kg	100 kg	100 kg	65 kg	65 kg	100 kg	100 kg	100 kg	100 kg	100 kg	100 kg	85 kg	100 kg	100 kg	100 kg	55 kg	55 kg
1, 2	55 kg	 PR01.C1 Dynamic Foot for Children																✓				✓	✓
1, 2	100 kg	 PR01.S1 Sach Foot	✓			✓	✓				✓	✓	✓		✓		✓		✓		✓		
2, 3	100 kg	 PR01.H1 Single Axis Foot	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓		
1, 2	100 kg	 PR01.D1 Dynamic Foot	✓	✓		✓	✓	✓			✓	✓	✓		✓		✓		✓		✓		
2, 3	125 kg	 PR01.K2 DOHA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓		
2, 3	125 kg	 PR01.K5 KULE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓		
1, 2	125 kg	 PR01.K6 SIDELYA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓		

Alignment Recommendations for TF Modular Prostheses

Polycentric Knee Joints





Bench alignment

To make use of the functional benefits of the knee joint, correct bench alignment is required as follows:

1 Position the middle of the foot 30 mm anterior to the alignment reference line (observe the align-ment recommendation contained in the instructions for use of the knee joint and foot).

2 Add 5 mm to the required heel height (observe the alignment recommendation contained in the instructions for use of the foot) and set correct outward rotation of the foot.

3 Position the alignment reference point (for mono-centric knee joints = rotation axis; for polycentric knee joints = anterior upper axis) in relation to the alignment reference line in accordance with the alignment recommendation of the knee joint. Pay attention to the knee ground distance and outward rotation of the knee (adapter inserts provide for a rotation of approx. 5°). Recommended sagittal position of the alignment reference point: 20 mm above the medial tibial plateau.

4 Connect the foot to the knee joint by means of a tube adapter.

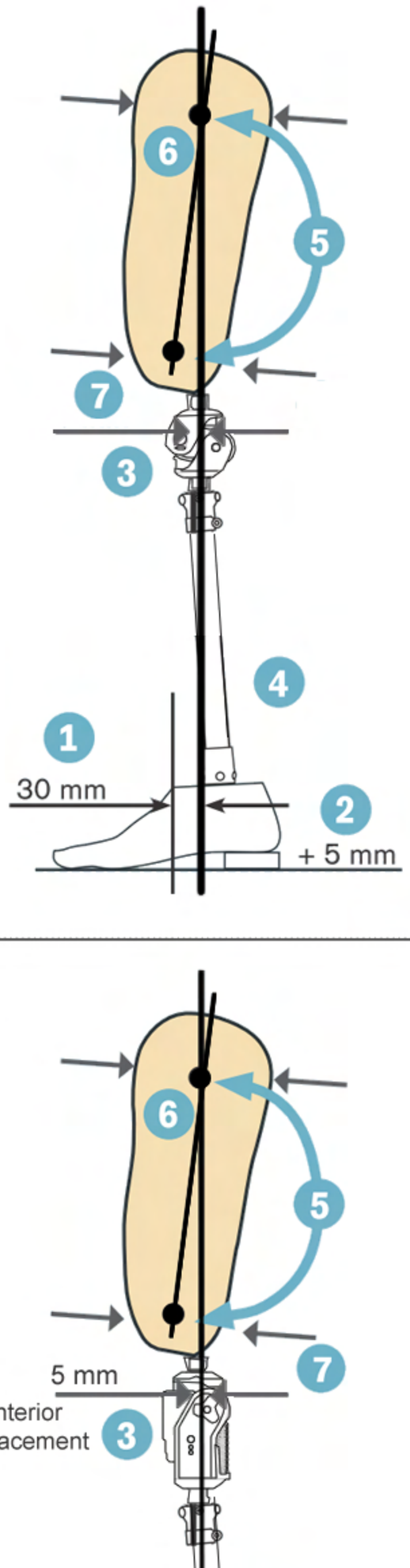
5 Mark the centre of the socket proximal and distal on the lateral side. Draw a line through both marks from socket brim to the distal end of the socket.

6 Now position the socket such that the alignment reference line passes through the proximal mark. Set the socket flexion to somewhere between 3° and 5°; however, the individual situation (e.g. hip flexion contractures) must be taken into account. Also take into account to the ischial tuberosity to ground distance.

7 Connect the socket and knee by means of an adapter.

Alignment Recommendations for TF Modular Prostheses

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7 Connect the socket and knee by means of an adapter.

Knee & Hip Joints | Overview

	Type	Mobility Degree	Proximal Connection	Distal Connection	Knee Flexion Angle	Weight	System Height	Material	Max. Load
PR04.PS.150	w/o Lock	2	Pyramid Adapter	Pyramid Adapter	120°	620 gr	81 mm	Stainless Steel	100 kgs
PR04.PK.150	w/ Lock	1	Pyramid Adapter	Pyramid Adapter	110°	640 gr	81 mm	Stainless Steel	100 kgs
PR04.YS.200	w/o Lock	2	Pyramid Adapter	Pyramid Adapter	120°	655 gr	82 mm	Stainless Steel	100 kgs
PR04.YK.100	w/ Lock	1	Pyramid Adapter	Pyramid Adapter	120°	710 gr	82 mm	Stainless Steel	100 kgs
PR04.FR.250	Frictional	2	Pyramid Adapter	Pyramid Adapter	110°	748 gr	47 mm	Stainless Steel	100 kgs
PR04.DZ.16S	w/o Lock	2	Pyramid Adapter	Pyramid Adapter	120°	761 gr	80 mm	Stainless Steel	100 kgs
PR04.DZ.16K	w/ Lock	1	Pyramid Adapter	Pyramid Adapter	110°	740 gr	80 mm	Stainless Steel	100 kgs
PR04.AH.S01	w/o Lock	2	Pyramid Adapter	Tube Clamp Ø 25	140°	311 gr	41 mm	Alloyed Aluminium	65 kgs
PR04.AH.K01	w/ Lock	1	Pyramid Adapter	Tube Clamp Ø 25	140°	297 gr	41 mm	Alloyed Aluminium	65 kgs
PR04.PS.320	w/o Lock	2	Pyramid Adapter	Tube Receiver	150°	600 gr	111 mm	Alloyed Aluminium	100 kgs
PR04.PK.410	w/ Lock	1	Pyramid Adapter	Tube Receiver	150°	600 gr	111 mm	Alloyed Aluminium	100 kgs
PR04.DS.18M	w/o Lock	2	Threaded Adapter	Tube Receiver	150°	729 gr	110 mm	Alloyed Aluminium	100 kgs
PR04.DK.19M	w/ Lock	1	Threaded Adapter	Tube Receiver	150°	731 gr	110 mm	Alloyed Aluminium	100 kgs
PR04.PO.M01	w/o Lock	3	Laminaton Anchor	Tube Receiver	145°	725gr	153 mm	Alloyed Aluminium	100 kgs
PR04.PO.M02	Frictional	3	Pyramid Adapter	Tube Receiver	145°	757gr	153 mm	Alloyed Aluminium	100 kgs
PR04.AK.C10	w/o Lock	1	Pyramid Adapter	Tube Receiver	140°	281 gr	90 mm	Alloyed Aluminium	85 kgs
PR04.HS.M01	w/o Lock	3	Pyramid Adapter	Tube Receiver	135°	884 gr	149 mm	Alloyed Aluminium	100 kgs
PR04.K1	w/o Lock	1	Lamination Plate	Tube Clamp Ø 30	130°	795 gr	149 mm	Stainless Steel	100 kgs
PR04.K2	w/o Lock	1	Lamination Plate	Tube Clamp Ø 30	130°	616 gr	149 mm	Stainless Steel	80 kgs

FOR TECHNICIANS

Implementation and Recommendations

- It is used when applying prosthesis to patient with knee joint amputation.
- When implementing prosthesis, re-cleaning of knee joints is recommended before joining operation.
- The initial assembling and cleaning processes have been conducted in Proted's manufacturing units.
- Use of them as per weights given in table for joint products is recommended.
- The patient using knee joints should avoid from lifting too heavy weights.
- Use of knee joints together with joint components of Proted will yield better results.
- Patients should be careful about their physical properties of patient such as weight, size etc.
- The distance from axis to distal end of four bar disarticulation joint is minimum.

When force is applied, it is capable to store energy by means of spring in end part of the levering arm. For that reason, it provides longer walking comfort with consumption of less energy.

Warnings

- It is recommended that all requirements specified under application and recommendations be fully observed.
- Exposure to thermal environment (too hot or cold temperatures, moisture, ventilation) should be kept at a minimum.
- The user should abstain from improper standing positions. Please take the information from the technician about the improper standing positions.
- Contact with power sources that can harm human health should be avoided.
- Exposure to direct sunlight should be avoided.
- The product should be kept away from oily environment, chemicals and acidic agents.
- During cleaning, use of chemicals and acidic agents should be avoided.
- It should be kept away from combustible agents and fire.

Maintenance

- Periodic maintenance of the products can be performed by our firm for free of charge. Contacting our firm will be enough for conduct of maintenance.
- Maintenance of products are classified as monthly and annual maintenance.
- The technical support regarding how such maintenance should be made will also be provided those requesting it by our firm.

Responsibility

- The firms executing implementation shall be directly responsible for any problems arising from customized use by the person.
- The firms executing the implementation shall also be responsible for any problems arising from failure to use Proted products in joining applications.

The operation instructions prepared by Proted are revised in respect to compliance with existing technical design. The instructions are for health organizations and implementation centers and should be conveyed to patients. Regarding any products exclusive to person, of which function and/or operation is not clear the health organization shall prepare operation instructions.

ISO 9001 QUALITY ASSURANCE

CE

Declaration of Compliance

As Proted Prosthetics-Orthotics and Rehabilitation Co. Ltd.; we hereby declare that our products are in compliance with 93/42/EEC EU Medical Devices Directive and we have been applying TS EN ISO 9001:2001 Quality Management System in our processes.

Ordering Information:

Product Name

Serie

Product Code

PR04.DK.19M

Disarticulation Polycentric Knee Joint with Lock

GrandX dk

Knee Joints

Product Group



Product Illustration

Key Data	
Mobility Degree	1
Proximal Connection	Threaded Adapter
Distal Connection	Tube Receiver
Knee Flexion Angle	150°
Weight	~731 gr
System Height	110 mm
Material	Alloyed Aluminium
Maximum Body Weight	100 kgs

Key Data

Disarticulation knee joints with polycentric kinematics and adjustable lock mechanism, offering comfortable walking, excellent stability and stance fase control for the prosthetic limb user.

Locking occurs automatically at full extension, but can be released using the lock cable.

Recommended for transfemoral amputees with mobility grade 1.

Comes together with lamination parts.

Brief Description

Navy Blue

GrandX dk

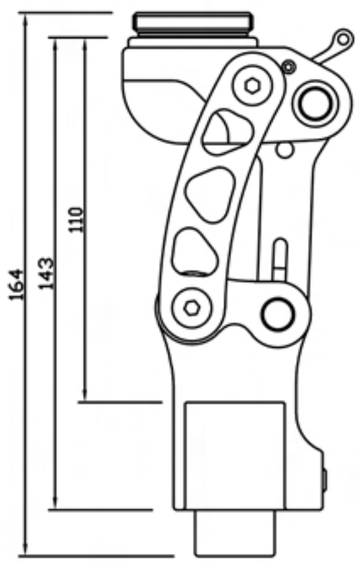
Indications:

- Above-knee amputation
- During rehabilitation or mobility classes 1
- Maximum body weight 100 kg

Properties:

- Knee flexion angle up to 150°
- Adjustable flexion and extension dampening

Technical Specs



Overall fitted height:
approx. 164 mm

Effective fitted height:
approx. 143 mm

System height:
approx. 110 mm

Technical Specs

proted

Prosthetics & Orthotics

flexcomfort

flexcomfort C

flexliner

flexsleeve







MADE IN TURKEY

ISO 9001 QUALITY ASSURANCE

CE

SILICONE LINERS

PR30.FC.3MM
PR30.FC.6MM

FlexComfort Locking
Cushion Liner

Silicone Liners



SLI

Key Data	PR30.FC.3MM & 6MM
Connection	with distal connection
Size (distal circumference)	180 mm, 200 mm, 220 mm, 235 mm, 250 mm, 265 mm, 280 mm, 300 mm, 320 mm, 340 mm, 360 mm, 380 mm, 400 mm, 420 mm, 450 mm, 470 mm, 500 mm, 520 mm
Material	Silicone, high quality lycra fabric

The high-tech functionality of the antibacterial additive protects the liner against bacteria and against unpleasant odours.

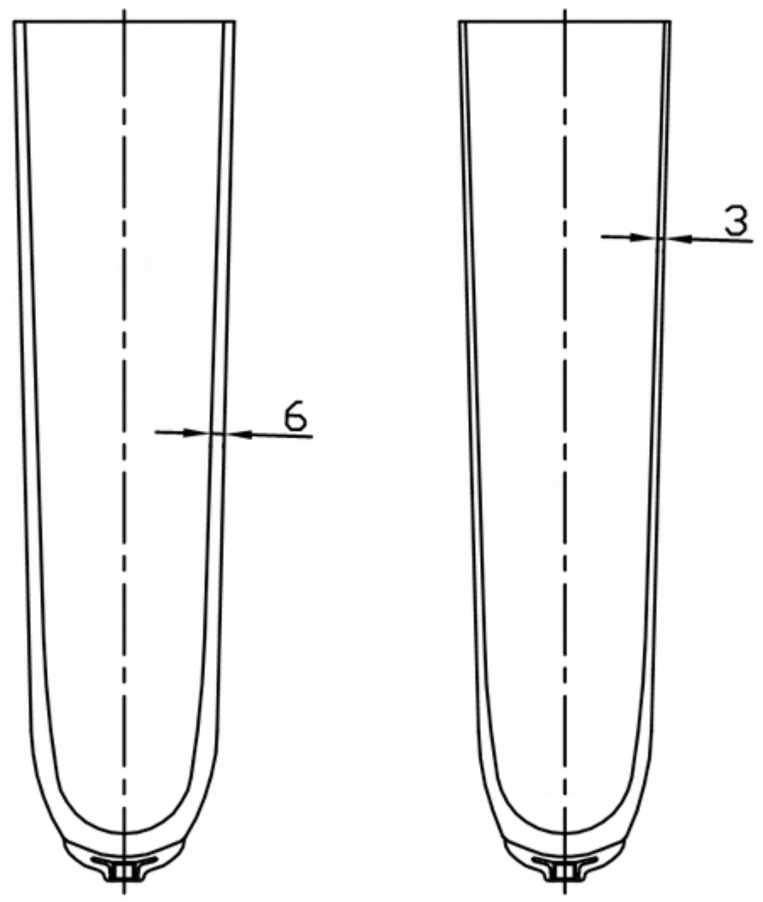
Thanks to its high transverse elasticity, the liner adapts to the shape of the residual limb .The integrated, interior textile matrix prevents elongation and pistoning for superior safety and control. Circumferential stretching is not affected.

The new, silky and skin-friendly interior effectively reduces friction between the liner and skin, especially in the area of the perineum.

Overall Specs:

- Excellent adherence of the liner on the skin
- Superior Durability
- Excellent control of the prosthesis
- Resistance to ageing, stretching and abrasion
- Sterilized at high temperature
- For active and very active patients

Technical Specs



PR30.FD.3MM
PR30.FD.6MM

FlexComfort C Cushion Liner

flexcomfort C



SLI

Key Data	PR30.FD.3MM & 6MM
Connection	without distal connection
Size (distal circumference)	180 mm, 200 mm, 220 mm, 235 mm, 250 mm, 265 mm, 280 mm, 300 mm, 320 mm, 340 mm, 360 mm, 380 mm, 400 mm, 420 mm, 450 mm, 470 mm, 500 mm, 520 mm
Material	Silicone, high quality lycra fabric

The high-tech functionality of the antibacterial additive protects the liner against bacteria and therefore against unpleasant odours.

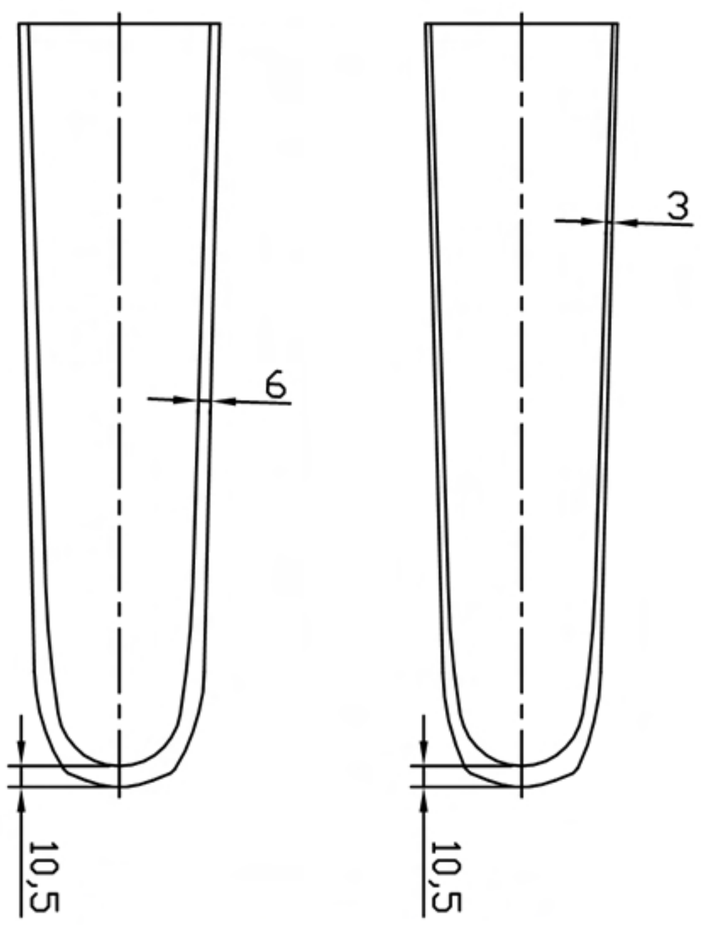
Thanks to its high transverse elasticity, the liner adapts to the shape of the residual limb .The integrated, interior textile matrix prevents elongation and pistoning for superior safety and control. Circumferential stretching is not affected.

The new, silky and skin-friendly interior effectively reduces friction between the liner and skin, especially in the area of the perineum.

Overall Specs:

- Excellent adherence of the liner on the skin
- Superior Durability
- Excellent control of the prosthesis
- Resistance to ageing, stretching and abrasion
- Sterilized at high temperature
- For active and very active patients

Technical Specs



PR30.FX.3MM
PR30.FX.6MM

FlexLiner Cushion Liner

flexliner



Key Data	PR30.FX.3MM & 6MM
Connection	without distal connection
Size (distal circumference)	180 mm, 200 mm, 220 mm, 235 mm, 250 mm, 265 mm, 280 mm, 300 mm, 320 mm, 340 mm, 360 mm, 380 mm, 400 mm, 420 mm, 450 mm, 470 mm, 500 mm, 520 mm
Material	Silicone

FlexLiner is a preflexed, skin-friendly polyurethane liner with flow characteristics providing good pressure distribution and high shock absorption.

It is designed specifically for transtibial amputees.

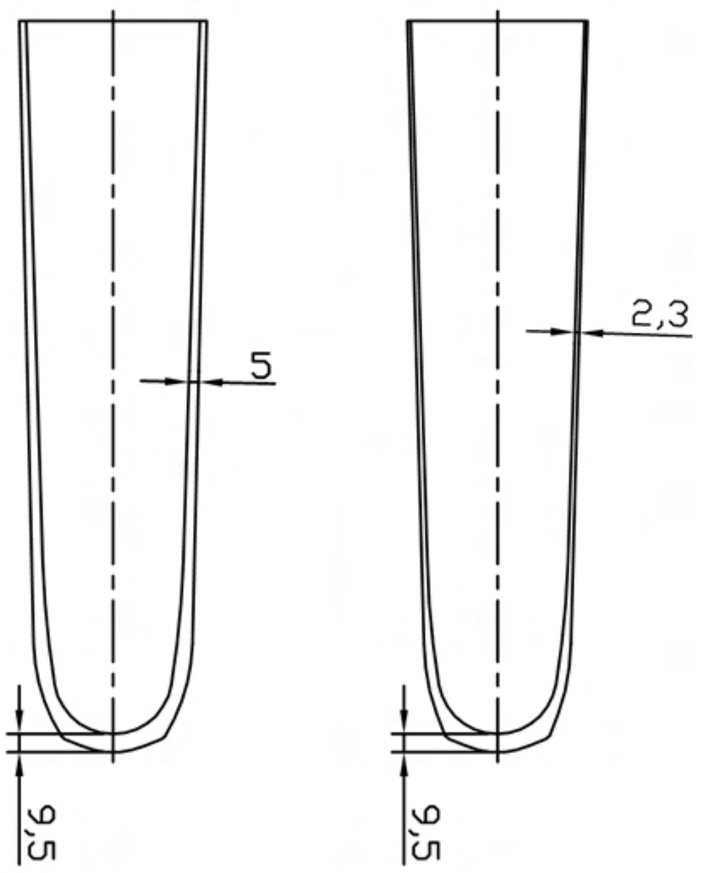
Integrated flexion makes it easier to bend the knee.

SLI

Overall Specs:

- Excellent adherence of the liner on the skin
- Superior Durability
- Excellent control of the prosthesis
- Resistance to ageing, stretching and abrasion
- Sterilized at high temperature
- For active and very active patients

Technical Specs



PR32.DZ.XS1
PR32.DZ.S01
PR32.DZ.M01
PR32.DZ.L01
PR32.DZ.XL1

Silicone Sleeve



Washable

Key Data					
Size	X-Small	Small	Medium	Large	X-Large
Circumference	23-31 cm	25-35 cm	27-39 cm	30-44 cm	34-48 cm
Length	35 cm				

PR32.DZ silicone sleeve can be used as the primary suspension system or with a valve. It is suitable for users with a low to high activity level.

The PR32.DZ also gives the patient freedom of knee flexion while minimizing compression proximally.

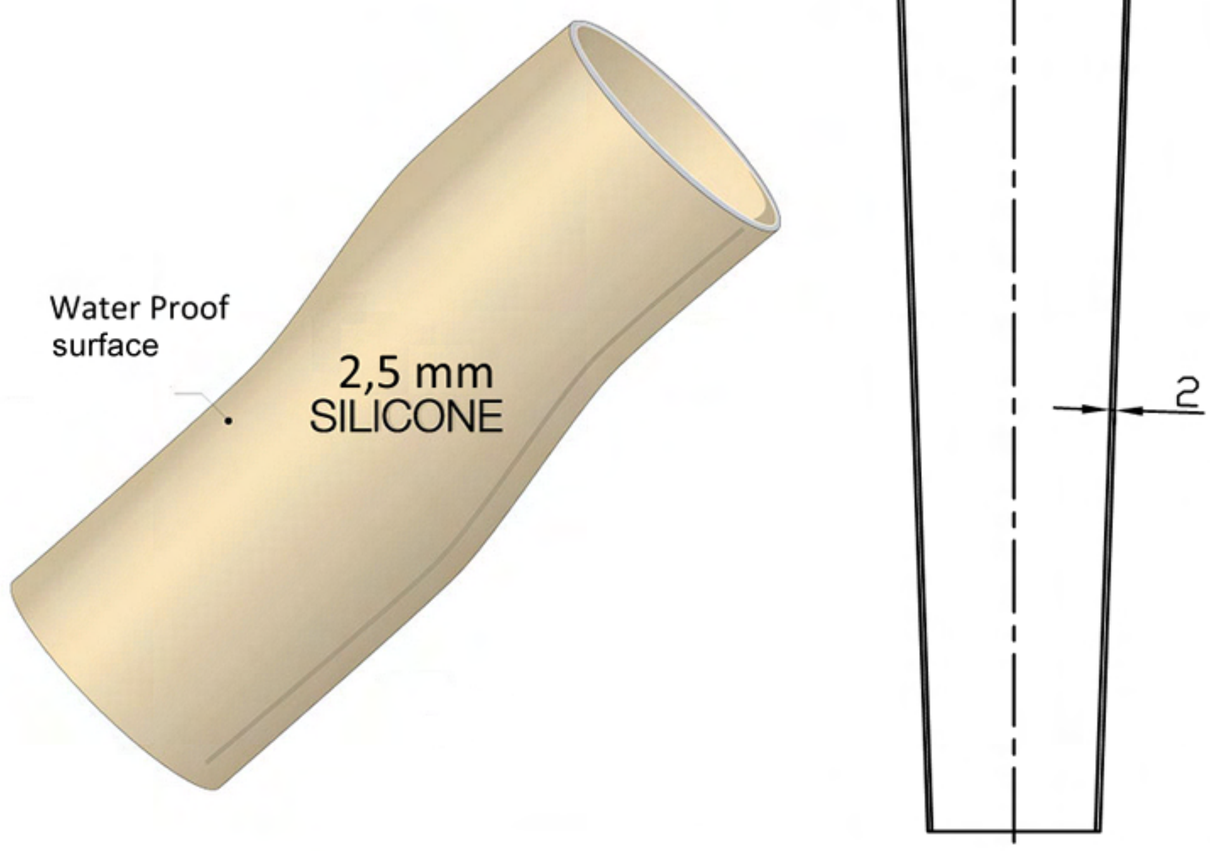
The sleeve is an anatomically shaped sealing sleeve made from a hard-wearing silicone material with leather.

Silicone Liners

Overall Specs:

- Achieves a secure suspension
- No circulation restriction
- Water proof
- Custom sizes available
- Sterilized at high temperature
- Easy-clean surface

Technical Specs



LINERS
Overview

Silicone Liners



PR30.FC
with lock pin



PR30.FD
without lock pin



PR30.FX
without textile



PR32.DZ
silicone sleeve

Silicone Liners | Overview

	Connection	Size (Distal Circumference)	Material
PR30.FC.3mm	with distal connection	180 mm, 200 mm, 220 mm, 235 mm, 250 mm, 265 mm, 280 mm, 300 mm, 320 mm, 340 mm, 360 mm, 380 mm, 400 mm, 420 mm, 450 mm, 470 mm, 500 mm, 520 mm	Silicone, High quality lycra fabric
PR30.FC.6mm	with distal connection	180 mm, 200 mm, 220 mm, 235 mm, 250 mm, 265 mm, 280 mm, 300 mm, 320 mm, 340 mm, 360 mm, 380 mm, 400 mm, 420 mm, 450 mm, 470 mm, 500 mm, 520 mm	Silicone, High quality lycra fabric
PR30.FD.3mm	with distal connection	180 mm, 200 mm, 220 mm, 235 mm, 250 mm, 265 mm, 280 mm, 300 mm, 320 mm, 340 mm, 360 mm, 380 mm, 400 mm, 420 mm, 450 mm, 470 mm, 500 mm, 520 mm	Silicone, High quality lycra fabric
PR30.FD.6mm	with distal connection	180 mm, 200 mm, 220 mm, 235 mm, 250 mm, 265 mm, 280 mm, 300 mm, 320 mm, 340 mm, 360 mm, 380 mm, 400 mm, 420 mm, 450 mm, 470 mm, 500 mm, 520 mm	Silicone, High quality lycra fabric
PR30.FX.3mm	with distal connection	180 mm, 200 mm, 220 mm, 235 mm, 250 mm, 265 mm, 280 mm, 300 mm, 320 mm, 340 mm, 360 mm, 380 mm, 400 mm, 420 mm, 450 mm, 470 mm, 500 mm, 520 mm	Silicone, High quality lycra fabric
PR30.FX.6mm	with distal connection	180 mm, 200 mm, 220 mm, 235 mm, 250 mm, 265 mm, 280 mm, 300 mm, 320 mm, 340 mm, 360 mm, 380 mm, 400 mm, 420 mm, 450 mm, 470 mm, 500 mm, 520 mm	Silicone, High quality lycra fabric

	Size	Circumference	Lenght
PR32.DZ.XS1	X-Small	23-31 cm	35 cm
PR32.DZ.S01	Small	25-35 cm	35 cm
PR32.DZ.M01	Medium	27-39 cm	35 cm
PR32.DZ.L01	Large	30-44 cm	35 cm
PR32.DZ.XL1	X-Large	27-39 cm	35 cm

FOR TECHNICIANS

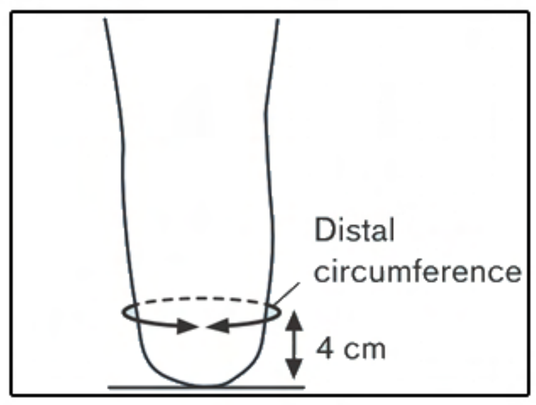
Silicone Liners

General Info:

- Ideal for use in combination with the shuttle lock system
- Extremely durable
- Easy to clean
- Residual limbs with a good covering of soft tissue
- Low to medium activity level
- Use specific weight bearing socket design

Implementation and Recommendations

- Measure distal circumference, select next smaller liner size
- It is used when applying a prosthesis to patient with knee joint amputation.
- When implementing silicon liner, re-cleaning of socket is recommended before applying.
- Use of them as per weights given in table for liner products is recommended.
- Use of silicon liner together with joint components of Proted will yield better results.
- Patients should be careful about their physical properties of patient such as weight, size etc.



Warnings

- It is recommended that all requirements specified under application and recommendations be fully observed.
- Exposure to thermal environment (too hot or cold temperatures, moisture, ventilation) should be kept at a minimum.
- The user should abstain from improper standing positions. Please take the information from the technician about the improper standing positions.
- Contact with power sources that can harm human health should be avoided.
- Exposure to direct sunlight should be avoided.
- The product should be kept away from oily environment, chemicals and acidic agents.
- During cleaning, use of chemicals and acidic agents should be avoided.
- It should be kept away from combustible agents and fire.

Maintenance

- Periodic maintenance of the products can be performed by our firm for free of charge. Contacting our firm will be enough for conduct of maintenance.
- Maintenance of products are classified as monthly and annual maintenance.
- The technical support regarding how such maintenance should be made will also be provided those requesting it by our firm.

Responsibility

- The firms executing implementation shall be directly responsible for any problems arising from customized use by the person.
- The firms executing the implementation shall also be responsible for any problems arising from failure to use Proted products in joining applications.

The operation instructions prepared by Proted are revised in respect to compliance with existing technical design. The instructions are for health organizations and implementation centers and should be conveyed to patients. Regarding any products exclusive to person, of which function and/or operation is not clear the health organization shall prepare operation instructions.

ISO 9001 QUALITY ASSURANCE

CE

Declaration of Compliance

As Proted Prosthetics-Orthotics and Rehabilitation Co. Ltd.; we hereby declare that our products are in compliance with 93/42/EEC EU Medical Devices Directive and we have been applying TS EN ISO 9001:2001 Quality Management System in our processes.

Ordering Information:

Product Name

Serie

Product Code

PR30.FC.3MM
PR30.FC.6MM

FlexComfort Locking
Cushion Liner

Silicone Liners

Product Group



Product Illustration

SLI

Key Data	PR30.FC.3MM & 6MM
Connection	with distal connection
Size (distal circumference)	180 mm, 200 mm, 220 mm, 235 mm, 250 mm, 265 mm, 280 mm, 300 mm, 320 mm, 340 mm, 360 mm, 380 mm, 400 mm, 420 mm, 450 mm, 470 mm, 500 mm, 520 mm
Material	Silicone, high quality lycra fabric

Key Data

The high-tech functionality of the antibacterial additive protects the liner against bacteria and against unpleasant odours.

Thanks to its high transverse elasticity, the liner adapts to the shape of the residual limb .The integrated, interior textile matrix prevents elongation and pistoning for superior safety and control. Circumferential stretching is not affected.

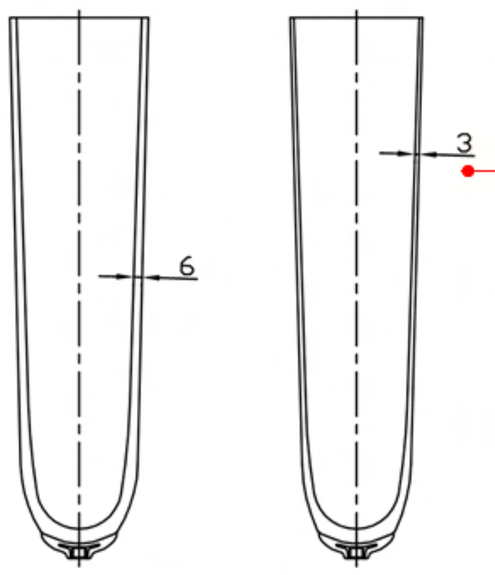
The new, silky and skin-friendly interior effectively reduces friction between the liner and skin, especially in the area of the perineum.

Brief Description

Overall Specs:

- Excellent adherence of the liner on the skin
- Superior Durability
- Excellent control of the prosthesis
- Resistance to ageing, stretching and abrasion
- Sterilized at high temperature
- For active and very active patients

Technical Specs



Technical Specs

proted

Prosthetics & Orthotics

MADE IN TURKEY



ISO 9001 QUALITY ASSURANCE

CE

PIN LOCK SYSTEMS

PRLK.10

Pin Lock System

Pyramid, Silicone Liner adapter with spiral gear and control latch.

- Easy to unlock ratchet unit, even under tensile load
- Adjustable: Engages silently or audibly





Product Code	Distal Connection	Weight	Material	Max. Body Weight
PRLK.10	Pyramid Adapter	~404 gr	S. Steel & Aluminium	100 kgs

PRLK.20

Pin Lock System with Receiver

Pyramid receiver, silicone liner adapter with spiral gear and control latch. It is harmonious for above knee applications and tall stamps.

- Easy to unlock ratchet unit, even under tensile load
- Shorter pin
- Adjustable: Engages silently or audibly
- Especially well suited for transtibial prostheses on long residual limbs or transfemoral prostheses





"SHORT PIN"

Product Code	Distal Connection	Weight	Material	Max. Body Weight
PRLK.20	Pyramid Receiver	~392 gr	S. Steel & Aluminium	100 kgs

Pin Lock Systems | Overview

Proted is continuously working to develop new products and existing better adapt to the patients' needs. The production processes under certain quality management systems are continuously developing as well. You can examine all of the pin lock systems in here and easily select the one which you and your technician thinks that it fits you the best.

		
Code	PRLK.10	PRLK.20
Weight (~)*	404 gr	392 gr
Max Body Weight	100 kgs	100 kgs
Material	Stainless Steel Alloyed Aluminium	Stainless Steel Alloyed Aluminium

Sample Order Code

P R L K 1 0

Reference Number

Serial Code

General Warranty Information

Warranty and Quality Information

Warranty: 24 month limited warranty.

Proted operates a quality management system that meets the requirements of ISO 13485 and 9001. Products are CE-marked and conform to standards and other normative documents outlined in the EC (CE) Declaration of Conformity.

FOR TECHNICIANS

Implementation and Recommendations

- Pin Lock Systems are used in place of connection, appearance and some functions of foot when implementing prosthesis to patients with amputation.
- In static adjustment, it shall be adjusted in a manner the load is supported from heel and sole.
- Use of them as per weights given in table for pin lock system products is recommended.
- Cleaning adapters again is recommended before conduct of joining operations during prosthesis implementation.
- Maintenance and cleaning of the adapters have been made at Proted's manufacturing facilities.
- It is recommended that adapters be used with Proted parts compatible with adapters.

Milimetric adjustable function of the adapters and compliance with rotational movements also provides advantages for users and implementers.

Warnings

- It is recommended that all requirements specified under application and recommendations be fully observed.
- Exposure to thermal environment (too hot or cold temperatures, moisture, ventilation) should be kept at a minimum.
- The user should abstain from improper standing positions. Please take the information from the technician about the improper standing positions.
- Contact with power sources that can harm human health should be avoided.
- Exposure to direct sunlight should be avoided.
- The product should be kept away from oily environment, chemicals and acidic agents.
- During cleaning, use of chemicals and acidic agents should be avoided.
- It should be kept away from combustible agents and fire.

Maintenance

- Periodic maintenance of the products can be performed by our firm for free of charge. Contacting our firm will be enough for conduct of maintenance.
- Maintenance of products are classified as monthly and annual maintenance.
- The technical support regarding how such maintenance should be made will also be provided those requesting it by our firm.

Responsibility

- The firms executing implementation shall be directly responsible for any problems arising from customized use by the person.
- The firms executing the implementation shall also be responsible for any problems arising from failure to use Proted products in joining applications.

The operation instructions prepared by Proted are revised in respect to compliance with existing technical design. The instructions are for health organizations and implementation centers and should be conveyed to patients. Regarding any products exclusive to person, of which function and/or operation is not clear the health organization shall prepare operation instructions.

ISO 9001 QUALITY ASSURANCE

CE

Declaration of Compliance

As Proted Prosthetics-Orthotics and Rehabilitation Co. Ltd.; we hereby declare that our products are in compliance with 93/42/EEC EU Medical Devices Directive and we have been applying TS EN ISO 9001:2001 Quality Management System in our processes.

Ordering Information:

Pin Lock Systems

Product Code

Product Name

Brief Description

PRLK.10

Pin Lock System

Pyramid, Silicone Liner adapter with spiral gear and control latch.

- Easy to unlock ratchet unit, even under tensile load
- Adjustable: Engages silently or audibly





Product Illustration

Product Code	Distal Connection	Weight	Material	Max. Body Weight
PRLK.10	Pyramid Adapter	~404 gr	S. Steel & Aluminium	100 kgs

Product Group

Order Code:

Select the desired product and determine the article number. It consists of the reference number plus additional parameters such as body side, size, material and colour. The order examples on the respective catalogue pages show how the article number can be determined quickly and easily.

Order example:

Reference Number . Serie / Size

PR03 Y1 030

Product Code	Diameter	Lenght	Weight	Material	Max. Body Weight
PR03.Y1.030	Ø 30 mm	47,5 mm	~135 gr	Stainless Steel	100 kgs
PR03.Y2.030	Ø 30 mm	47,5 mm	~ 92 gr	Titanium	100 kgs
PR03.Y3.030	Ø 30 mm	47,5 mm	~ 69 gr	Aluminium	75 kgs

proted

Prosthetics & Orthotics



MADE IN TURKEY

AirFEED
active vacuum

The close distance between the pump and the exhaust valve ensures a fast air reduction

The specially integrated exhaust system ensures higher protection of essential parts and creates a more aestetic look.

ISO 9001 QUALITY ASSURANCE

CE

ACTIVE VACUUM SYSTEM

PR09.AV

Active Vacuum System

AirFEED active vacuum





Key Data	
Mobility Degree	1, 2, 3, 4
Proximal Connection	Tube clamp
Distal Connection	Tube Receiver
Weight	~404 gr
System Length	113 mm
Material	Alloyed Aluminium
Maxiumum Body Weight	45-120 kgs

Active Vacuum eliminates the present disadvantages and sucks the air between socket and silicone sleeve and discharges it, in the prostheses for below-knee amputation patients.

By discharging the air inside the socket, the compatibility between the socket and the amputated part of the patient is ensured. By this means, the patient feels his/her prosthesis more lightly, the piston flow (entrance - exit) likely to occur in the socket is stopped, the patient is ensured to continue to his/her life for a long time actively, and the reaction force of the ground starting with stepping on the ground during walking of the patient is absorbed.

A connector rotating 360 degrees is used for modular connection of air suction line to the apparatus according to the invention in the socket application.

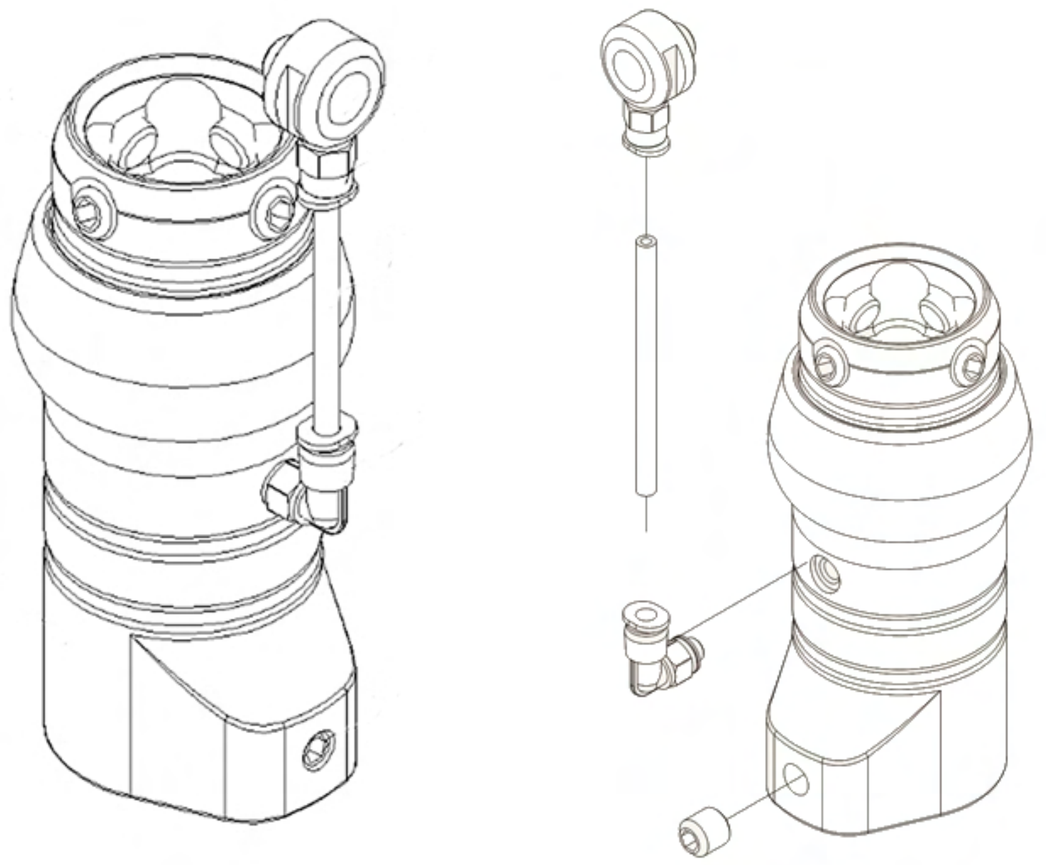
Indications:

- Below-knee amputation
- During rehabilitation or all mobility classes
- Maximum body weight 120 kg

Properties:

- Easy to connect
- Absorption of ground forces effectively

Technical Specs



AirFEED Active Vacuum | Overview

Proted is continuously working to develop new products and existing better adapt to the patients' needs. The production processes under certain quality management systems are continuously developing as well.

	AirFEED active vacuum		
Code	PR09.AV.001	PR09.AV.002	PR09.AV.003
Weight (~)*	404 gr	404 gr	404 gr
Max Body Weight	45-65 kgs	66-85 kgs	85-120 kgs
Material	Alloyed Aluminium		
Length	113 mm		
Tube Adapter	Ø 34 mm		



Sample Order Code

P R 0 9 — A V — 0 0 1

- P R 0 9 — Reference Number
- A V — Serial Code
- 0 0 1 — Type

General Warranty Information

Warranty and Quality Information

Warranty: 24 month limited warranty.

Proted operates a quality management system that meets the requirements of ISO 13485 and 9001. Products are CE-marked and conform to standards and other normative documents outlined in the EC (CE) Declaration of Conformity.

FOR TECHNICIANS

Implementation and Recommendations

- Active Vacuum is used in place of connection socket when implementing prosthesis to patients with amputation.
- Use of them as per weights given in table for joint products is recommended.
- Cleaning the product again is recommended before conduct of joining operations during prosthesis implementation.
- Maintenance and cleaning of the products have been made at Proted's manufacturing facilities.
- It is recommended that products be used with Proted parts compatible with adapters.

Warnings

- It is recommended that all requirements specified under application and recommendations be fully observed.
- Exposure to thermal environment (too hot or cold temperatures, moisture, ventilation) should be kept at a minimum.
- The user should abstain from improper standing positions. Please take the information from the technician about the improper standing positions.
- Contact with power sources that can harm human health should be avoided.
- Exposure to direct sunlight should be avoided.
- The product should be kept away from oily environment, chemicals and acidic agents.
- During cleaning, use of chemical and acidic agents should be avoided.
- It should be kept away from combustible agents and fire.

Active Vacuum

Maintenance

- Periodic maintenance of the products can be performed by our firm for free of charge. Contacting our firm will be enough for conduct of maintenance.
- Maintenance of products are classified as monthly and annual maintenance.
- The technical support regarding how such maintenance should be made will also be provided those requesting it by our firm.

Responsibility

- The firms executing implementation shall be directly responsible for any problems arising from customized use by the person.
- The firms executing the implementation shall also be responsible for any problems arising from failure to use Proted products in joining applications.

The operation instructions prepared by Proted are revised in respect to compliance with existing technical design. The instructions are for health organizations and implementation centers and should be conveyed to patients. Regarding any products exclusive to person, of which function and/or operation is not clear the health organization shall prepare operation instructions.

ISO 9001 QUALITY ASSURANCE

CE

Declaration of Compliance

As Proted Prosthetics-Orthotics and Rehabilitation Co. Ltd.; we hereby declare that our products are in compliance with 93/42/EEC EU Medical Devices Directive and we have been applying TS EN ISO 9001:2001 Quality Management System in our processes.

Ordering Information:

Product Code

PR09.AV

Product Name

Active Vacuum System

AirFEED active vacuum





Key Data	
Mobility Degree	1, 2, 3, 4
Proximal Connection	Tube clamp
Distal Connection	Tube Receiver
Weight	~404 gr
System Length	113 mm
Material	Alloyed Aluminium
Maxiumum Body Weight	45-100 kgs

Key Data

Active Vacuum eliminates the present disadvantages and sucks the air between socket and silicone sleeve and discharges it, in the prostheses for below-knee amputation patients.

By discharging the air inside the socket, the compatibility between the socket and the amputated part of the patient is ensured. By this means, the patient feels his/her prosthesis more lightly, the piston flow (entrance - exit) likely to occur in the socket is stopped, the patient is ensured to continue to his/her life for a long time actively, and the reaction force of the ground starting with stepping on the ground during walking of the patient is absorbed.

A connector rotating 360 degrees is used for modular connection of air suction line to the apparatus according to the invention in the socket application.

Brief Description

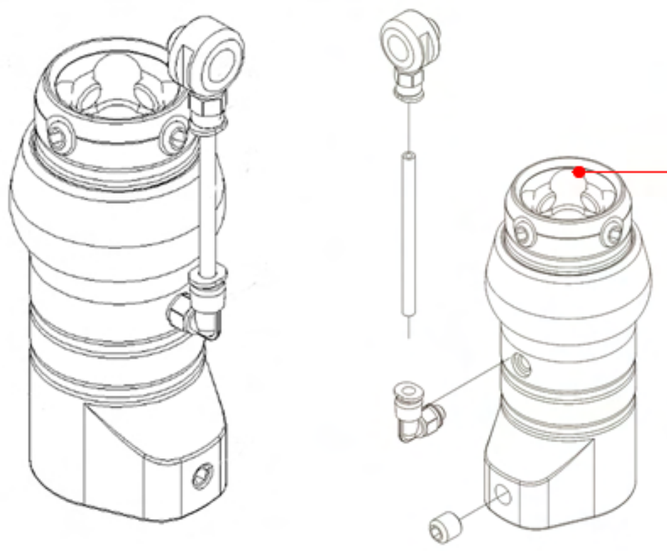
Indications:

- Below-knee amputation
- During rehabilitation or all mobility classes
- Maximum body weight 115 kg

Properties:

- Easy to connect
- Absorption of ground forces effectively

Technical Specs



Technical Specs

proted

Prosthetics & Orthotics

MADE IN TURKEY



ISO 9001 QUALITY ASSURANCE

CE

VENTILS & VALVES

PR09.VS

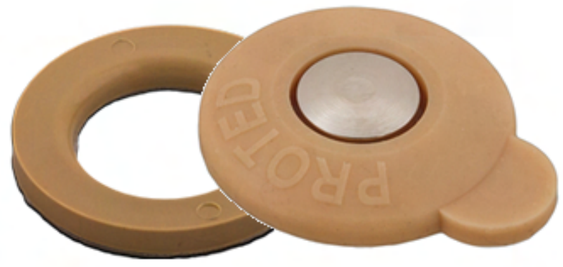
Ventil Set



Product Code	Weight	Material
PR09.VS	~29 gr	Aluminium

PR09.MS

Manuel Valve Set



Product Code	Weight	Material
PR09.MS	~15 gr	Silicone & Plastic

PR09.SY

Valve Ring



Product Code	Weight	Material
PR09.SY	~4 gr	Plastic

PR09.SL

Valve Body



Product Code	Weight	Material
PR09.SL	~12 gr	Silicone

PR09.BS

Valve



Product Code	Weight	Material
PR09.BS	~22 gr	Plastic

Ordering Information:

Ventils & Valves

Product Code

Product Name

Product Code	Weight	Material
PR09.MS	~15 gr	Silicone & Plastic

PR09.SY
Valve Ring



Product Code	Weight	Material
PR09.SY	~4 gr	Plastic

Notice

PR09.SL
Valve Body



Product Illustration

Product Code	Weight	Material
PR09.SL	~12 gr	Silicone

Product Group

Order Code:

Select the desired product and determine the article number. It consists of the reference number plus additional parameters such as body side, size, material and colour. The order examples on the respective catalogue pages show how the article number can be determined quickly and easily.

Order example:

Reference Number . Serie		
PR09	SL	

Product Code	Weight	Material
PR09.SL	~12 gr	Silicone

proted

Prosthetics & Orthotics

MADE IN TURKEY



ISO 9001 QUALITY ASSURANCE

CE

COSMETIC FOAMS

PR06.FD.A01
PR06.FD.A02
PR06.FD.S01
PR06.FD.S02

Below Knee Cosmetic Foam

Sample Order Code

Main Code				Serie		Color	Type	
P	R	0	1	F	D	A	0	1
P	R	0	1	F	D	A	0	1

Flexible, non-shaped beige colour foam for modular transtibial prostheses.

Key Data	PR06.FD.A01 / S01	PR06.FD.A02 / S02
Tube Diameter	30 mm	34 mm
Length	44 cm	44 cm
Material	PU Foam	
Color	Beige / Dark Brown	



Cosmetic Foams

PR06.FD.380
PR06.FD.480
PR06.FD.38S
PR06.FD.48S

Below Knee Cosmetic Foam

Sample Order Code

Main Code				Serie		Type		Color
P	R	0	1	F	D	3	8	0
P	R	0	1	F	D	3	8	S

Non-shaped, beige colour PE foam for modular transtibial prostheses.

Key Data	PR06.FD.380 / 38S	PR06.FD.480 / 48S
Tube Diameter	30 mm	34 mm
Length	48 cm	48 cm
Material	PE Foam	
Color	Beige / Dark Brown	



PR06.DU
PR06.SU

Above Knee Cosmetic Foam

Flexible beige colour foam, preshaped for modular transfemural prostheses. Should only be used with modular knee joints with internal extension assists.

Sample Order Code

Main Code				Color	Serie	Size		Side
P	R	0	6	D	U	3	8	R
P	R	0	6	S	U	3	8	R

Key Data	PR06.DU PR06.SU (brown)
Calf Circumference	36 - 38 - 40 - 42 - 44 cm
Length	90 cm
Material	PU Foam
Knee Flexion	15 °
Side	L / R
Color	Beige Dark Brown



PR06.DO
PR06.SO

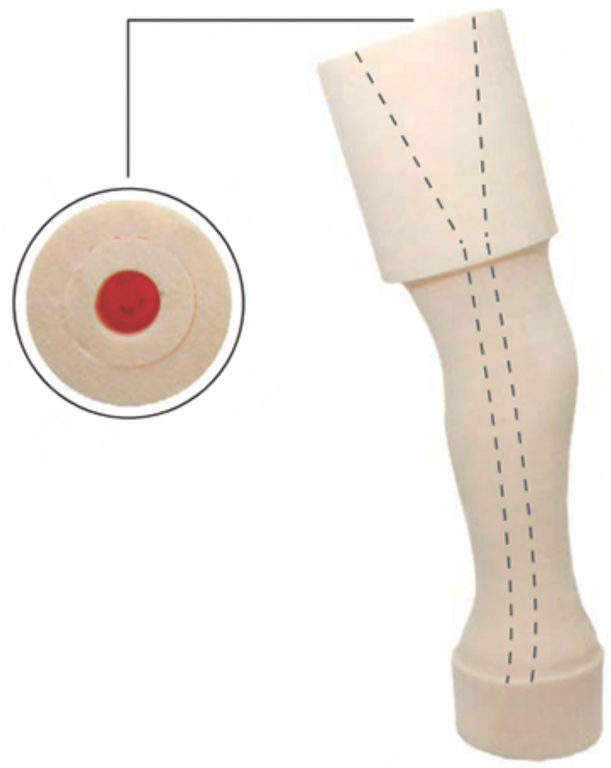
Above Knee Cosmetic Foam

Flexible beige coloured foam, not flexed. Preshaped for knee disarticulation prostheses.

Sample Order Code

Main Code				Color	Serie	Size		Side
P	R	0	6	D	O	3	8	R
P	R	0	6	S	O	3	8	R

Key Data	PR06.DO PR06.SO (brown)
Calf Circumference	36 - 38 - 40 - 42 - 44 cm
Length	90 cm
Material	PU Foam
Knee Flexion	15 °
Side	L / R
Color	Beige



PR06.DZ
PR06.SZ

Disarticulation Cosmetic Foam

Flexible beige coloured foam, not flexed. Preshaped for knee disarticulation prostheses.

Sample Order Code

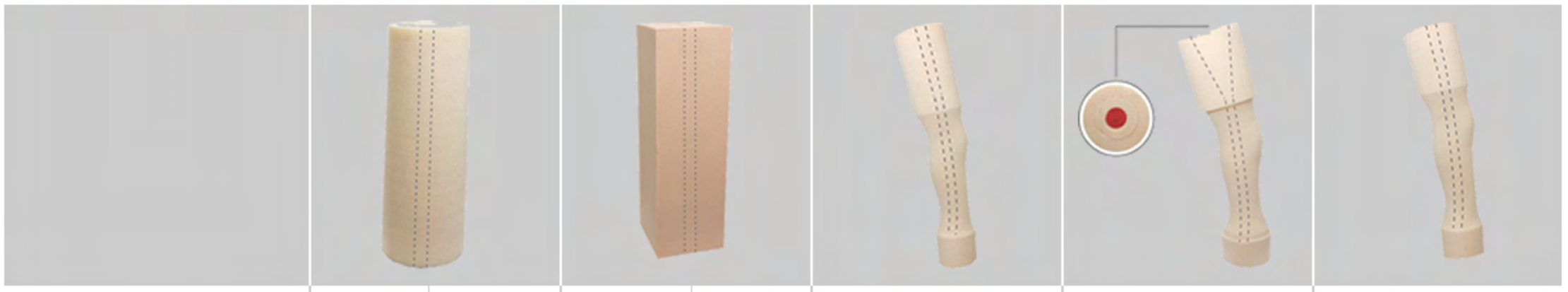
Main Code				Color	Serie	Size		Side
P	R	0	6	D	Z	3	8	R
P	R	0	6	S	Z	3	8	R

Key Data	PR06.DZ	PR06.SZ (brown)
Calf Circumference	36 - 38 - 40 - 42 - 44 cm	
Length	70 cm	
Material	PU Foam	
Knee Flexion	15 °	
Side	L / R	
Color	Beige	Dark Brown



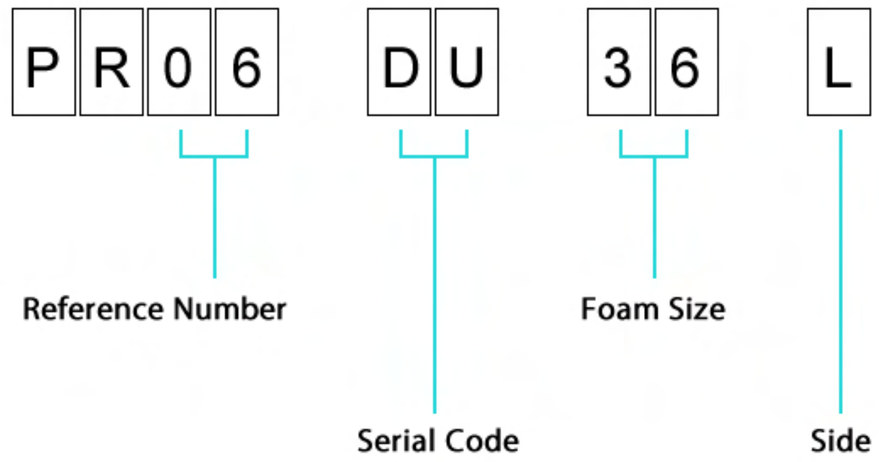
Cosmetic Foams

Cosmetic Foams | Overview



Code	FD.A01	FD.A02	FD.380	FD.480	PR06.DU	PR06.DO	PR06.DZ
Tube Diameter	30 mm	34 mm	30 mm	34 mm	-	-	-
Calf Circumference	-	-	-	-	36, 38, 40, 42, 44 cm	36, 38, 40, 42, 44 cm	36, 38, 40, 42, 44 cm
Knee Flexion	-	-	-	-	15°	15°	15°
Length	44 cm	44 cm	48 cm	48 cm	90 cm	90 cm	70 cm
Material	PU Foam	PU Foam	PE Foam	PE Foam	PU Foam	PU Foam	PU Foam
Color	Beige		Beige		Beige	Beige	Beige

Sample Order Code



General Warranty Information

Warranty and Quality Information

Warranty: 24 month limited warranty.

Proted operates a quality management system that meets the requirements of ISO 13485 and 9001. Products are CE-marked and conform to standards and other normative documents outlined in the EC (CE) Declaration of Conformity.

FOR TECHNICIANS

Implementation and Recommendations

- Cosmetic Foams are used in place of appearance of foot and leg when implementing prosthesis to patients with amputation.
- Use of them as per weights given in table for joint products is recommended.
- Cleaning adapters again is recommended before conduct of joining operations during prosthesis implementation.
- Maintenance and cleaning of the adapters have been made at Proted's manufacturing facilities.
- It is recommended that cosmetic foams be used with Proted parts compatible with adapters.

Warnings

- It is recommended that all requirements specified under application and recommendations be fully observed.
- Exposure to thermal environments should be kept at a minimum.
- The user should abstain from improper standing positions. Please take the information from the technician about the improper standing positions.
- Contact with power sources that can harm human health should be avoided.
- Exposure to direct sunlight should be avoided.
- The product should be kept away from oily environment, chemicals and acidic agents.
- During cleaning, use of chemicals and acidic agents should be avoided.
- The products should be kept away from combustible agents and fire.

Maintenance

- Periodic maintenance of the products can be performed by our firm for free of charge. Contacting our firm will be enough for conduct of maintenance.
- Maintenance of products are classified as monthly and annual maintenance.
- The technical support regarding how such maintenance should be made will also be provided those requesting it by our firm.

Responsibility

- The firms executing implementation shall be directly responsible for any problems arising from customized use by the person.
- The firms executing the implementation shall also be responsible for any problems arising from failure to use Proted products in joining applications.

The operation instructions prepared by Proted are revised in respect to compliance with existing technical design. The instructions are for health organizations and implementation centers and should be conveyed to patients. Regarding any products exclusive to person, of which function and/or operation is not clear the health organization shall prepare operation instructions.

ISO 9001 QUALITY ASSURANCE

CE

Declaration of Compliance

As Proted Prosthetics-Orthotics and Rehabilitation Co. Ltd.; we hereby declare that our products are in compliance with 93/42/EEC EU Medical Devices Directive and we have been applying TS EN ISO 9001:2001 Quality Management System in our processes.

Ordering Information:

Product Code

Product Name

PR06.FD.A01
PR06.FD.A02
PR06.FD.S01
PR06.FD.S02

Below Knee Cosmetic Foam

Flexible, non-shaped beige colour foam for modular transtibial prostheses.

Product Group

Key Data	PR06.FD.A01 / S01	PR06.FD.A02 / S02
Tube Diameter	30 mm	34 mm
Length	44 cm	44 cm
Material	PU Foam	
Color	Beige	Dark Brown

Sample Order Code

Sample Order Code

Main Code				Serie		Color	Type	
P	R	0	1	F	D	A	0	1
P	R	0	1	F	D	A	0	1

Brief Description

Brief Description



Product Illustration

Order Code:

Select the desired product and determine the article number. It consists of the reference number plus additional parameters such as body side, size, material and colour. The order examples on the respective catalogue pages show how the article number can be determined quickly and easily.

Order example:

Reference Number . Serie . Color . Size

PR06 FD A R

Key Data	PR06.FD.A01 / S01	PR06.FD.A02 / S02
Tube Diameter	30 mm	34 mm
Length	44 cm	44 cm
Material	PU Foam	
Color	Beige	Dark Brown

proted

Prosthetics & Orthotics

MADE IN TURKEY



ISO 9001 QUALITY ASSURANCE

CE

PROSTHETIC PARTS FOR CHILDREN

PR01.C1
PR01.C2

Dynamic Foot for Children

Dynamic foot for children improved to meet the needs of young prosthetic limb users. It has been designed to be used in modular and exoskeletal prostheses.



Sample Order Code

Main Code				Serie	Color	Size		Side
P	R	0	1	C	1	1	8	L
P	R	0	1	C	2	1	8	L

Key Data	
Mobility Degree	1, 2
Heel Height	10 mm
Max. Load	55 kgs
Sides	Left - Right
Material	PU Material





The functional properties are achieved through the proven combination of a contoured core and functional foam. The foot distinguishes itself mainly through a comfortable heel impact and easier rollover than the SACH foot. It provides comfortable and pleasant walking for prosthetic limb users thanks to its heel flexibility and energy stocking characteristics.

The Dynamic Foot has a natural shape with a smooth surface and a split-toe design.

It has proven combination of contoured core and functional foam.

Size 14 and 15 for children are without toes.



Detailed Info								
Serie	PR01.C1 - Dynamic Foot for Children			PR01.C2 - Dynamic Foot for Children (brown)				
Mobility Grade	1, 2							
Heel Height	10 mm							
Side	Left (L), Right (R)							
Size (cm)	14	15	16	17	18	19	20	21
System Height	44 mm	46 mm	48 mm	50 mm	52 mm	54 mm	56 mm	58 mm
Weight (~)	110 g	130 g	150 g	170 g	190 g	220 g	250 g	280 g
Max Body Weight	55 kgs							
Color	Beige (PR01.C1) / Dark Brown (PR01.C2)*							

* The product has minimum order quantity is required.
Please contact our customer representatives before ordering.

ISO 9001 QUALITY ASSURANCE

CE

Declaration of Compliance

As Proted Prosthetics-Orthotics and Rehabilitation Co. Ltd.; we hereby declare that our products are in compliance with 93/42/EEC EU Medical Devices Directive and we have been applying TS EN ISO 9001:2001 Quality Management System in our processes.

Scan

PR01.C1 | Dynamic Foot for Children



- 10mm heel height
- High-Quality PU Material
- M Grade 1, 2
- Simple integration
- Lightweight
- Shock absorption
- 2 years warranty



Accessories



PR02.A1.015 - PR02.A1.020

Shaped Ankle Part

Shaped ankle part to be used together with PR01.C1 and PR02.AV

Code	Size Range
PR02.A1.015	14-17 cm
PR02.A1.020	18-21 cm



PR02.AV.M08

Screw Connection

Screw Connection to be used together with PR02.A1

Code	Bolt Diameter
PR02.AV.M08	M08

PR05.S3.M08
PR05.S3.T08
PR05.S3.A08

Sach Foot Adapter for Children





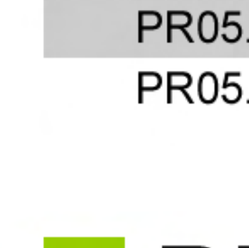
Foot adapter with screw connection suitable for connecting lower extremity prosthetic parts (PR02.S3) and Sach foot (PR01.C1)

Product Code	Weight	Material	Max. Body Weight
PR05.S3.M08	~ 75 gr	S. Steel	65 kgs
PR05.S3.T08	~ 59 gr	Titanium	65 kgs
PR05.S3.A08	~ 70 gr	Aluminium	55 kgs

PR03.TC.122 [1]
PR03.TC.A22 [2]

Adapter Tubes for Children

Adapter tubes for children designed to be used together with PR02.S3.M08 and can be applied in transfemoral and transtibial prostheses in both above and below knee applications.





Product Code	Diameter	Weight	Length	Angle	Material	Max. Load
PR03.TC.122	22 mm	~128 gr	360 mm	-	A. Aluminium	55 kgs
PR03.TC.A22	22 mm	~130 gr	362 mm	10 °	A. Aluminium	55 kgs

PR03.YC.001

Tube Clamp Adapter for Children

Tube clamp adapter, used as lower extremity prosthetic part for children and as a tube connection adapter.





Product Code	Diameter	Weight	Height	Material	Max. Load
PR03.YC.001	22 mm	~50 gr	40 mm	A. Aluminium	55 kgs

PR05.SC.100

Fixed Lamination Anchor

Fixed Lamination Anchor for children suitable to connect parts in lower extremity prostheses.



Sample Order Code

Main Code				Serie		Size		
P	R	0	5	S	C	1	0	0



Product Code	Weight	Material	Max. Load
PR05.SC.100	~60 gr	Stainless Steel	65 kgs

PR05.DD.C10

Rotatable Lamination Anchor

Rotatable lamination anchor with pyramid receiver. Suitable for lower extremity modular prostheses and allows inwards/outwards rotation.



Sample Order Code

Main Code				Serie		Size		
P	R	0	5	D	D	C	1	0



Rotatable

Product Code	Weight	Material	Max. Load
PR05.DD.C10	~156 gr	Stainless Steel	65 kgs

PR05.DE.C10

Rotatable Lamination Anchor

Rotatable lamination anchor with pyramid. Suitable for lower extremity modular prostheses. Allows inwards/outwards rotation.



Sample Order Code

Main Code				Serie		Size		
P	R	0	5	D	E	C	1	0



Rotatable

Product Code	Weight	Material	Max. Load
PR05.DE.C10	~150 gr	Alloyed Aluminium	65 kgs

PR06.FD.C01
PR06.FD.CS1
BK Cosmetic Foam for Children

Below Knee cosmetic foam for children, suitable to use on below knee prostheses. Features a hole (diameter: 22 mm) and can be used on both right and left side.

Sample Order Code

Main Code				Serie		Color		
P	R	0	6	F	D	C	0	1
P	R	0	6	F	D	C	S	1





Product Code	Length	Diameter	Material	Color
PR06.FD.C01	40 cm	22 mm	PU Foam	Beige
PR06.FD.CS1	40 cm	22 mm	PU Foam	Dark Brown

Prosthetic Parts for Children

PR06.DC.00L-R [1]
PR06.DC.0SL-R
PR06.CO.00L-R [2]
PR06.CO.0SL-R
AK Cosmetic Foam Cover for Children

Above Knee cosmetic foam for children, suitable to use on above knee prostheses. Features a hole (diameter: 22 mm).

Side

Sample Order Code

Main Code				Serie		Color		
P	R	0	6	D	C	0	0	L
P	R	0	6	D	C	0	S	L





Product Code	Length	Diameter	Side	Material	Color
PR06.DC.00L / R	70 cm	22 mm	L / R	PU Foam	Beige
PR06.DC.0SL / R	70 cm	22 mm	L / R	PU Foam	Dark Brown
PR06.CO.00L / R	70 cm	22 mm	L / R	PU Foam	Beige
PR06.CO.0SL / R	70 cm	22 mm	L / R	PU Foam	Dark Brown

PR04.AS.C00

Modular Single Axis Knee Joint for Children

Monocentric knee joint with integrated extension assist. Flexion and extension can be adjusted.





Double Arm System

Key Data	
Mobility Degree	2
Proximal Connection	Pyramid Adapter
Distal Connection	Tube Clamp
Knee Flexion Angle	140°
Weight	~240 gr
System Height	42 mm
Material	Alloyed Aluminium
Maximum Body Weight	55 kgs



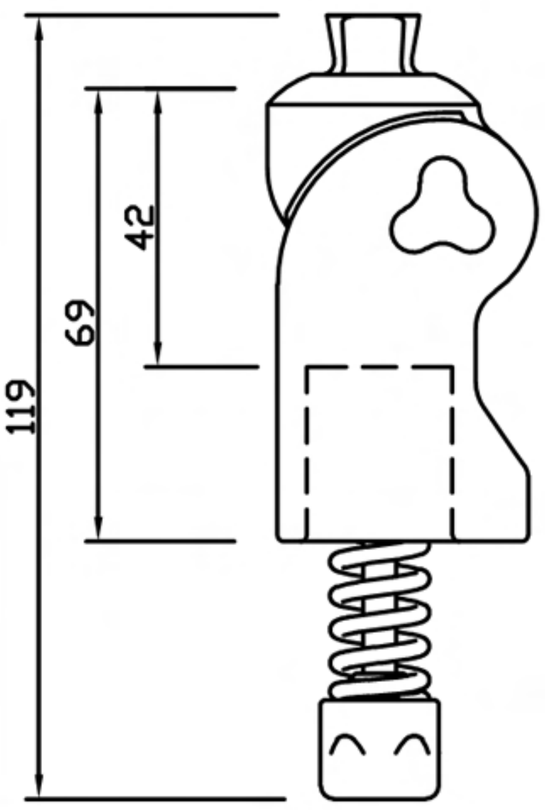
Indications:

- Integrated extension assist
- During rehabilitation or mobility classes 2
- Maximum body weight 55 kg

Properties:

- Knee flexion angle up to 140°
- Adjustable flexion and extension

Technical Specs



Overall fitted height:
approx. 119 mm

Effective fitted height:
approx. 69 mm

System height:
approx. 42 mm

Prosthetic Parts for Children

PR04.AK.C00

Single Axis Knee Joint for Children



Key Data	
Mobility Degree	1
Proximal Connection	Pyramid Adapter
Distal Connection	Tube Clamp
Knee Flexion Angle	140º
Weight	~225 gr
System Height	42 mm
Material	Alloyed Aluminium
Maximum Body Weight	55 kgs



Prosthetic Parts for Children

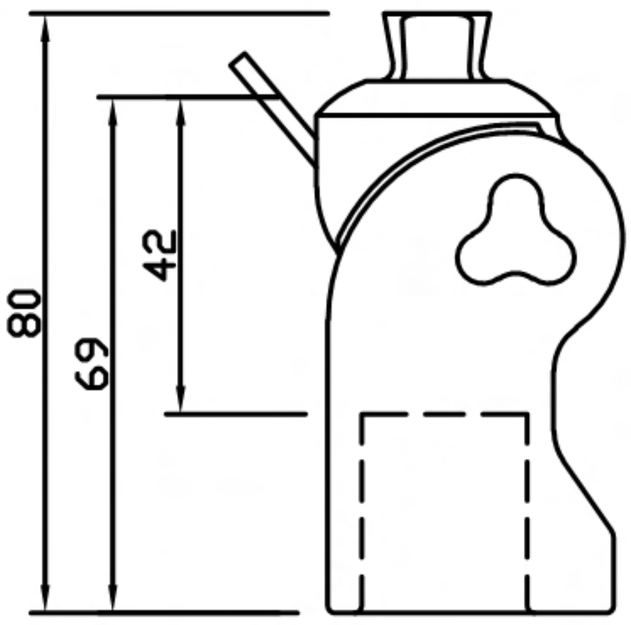
Indications:

- Integrated extension assist
- During rehabilitation or mobility classes 1
- Maximum body weight 55 kg

Properties:

- Knee flexion angle up to 140°

Technical Specs



Overall fitted height:
approx. 80 mm

Effective fitted height:
approx. 69 mm

System height:
approx. 42 mm

Ordering Information:

Carbon Foot Systems

Product Code

Product Name

PR01.K2
Doha Carbon Foot

Both at home and outdoor... Doha Carbon Foot is the best choice with its flexible design. Its divided carbon spring design provides excellent stability and safe ground contact. Recommended for prosthetic users with mobility grade 3 and 4.

Key Data	
Mobility Degree	3, 4
Heel Height	10 mm
Sides	Left - Right
Material	Carbon Fiber

Its constructed sole plate and upper attachment point make the product suitable for very active and heavy patients.

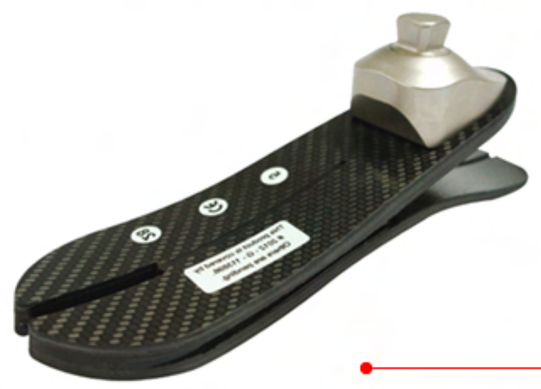
Sample Order Code

Sample Order Code

Main Code				Serie		Size		Side
P	R	0	1	K	2	2	5	L

*Removable foot shell is included.

Notice



Product Illustration

Product Group



Doha Carbon Foot is especially recommended for above, below knee and hip amputation patients who are very active and over 100 kgs.

Due to its design, DOHA offers many advantages for daily use for the users with Mobility degree 2 and 3. Nothing stands in the way of sporting activities such as tennis, which subjects the user to greater impact stress. The DOHA also allows for comfortable and energy-saving walking during the daily challenges at work and at home.

DOHA's innovative heel design enables the users to perform daily activities with less energy consumption by storing the energy expended during activities and this reduces foot fatique compared with conventional designs.

Brief Description

Order Code:

Select the desired product and determine the article number. It consists of the reference number plus additional parameters such as body side, size, material and colour. The order examples on the respective catalogue pages show how the article number can be determined quickly and easily.

Order example:

Reference Number . Serie / Size . Side

PR01 K2 24 R

Detailed Info									
Series	PR01.K2 - Doha								
Mobility Grade	3, 4								
Heel Height	10 mm								
Side	Left (L), Right (R)								
Size (cm)	22	23	24	25	26	27	28	29	30
Max Body Weight	80 kgs			110 kgs			125 kgs		

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Prosthetics & Orthotics

MADE IN TURKEY





ISO 9001 QUALITY ASSURANCE

CE

UPPER EXTREMITY PROSTHETIC PARTS

MECHANIC & PASSIVE HANDS

PR40.HE
Mechanical Hand

The mechanical hand is produced to be used in the situation of a lack of a hand and to fullfil the task of human hand.

It is capable of flywheel opening and closing moves. The product is manufacturedunder CE and ISO standards and in different shapes, quantities and with different materials such as active and passive parts.

Key Data	Side	Hand Radius	Weight	Diameter
PR40.HE.55	L / R	7 ¾	320 gr	55 mm
PR40.HE.50	L / R	7 ¼	273 gr	50 mm
PR40.HE.45	L / R	6 ¾	220 gr	45 mm
Color			Beige	

Sample Order Code

Main Code				Serie		Size		Side
P	R	4	0	H	E	5	5	R



PR40.PE
Passive Hand

The passive hand is produced to be used in the situation of a lack of a hand and to fullfil the task of human hand.

It is capable of flywheel opening and closing moves. The product is manufactured under CE and ISO standards and in different shapes, quantities with different materials such as active and passive parts.

Key Data	Side	Hand Radius	Weight	Diameter
PR40.PE.55	L / R	7 ¾	260 gr	55 mm
PR40.PE.50	L / R	7 ¼	230 gr	50 mm
PR40.PE.45	L / R	6 ¾	202 gr	45 mm
Color			Beige	

Sample Order Code

Main Code				Serie		Size		Side
P	R	4	0	P	E	5	5	R



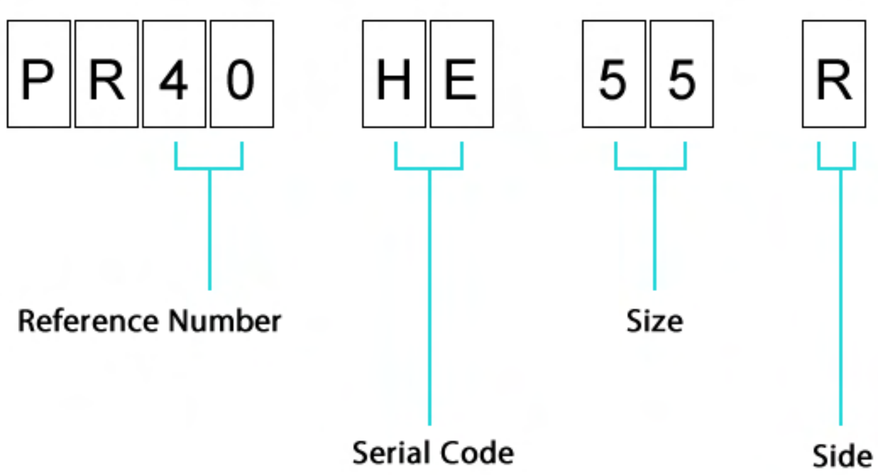


Mechanic & Passive Hands | Overview

	MECHANICAL HAND		
	PR40.HE.55	PR40.HE.50	PR40.HE.45
Side	L/R	L/R	L/R
Hand Radius	7 ¾	7 ¼	6 ¾
Weight	320 gr	273 gr	220 gr
Diameter	55 mm	50 mm	45 mm
Color	Beige		

	PASSIVE HAND		
	PR40.PE.55	PR40.PE.50	PR40.PE.45
Side	L/R	L/R	L/R
Hand Radius	7 ¾	7 ¼	6 ¾
Weight	260 gr	230 gr	202 gr
Diameter	55 mm	50 mm	45 mm
Color	Beige		

Sample Order Code



General Warranty Information

Warranty and Quality Information

Warranty: 24 month limited warranty.

Proted operates a quality management system that meets the requirements of ISO 13485 and 9001. Products are CE-marked and conform to standards and other normative documents outlined in the EC (CE) Declaration of Conformity.

FOR TECHNICIANS

Implementation and Recommendations

- Prosthetic hands and gloves are used when applying a prosthesis to patients with an amputation.
- Cleaning of hands again before joining operations is recommended when performing prosthesis implementation.
- Maintenance and cleaning of prosthetic hand and gloves have been conducted at Proted's manufacturing facilities.
- Contact with water should be avoided.
- Too heavy loads should not be lifted.
- Use of hand and gloves with Proted products is recommended.
- Opening capacity is 80 mm.
- Force of spring should be avoided so as to prevent breaking of the spring.

Warnings

- It is recommended that all requirements specified under application and recommendations be fully observed.
- Exposure to thermal environments should be kept at a minimum.
- Contact with power sources that can harm human health should be avoided.
- Exposure to direct sunlight should be avoided.
- The product should be kept away from oily environment, chemicals and acidic agents.
- During cleaning, use of chemicals and acidic agents should be avoided.
- It should be kept away from combustible agents and fire.

Maintenance

- Periodic maintenance of the products can be performed by our firm for free of charge. Contacting our firm will be enough for conduct of maintenance.
- Maintenance of products are classified as monthly and annual maintenance.
- The technical support regarding how such maintenance should be made will also be provided those requesting it by our firm.

Responsibility

- The firms executing implementation shall be directly responsible for any problems arising from customized use by the person.
- The firms executing the implementation shall also be responsible for any problems arising from failure to use Proted products in joining applications.

The operation instructions prepared by Proted are revised in respect to compliance with existing technical design. The instructions are for health organizations and implementation centers and should be conveyed to patients. Regarding any products exclusive to person, of which function and/or operation is not clear the health organization shall prepare operation instructions.

ISO 9001 QUALITY ASSURANCE

CE

Declaration of Compliance

As Proted Prosthetics-Orthotics and Rehabilitation Co. Ltd.; we hereby declare that our products are in compliance with 93/42/EEC EU Medical Devices Directive and we have been applying TS EN ISO 9001:2001 Quality Management System in our processes.

Ordering Information:

Mechanic & Passive Hands

Product Code

Product Name

PR40.PE
Passive Hand

Passive hand is produced for using in birth or afterwards lack of hand situations, and to fullfil the task of human hand.

It is capable of flywheel opening and closing moves. The product is manufacturing under CE and ISO standards and in different shapes, quantities with different materials such as active and passive parts.

Key Data	Side	Hand Radius	Weight	Diameter
PR40.PE.55	L / R	7 ¾	260 gr	55 mm
PR40.PE.50	L / R	7 ¼	230 gr	50 mm
PR40.PE.45	L / R	6 ¾	202 gr	45 mm
Color	Beige			

Product Group

Sample Order Code

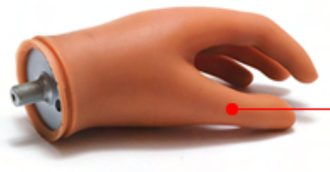
Sample Order Code

Main Code				Serie		Size		Side
P	R	4	0	P	E	5	5	R

Brief Description



Product Illustration



Order Code:

Select the desired product and determine the article number. It consists of the reference number plus additional parameters such as body side, size, material and colour. The order examples on the respective catalogue pages show how the article number can be determined quickly and easily.

Order example:

Reference Number	.	Serie	/	Size	.	Side
PR40		PE		55		R

Key Data	Side	Hand Radius	Weight	Diameter
PR40.PE.55	L / R	7 ¾	260 gr	55 mm
PR40.PE.50	L / R	7 ¼	230 gr	50 mm
PR40.PE.45	L / R	6 ¾	202 gr	45 mm
Color	Beige			

proted

Prosthetics & Orthotics



MADE IN TURKEY



ISO 9001 QUALITY ASSURANCE

CE

UPPER EXTREMITY PROSTHETIC PARTS

HAND COVERS & COSMETIC GLOVES

PR41.EK
Cosmetic Hand Cover

Cosmetic Hand Cover is used with the base of both Active (Mechanic) and Passive Hands.

Key Data	Side	Hand Radius	Diameter
PR41.EK.55	L / R	7 ¾	55 mm
PR41.EK.50	L / R	7 ¼	50 mm
PR41.EK.45	L / R	6 ¾	45 mm
Color	Beige		

Sample Order Code

Main Code				Serie		Size		Side
P	R	4	1	E	K	5	5	R





PR42.KE
Cosmetic Glove **Natural Look*

Cosmetic Glove is produced to be used in the situation of a lack of a hand to achieve a more aestetic look.

Key Data	Side	Hand Radius	Length
PR42.KE.55	L / R	7 ¾	61 cm
PR42.KE.50	L / R	7 ¼	59 cm
PR42.KE.45	L / R	6 ¾	50 cm
Color	Beige		
Material	PVC		

Sample Order Code

Main Code				Serie		Size		Side
P	R	4	2	K	E	5	5	R



PR42.UE
Cosmetic Glove **Plain Look*

Cosmetic Glove is produced to be used in the situation of a lack of a hand to achieve a more aestetic look.

Key Data	Side	Hand Radius	Length
PR42.UE.55	L / R	7 ¾	61 cm
PR42.UE.50	L / R	7 ¼	59 cm
PR42.UE.45	L / R	6 ¾	50 cm
Color	Beige		
Material	PVC		

Sample Order Code

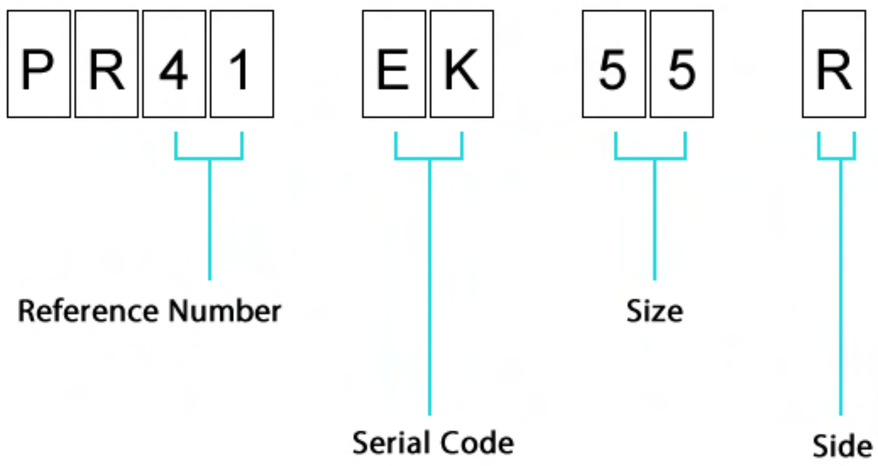
Main Code				Serie		Size		Side
P	R	4	2	U	E	5	5	R



Hand Covers & Cosmetic Gloves | Overview

	 COSMETIC HAND COVER			 COSMETIC GLOVE			 COSMETIC GLOVE		
	PR41.EK.55	PR41.EK.50	PR41.EK.45	PR42.EK.55	PR42.KE.50	PR42.KE.45	PR42.UE.55	PR42.UE.50	PR42.UE.45
Side	L/R	L/R	L/R	L/R	L/R	L/R	L/R	L/R	L/R
Hand Radius	7 ¾	7 ¼	6 ¾	7 ¾	7 ¼	6 ¾	7 ¾	7 ¼	6 ¾
Diameter	55 mm	50 mm	45 mm	-	-	-	-	-	-
Length	-	-	-	61 cm	59 cm	51 cm	61 cm	59 cm	51 cm
Color	Beige			Beige			Beige		

Sample Order Code



General Warranty Information

Warranty and Quality Information

Warranty: 24 month limited warranty.

Proted operates a quality management system that meets the requirements of ISO 13485 and 9001. Products are CE-marked and conform to standards and other normative documents outlined in the EC (CE) Declaration of Conformity.

FOR TECHNICIANS

Implementation and Recommendations

- Cosmetic Gloves are used in place of appearance of hand when implementing prosthesis to patients.
- Use of them as per lenghts and diameters given in table for cover and glove products is recommended.
- Cleaning hands&gloves again is recommended before conduct of joining operations during the prosthetic implementation.
- Maintenance and cleaning of the products have been made by Proted in manufacture facility.
- It is recommended that hands & gloves be used with Proted parts compatible with them.

Warnings

- As with all PVC cosmetic gloves, care should be taken to avoid surface contamination. This will prolong the good looks of
- the prosthesis and extend its life.
- To prevent premature ageing, it is recommended that any surface soiling be removed as soon as possible using a mild detergent, alcohol wipe, appropriate domestic stain remover or nail varnish remover (acetone) being careful not to use, latter on the special nail finish.
- It is recommended that all requirements specified under application and recommendations be fully observed.
- The product should not be exposed to thermal environment (too hot or cold, moisture, ventilation) as much as possible.
- Contact of the product with power sources harming human health should be avoided.
- The product should not be exposed to direct sunlight for long time.
- The product should be kept away from oily environment, chemicals and acidic agents.
- Also during cleaning, use of chemicals and acidic agents should be avoided.
- It should be kept away from combustible agents and fire.

Maintenance

- Periodic maintenance of the products can be performed by our firm for free of charge. Contacting our firm will be enough for conduct of maintenance.
- Maintenance of products are classified as monthly and annual maintenance.
- The technical support regarding how such maintenance should be made will also be provided those requesting it by our firm.
- It is recommended that the prosthesis when not being worn, be stored in a clear polyethylene bag and placed in a cool location. Always store flat, do not store folded.
- Do not wrap the prosthesis in tissue or other absorbent material during extended storage.

Responsibility

- The firms executing implementation shall be directly responsible for any problems arising from customized use by the person.
- The firms executng the implementation shall also be responsible for any problems arising from failure to use Proted products in joining applications.

The operation instructions prepared by Proted are revised in respect to compliance with existing technical design. The instructions are for health organizations and implementation centers and should be conveyed to patients. Regarding any products exclusive to person, of which function and/or operation is not clear the health organization shall prepare operation instructions.

Declaration of Compliance

As Proted Prosthetics-Orthotics and Rehabilitation Co. Ltd,; we hereby declare that our products are in compliance with 93/42/EEC EU Medical Devices Directive and we have been applying TS EN ISO 9001:2001 Quality Maangement System in our processes.

Ordering Information:

Product Code

Product Name

Sample Order Code

PR42.KE
Cosmetic Glove *Natural Look

Cosmetic Glove is produced for using in birth or afterwards lack of hand situations to achieve more esthetic look.

Sample Order Code

Main Code				Serie		Size		Side
P	R	4	2	K	E	5	5	R

Key Data	Side	Hand Radius	Length
PR42.KE.55	L / R	7 ¾	61 cm
PR42.KE.50	L / R	7 ¼	59 cm
PR42.KE.45	L / R	6 ¾	50 cm
Color	Beige		
Material	PVC		



Product Illustration

Product Group

Hand Covers & Cosmetic Gloves

PR42.UE
Cosmetic Glove *Plain Look

Cosmetic Glove is produced for using in birth or afterwards lack of hand situations to achieve more esthetic look.

Sample Order Code

Main Code				Serie		Size		Side
P	R	4	2	U	E	5	5	R

Key Data	Side	Hand Radius	Length
PR42.UE.55	L / R	7 ¾	61 cm
PR42.UE.50	L / R	7 ¼	59 cm
PR42.UE.45	L / R	6 ¾	50 cm
Color	Beige		
Material	PVC		



Order Code:

Select the desired product and determine the article number. It consists of the reference number plus additional parameters such as body side, size, material and colour. The order examples on the respective catalogue pages show how the article number can be determined quickly and easily.

Order example:

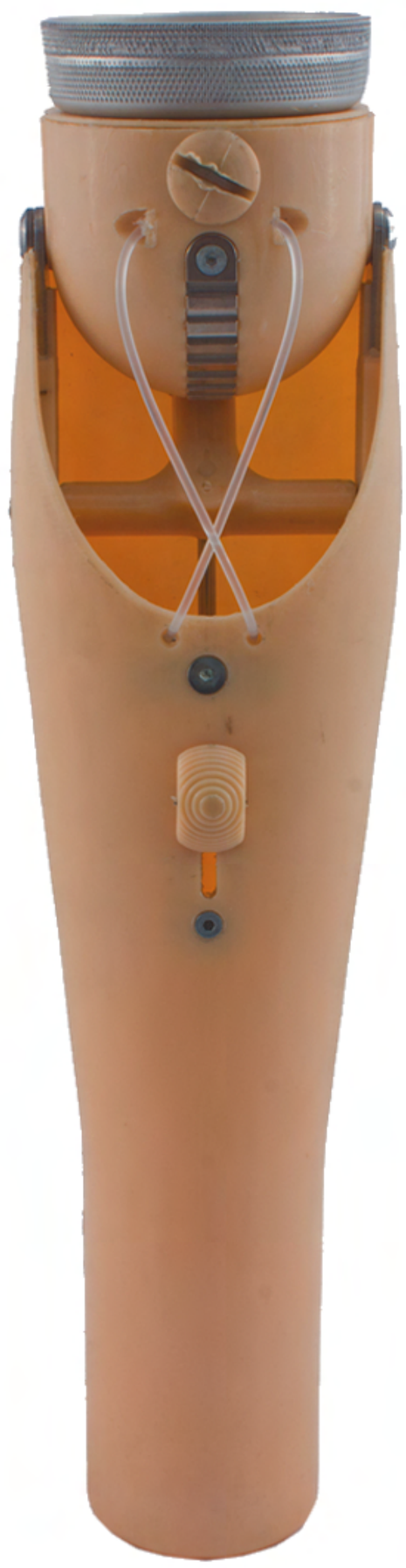
Reference Number	.	Serie	/	Size	.	Side
PR42		UE		55		R

Key Data	Side	Hand Radius	Length
PR42.UE.55	L / R	7 ¾	61 cm
PR42.UE.50	L / R	7 ¼	59 cm
PR42.UE.45	L / R	6 ¾	50 cm
Color	Beige		
Material	PVC		

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Prosthetics & Orthotics





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ISO 9001 QUALITY ASSURANCE

CE

UPPER EXTREMITY PROSTHETIC PARTS

ELBOW JOINTS

PR44.DE.100
Automatic Elbow Joint

Automatic Elbow joint used for upper extremity mechanical prostheses. Features a mechanical elbow joint lock system that allows it to lock in all angles.

Key Data	
Using Range	Left / Right
Adapter Diameter	54 mm
Flexion Angle	120 °
Material	Alloyed Aluminium

Sample Order Code

Main Code				Serie		Size		
P	R	4	4	D	E	1	0	0



PR44.DE.M01
PR44.DE.M02
Manual Elbow Joint

Manual Elbow Joint with an anatomically shaped underarm for upper extremity mechanical prosthetic applications. The integrated locking system allows the joint to lock in 12 different positions.

Key Data	PR44.DE.M01	PR44.DE.M02
Using Range	Left / Right	Left / Right
Adapter Diameter	54 mm	50 mm
Flexion Angle	120 °	120 °
Material	Plastic - Aluminium	

Sample Order Code

Main Code				Serie		Size		Side
P	R	4	4	D	E	M	0	1



PR46.MK.D1 R/L
Modular Elbow Joint

Modular Elbow Joint made of alloyed aluminium for upper extremity mechanical prosthetic applications.

Sample Order Code

Main Code				Serie		Size		Side
P	R	4	6	M	K	D	1	R

Key Data	Side	Flexion Angle	Material	Weight
PR46.MK.D1	L / R	135 °	Aluminium	~291 gr



Elbow Joints

PR46.MK.D2

Modular Elbow Joint

MK.D2 is manufactured for using in arm prosthesis of above elbow and shoulder amputations to perform the function of the human elbow, thereby enabling the patient to work manually.

Sample Order Code

Main Code				Serie		Type		Side
P	R	4	6	M	K	D	2	R

Key Data	
Using Range	Left / Right
Flexion Angle	135 °
Material	Alloyed Aluminium



PR46.MK.D4

Modular Elbow Joint

MK.D4 has 7 locking positions used in upper extremity AE prostheses.

Sample Order Code

Main Code				Serie		Type		Side
P	R	4	6	M	K	D	4	R

Key Data	
Using Range	Left / Right
Flexion Angle	135 °
Material	Alloyed Aluminium



FOR TECHNICIANS

Implementation and Recommendations

- Elbow joints are used when applying prosthesis to patients with amputation.
- Cleaning of elbow joints again before joining operations is recommended when performing prosthesis implementation.
- Maintenance and cleaning of elbow joints have been conducted at Proted manufacturing facility.
- Contact with water should be avoided.
- Too heavy loads should not be lifted.
- Using of elbow joint with wrist unit and the other suitable products of Proted is recommended.
- Force of spring should be avoided so as to prevent breaking of the spring.
- It is required putting the openin lever to its bearing.
- Lamination adapter is not used in the applying of the elbow joint coded PR46=4.

Milimetric adjustable function of the adapters and compliance with rotational movements also provides advantages for users and implementers.

Warnings

- It is recommended that all requirements specified under application and recommendations be fully observed.
- Exposure to thermal environment (too hot or cold temperatures, moisture, ventilation) should be kept at a minimum.
- Contact of the product with power sources harming human health should be avoided.
- Exposure to direct sunlight should be avoided.
- The product should be kept away from oily environment, chemicals and acidic agents.
- During cleaning, use of chemicals and acidic agents should be avoided.
- It should be kept away from combustible agents and fire.

Maintenance

- Periodic maintenance of the products can be performed by our firm for free of charge. Contacting our firm will be enough for conduct of maintenance.
- Maintenance of products are classified as monthly and annual maintenance.
- The technical support regarding how such maintenance should be made will also be provided those requesting it by our firm.

Responsibility

- The firms executing implementation shall be directly responsible for any problems arising from customized use by the person.
- The firms executing the implementation shall also be responsible for any problems arising from failure to use Proted products in joining applications.

The operation instructions prepared by Proted are revised in respect to compliance with existing technical design. The instructions are for health organizations and implementation centers and should be conveyed to patients. Regarding any products exclusive to person, of which function and/or operation is not clear the health organization shall prepare operation instructions.

ISO 9001 QUALITY ASSURANCE

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Declaration of Compliance

As Proted Prosthetics-Orthotics and Rehabilitation Co. Ltd.; we hereby declare that our products are in compliance with 93/42/EEC EU Medical Devices Directive and we have been applying TS EN ISO 9001:2001 Quality Management System in our processes.

Ordering Information:

Product Code

Product Name

PR44.DE.M01
PR44.DE.M02
Manual Elbow Joint

Manual Elbow Joint with an anatomically shaped underarm for upper extremity mechanical prosthetic applications. The integrated locking system allows the joint to lock in 12 different positions.

Sample Order Code

Sample Order Code

Main Code				Serie		Size		Side
P	R	4	4	D	E	M	0	1

Key Data	PR44.DE.M01	PR44.DE.M02
Using Range	Left / Right	Left / Right
Adapter Diameter	54 mm	50 mm
Flexion Angle	120 °	120 °
Material	Plastic - Aluminium	



Product Illustration

Elbow Joints

Product Group

PR46.MK.D1 R/L
Modular Elbow Joint

Modular Elbow Joint made of alloyed aluminium for upper extremity mechanical prosthetic applications.

Sample Order Code

Main Code				Serie		Size		Side
P	R	4	6	M	K	D	1	R

Key Data	Side	Flexion Angle	Material	Weight
PR46.MK.D1	L / R	135 °	Aluminium	~291 gr



Order Code:

Select the desired product and determine the article number. It consists of the reference number plus additional parameters such as body side, size, material and colour. The order examples on the respective catalogue pages show how the article number can be determined quickly and easily.

Order example:

Reference Number	.	Serie	.	Size
PR44		DE		M01

Key Data	PR44.DE.M01	PR44.DE.M02
Using Range	Left / Right	Left / Right
Adapter Diameter	54 mm	50 mm
Flexion Angle	120 °	120 °
Material	Plastic - Aluminium	

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Prosthetics & Orthotics









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PROSTHETIC PARTS
UPPER EXTREMITY

PR43.55 / 50 / 45
Wrist Unit

Wrist units for modular upper extremity prostheses.

Key Data	Diameter	Weight
PR43.55	55 mm	291 gr
PR43.50	50 mm	285 gr
PR43.45	45 mm	279 gr

Sample Order Code

Main Code				Size	
P	R	4	3	5	5



PR45.BL.M12
Wrist Adapter

Wrist adapter for modular upper extremity prostheses.

Key Data	Internal Thread	Material
PR45.BL.M12	M12 x 1,5 mm	Alloyed Aluminium

Sample Order Code

Main Code				Serie		Type		
P	R	4	5	B	L	M	1	2



PR47.01
Shoulder Joint

Shoulder Joint for upper extremity prostheses.

Key Data	Material
PR47.01	Alloyed Aluminium

Sample Order Code

Main Code				Serie	
P	R	4	7	0	1



PR46.A0
Lamination Adapter

Lamination Adapter for upper extremity prostheses.

Key Data	Material
PR46.A0	Alloyed Aluminium

Sample Order Code

Main Code				Serie	
P	R	4	6	A	0



PR06.F1.300 (1)
PR06.F2.300 (2)
Above Elbow Cosmetic Foam

Cosmetic Foam for upper extremity prostheses.

Key Data	Material
PR06.F1.300	PU Foam
PR06.F2.300	PU Foam

Sample Order Code

Main Code				Serie		Type		
P	R	0	6	F	1	3	0	0



Upper Extremity Prosthetic Parts

Ordering Information:

Product Code

Product Name

Sample Order Code

PR47.01
Shoulder Joint

Shoulder Joint for upper extremity prostheses.

Key Data	Material
PR47.01	Alloyed Aluminium

Sample Order Code

Main Code: P R 4 7 | Serie: 0 1



PR46.A1
Lamination Adapter

Lamination Adapter for upper extremity prostheses.

Key Data	Material
PR46.A1	Alloyed Aluminium

Sample Order Code

Main Code: P R 4 6 | Serie: A 1



Product Illustration

Upper Extremity Prosthetic Parts

Product Group

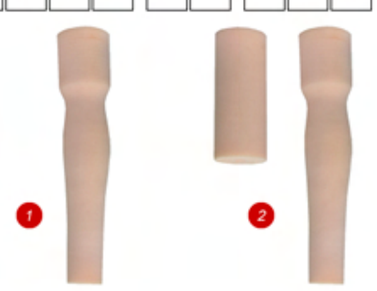
PR06.F1.300 [1]
PR06.F2.300 [2]
Above Elbow Cosmetic Foam

Cosmetic Foam for upper extremity prostheses.

Key Data	Material
PR06.F1.300	PU Foam
PR06.F2.300	PU Foam

Sample Order Code

Main Code: P R 0 6 | Serie: F 1 | Type: 3 0 0



Order Code:

Select the desired product and determine the article number. It consists of the reference number plus additional parameters such as body side, size, material and colour. The order examples on the respective catalogue pages show how the article number can be determined quickly and easily.

Order example:

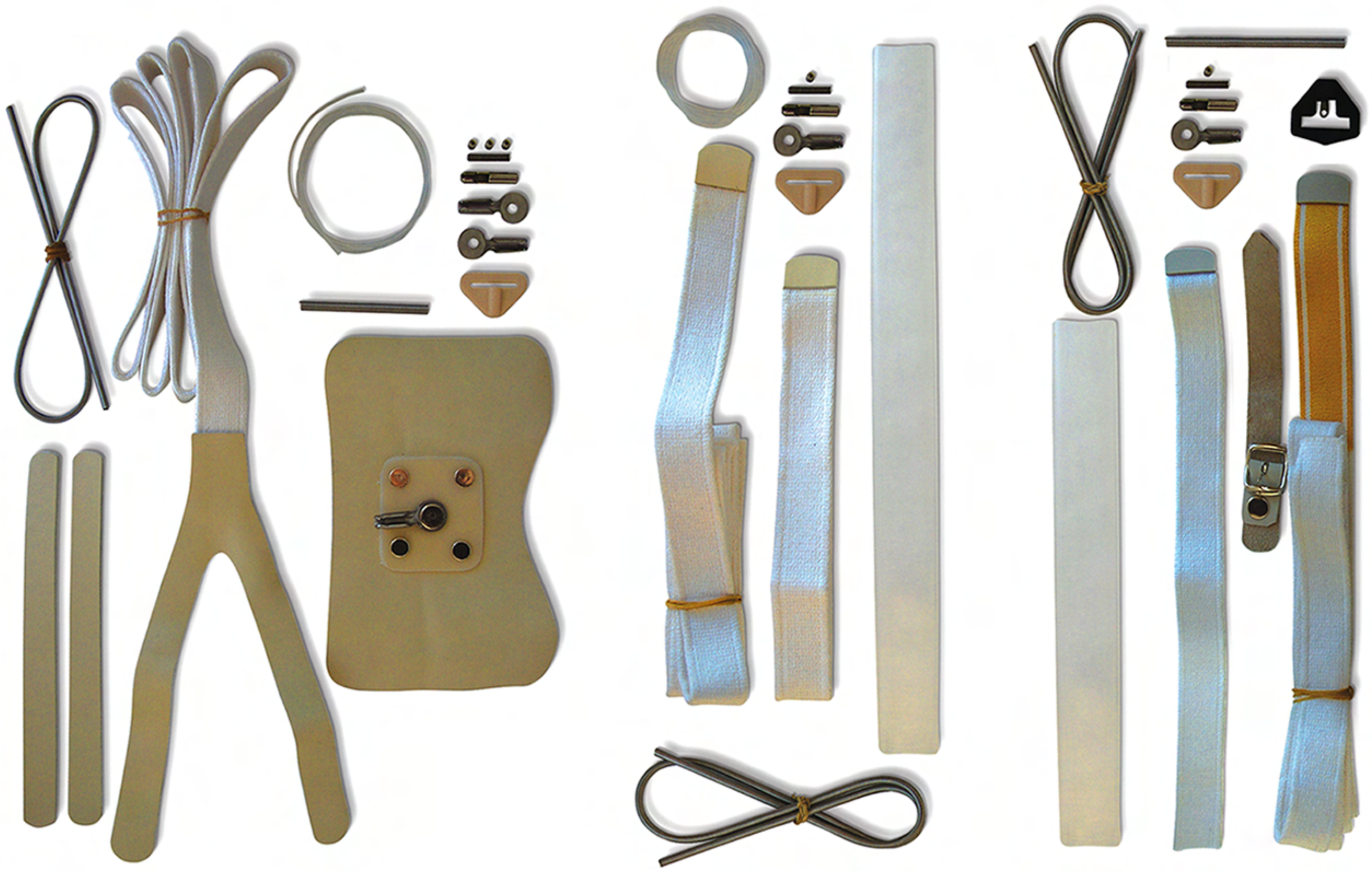
Reference Number	.	Serie	.	Size
PR06		F1		300

Key Data	Material
PR06.F1.300	PU Foam
PR06.F2.300	PU Foam

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UPPER EXTREMITY PROSTHETIC PARTS

HARNESS SYSTEMS

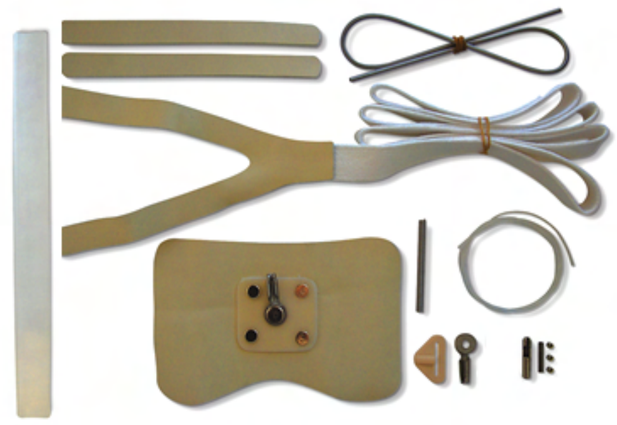
PR08.HD.300
Below Elbow Harness

Sample Order Code

Main Code				Serie		Type		
P	R	0	8	H	D	3	0	0

Parts included in PR08.HD.300	
Codes	Parts
PR08.KP	Axillary Protector
PR08.KN	Non-Elastic Webbing
PR08.YY	Cable Housing
PR08.YG	Eyelet Cable Anchor
PR08.KT	Plastic Hanger
PR08.BP	Coupling Unit
PR08.KV	Threaded Sleeve
PR08.MN.MSN	Perlon Cable

- Fabricated with high grade dacron web tape
- Stainless steel anchor ring prevents binding or bunching
- 4-bar buckles, axilla loop, “Y”-strap and anterior suspension
- Furnished ready to fit



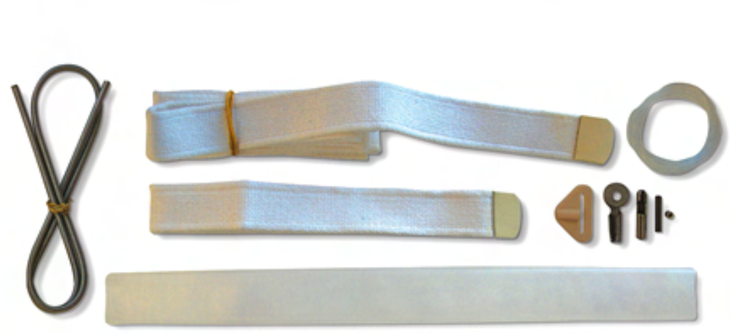
PR08.HM.200
Above Elbow Harness

Sample Order Code

Main Code				Serie		Type		
P	R	0	8	H	M	2	0	0

Parts included in PR08.HM.200	
Codes	Parts
PR08.KP	Axillary Protector
PR08.KN	Non-Elastic Webbing
PR08.YY	Cable Housing
PR08.YG	Eyelet Cable Anchor
PR08.KT	Plastic Hanger
PR08.BP	Coupling Unit
PR08.KV	Threaded Sleeve
PR08.MN.MSN	Perlon Cable

- Fabricated with high grade dacron web tape
- Stainless steel anchor ring prevents binding or bunching
- Furnished ready to fit



PR08.HB.100
Above Elbow Harness for Automatic Elbow Joints

Sample Order Code

Main Code				Serie		Type		
P	R	0	8	H	B	1	0	0

Parts included in PR08.HB.100	
Codes	Parts
PR08.KP	Axillary Protector
PR08.KE	Webbing
PR08.YY	Cable Housing
PR08.YG	Eyelet Cable Anchor
PR08.KT	Plastic Hanger
PR08.BP	Coupling Unit
PR08.KV	Threaded Sleeve

- Fabricated with high grade dacron web tape
- Stainless steel anchor ring prevents binding or bunching
- Furnished ready to fit



PR08.KN
Non-Elastic Webbing

Key Data	
Using Area	Harness Systems

Sample Order Code

Main Code				Serie	
P	R	0	8	K	N



PR08.YY
Cable Housing

Key Data	
Using Area	Harness Systems

Sample Order Code

Main Code				Serie	
P	R	0	8	Y	Y



PR08.YG
Eyelet Cable Anchor

Key Data	
Using Area	Harness Systems

Sample Order Code

Main Code				Serie	
P	R	0	8	Y	G



PR08.BP
Coupling Unit

Key Data	
Using Area	Harness Systems

Sample Order Code

Main Code				Serie	
P	R	0	8	B	P



PR08.KV
Threaded Sleeve

Key Data	
Using Area	Harness Systems

Sample Order Code

Main Code				Serie	
P	R	0	8	K	V

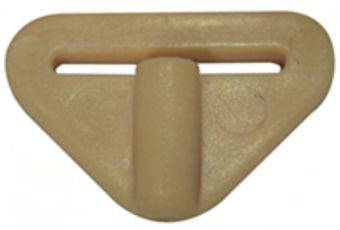


PR08.KT
Plastic Hanger

Key Data	
Using Area	Harness Systems

Sample Order Code

Main Code				Serie	
P	R	0	8	K	T



PR08.KK
Clamp Sleeve

Key Data	
Using Area	Harness Systems
Material	Alloyed Aluminium

Sample Order Code

Main Code				Serie	
P	R	0	8	K	K



PR08.MSN
Perlon Cable

Key Data	
Using Area	Harness Systems

Sample Order Code

Main Code				Serie	
P	R	0	8	M	N



PR08.KP
Axillary Protector

Key Data	
Using Area	Harness Systems

Sample Order Code

Main Code				Serie	
P	R	0	8	K	P



PR08.KM
Lock Control Handle for Knee Joints

Key Data	
Using Area	Knee Joints

Sample Order Code

Main Code				Serie	
P	R	0	8	K	M



Ordering Information:

Product Code

Product Name

PR08.HM.200
Above Elbow Harness

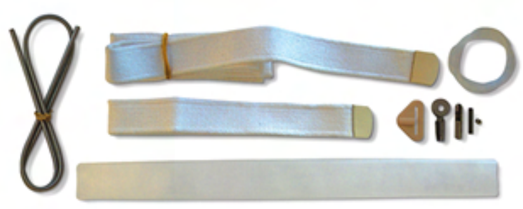
Sample Order Code

Sample Order Code

Main Code				Serie		Type		
P	R	0	8	H	M	2	0	0

Parts included in PR08.HM.200	
Codes	Parts
PR08.KP	Axillary Protector
PR08.KN	Non-Elastic Webbing
PR08.YY	Cable Housing
PR08.YG	Eyelet Cable Anchor
PR08.KT	Plastic Hanger
PR08.BP	Coupling Unit
PR08.KV	Threaded Sleeve
PR08.MN.MSN	Perlon Cable

- Fabricated with high grade dacron web tape
- Stainless steel anchor ring prevents binding or bunching
- Furnished ready to fit



Product Illustration

Harness Systems

Product Group

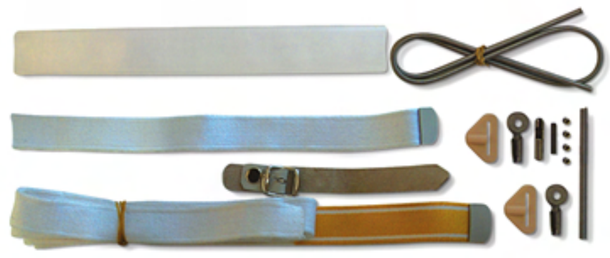
PR08.HB.100
Above Elbow Harness for Automatic Elbow Joints

Sample Order Code

Main Code				Serie		Type		
P	R	0	8	H	B	1	0	0

Parts included in PR08.HB.100	
Codes	Parts
PR08.KP	Axillary Protector
PR08.KE	Webbing
PR08.YY	Cable Housing
PR08.YG	Eyelet Cable Anchor
PR08.KT	Plastic Hanger
PR08.BP	Coupling Unit
PR08.KV	Threaded Sleeve

- Fabricated with high grade dacron web tape
- Stainless steel anchor ring prevents binding or bunching
- Furnished ready to fit



Brief Description

Order Code:

Select the desired product and determine the article number. It consists of the reference number plus additional parameters such as body side, size, material and colour. The order examples on the respective catalogue pages show how the article number can be determined quickly and easily.

Order example:

Reference Number . Serie / Size . Side

PR01 K2 24 R

Detailed Info									
Series	PR01.K2 - Doha								
Mobility Grade	3, 4								
Heel Height	10 mm								
Side	Left (L), Right (R)								
Size (cm)	22	23	24	25	26	27	28	29	30
Max Body Weight	80 kgs			110 kgs			125 kgs		

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Prosthetics & Orthotics

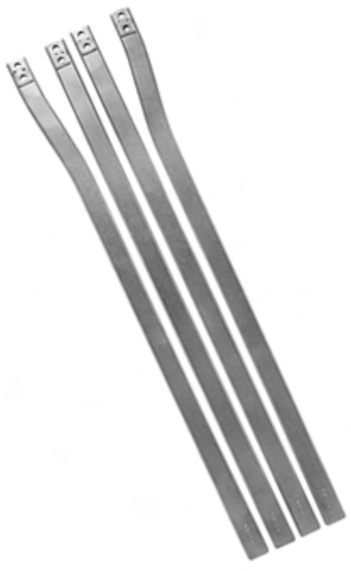
MADE IN TURKEY













ISO 9001 QUALITY ASSURANCE

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ORTHOTICS

PR15.A1.16L
PR15.A1.16R
PR15.A1.20L
PR15.A1.20R

Swiss Type Springy Knee Joint

Straight lateral joint and both up-down side contoured medial joint.

System width is 16 mm & 20 mm.

Sample Order Code

Main Code				Serie		Type		Side
P	R	1	5	A	1	1	6	L



Codes	PR15.A1.16L	PR15.A1.16R	PR15.A1.20L	PR15.A1.20R
Side	Left	Right	Left	Right
System Width	16 mm	16 mm	20 mm	20 mm
Length from Joint Center (Upper/Lower)	57/38 mm	57/38 mm	60/38 mm	60/38 mm

PR15.A1.D16
PR15.A1.D20

Swiss Type Springy Knee Joint

Straight medial and lateral joint.

System width is 16 mm & 20 mm.

Sample Order Code

Main Code				Serie		Type		
P	R	1	5	A	1	D	1	6



Codes	PR15.A1.D16	PR15.A1.D20
System Width	16 mm	20 mm
Length from Joint Center (Upper/Lower)	57/38 mm	60/38 mm

PR15.AD.16L
PR15.AD.16R
PR15.AD.20L
PR15.AD.20R

Swiss Type Springy Knee Joint

Straight lateral joint and down side contoured medial joint.

System width is 16 mm & 20 mm.

Sample Order Code

Main Code				Serie		Type		Side
P	R	1	5	A	D	1	6	L



Codes	PR15.AD.16L	PR15.AD.16R	PR15.AD.20L	PR15.AD.20R
Side	Left	Right	Left	Right
System Width	16 mm	16 mm	20 mm	20 mm
Length from Joint Center (Upper/Lower)	57/38 mm	57/38 mm	60/38 mm	60/38 mm

PR15.D1.16L
PR15.D1.16R
PR15.D1.20L
PR15.D1.20R

Swiss Type Springless Knee Joint

Contoured Medial Joint and Straight Lateral Joint.

System width is 16 mm & 20 mm.

Sample Order Code

Main Code				Serie		Type		Side
P	R	1	5	D	1	1	6	L



Codes	PR15.D1.16L	PR15.D1.16R	PR15.D1.20L	PR15.D1.20R
Side	Left	Right	Left	Right
System Width	16 mm	16 mm	20 mm	20 mm
Length from Joint Center (Upper/Lower)	57/38 mm	57/38 mm	60/38 mm	60/38 mm

PR15.DA.16L
PR15.DA.16R
PR15.DA.20L
PR15.DA.20R

Swiss Type Springless Knee Joint

Straight lateral joint and down side contoured medial joint.

System width is 16 mm & 20 mm.

Sample Order Code

Main Code				Serie		Type		Side
P	R	1	5	D	A	1	6	L



Codes	PR15.DA.16L	PR15.DA.16R	PR15.DA20L	PR15.DA.20R
Side	Left	Right	Left	Right
System Width	16 mm	16 mm	20 mm	20 mm
Length from Joint Center (Upper/Lower)	57/38 mm	57/38 mm	60/38 mm	60/38 mm

PR15.K1.16L
PR15.K1.16R
PR15.K1.20L
PR15.K1.20R

Carbon System Knee Joint

Contoured Medial Joint and Straight Lateral Joint.

System width is 16 mm & 20 mm.

Sample Order Code

Main Code				Serie		Type		Side
P	R	1	5	K	1	1	6	L



Codes	PR15.K1.16L	PR15.K1.16R	PR15.K1.20L	PR15.K1.20R
Side	Left	Right	Left	Right
System Width	16 mm	16 mm	20 mm	20 mm
Length from Joint Center (Upper/Lower)	57/38 mm	57/38 mm	60/38 mm	60/38 mm

PR15.Y1.16L
PR15.Y1.16R
PR15.Y1.20L
PR15.Y1.20R

Ring Lock Knee Joint

Contoured Medial Joint and Straight Lateral Joint.

System width is 16 mm & 20 mm.

Sample Order Code

Main Code				Serie		Type		Side
P	R	1	5	Y	1	1	6	L



Codes	PR15.Y1.16L	PR15.Y1.16R	PR15.Y1.20L	PR15.Y1.20R
Side	Left	Right	Left	Right
System Width	16 mm	16 mm	20 mm	20 mm
Length from Joint Center (Upper/Lower)	57/41 mm	57/41 mm	60/38 mm	60/38 mm

PR15.Y1.D16
PR15.Y1.D20

Ring Lock Knee Joint

Straight Medial and Straight Lateral Joint.

System width is 16 mm & 20 mm.

Sample Order Code

Main Code				Serie		Type		
P	R	1	5	Y	1	D	1	6



Codes	PR15.Y1.D16	PR15.Y1.D20
System Width	16 mm	20 mm
Length from Joint Center (Upper/Lower)	54/41 mm	60/38 mm

PR15.YD.16L
PR15.YD.16R
PR15.YD.20L
PR15.YD.20R

Ring Lock Knee Joint

Straight lateral joint and down side contoured medial joint.

System width is 16 mm & 20 mm.

Sample Order Code

Main Code				Serie		Type		Side
P	R	1	5	Y	D	1	6	L



Codes	PR15.YD.16L	PR15.YD.16R	PR15.YD.20L	PR15.YD.20R
Side	Left	Right	Left	Right
System Width	16 mm	16 mm	20 mm	20 mm
Length from Joint Center (Upper/Lower)	54/41 mm	54/41 mm	60/38 mm	60/38 mm

PR17.A1.016
PR17.A1.020

Ankle Joint

Mechanical ankle joint used in orthotic applications.
Straight lateral and contoured medial joint.

System width is 16 mm & 20 mm.

Sample Order Code

Main Code				Serie		Type		
P	R	1	7	A	1	0	1	6



Codes	PR17.A1.016	PR17.A1.020
System Width	16 mm	20 mm
Head Diameter	21,5 mm	23,5 mm
Bar Thickness	2,5 mm	3,0 mm
Length from Joint Center	40,5 mm	40,5 mm

Orthotics

PR17.A1.D16
PR17.A1.D20

Ankle Joint

Mechanical ankle joint used in orthotic applications.
Straight medial and lateral joint.

System width is 16 mm & 20 mm.

Sample Order Code

Main Code				Serie		Type		
P	R	1	7	A	1	D	1	6



Codes	PR17.A1.D16	PR17.A1.D20
System Width	16 mm	20 mm
Head Diameter	21,5 mm	23,5 mm
Bar Thickness	2,5 mm	3,0 mm
Length from Joint Center	40,5 mm	40,5 mm

PR17.A1.A16
PR17.A1.A20

Ankle Joint

Mechanical ankle joint used in orthotic applications.
Contoured lateral and medial joint.

System width is 16 mm & 20 mm.

Sample Order Code

Main Code				Serie		Type		
P	R	1	7	A	1	A	1	6



Codes	PR17.A1.016	PR17.A1.020
System Width	16 mm	20 mm
Head Diameter	21,5 mm	23,5 mm
Bar Thickness	2,5 mm	3,0 mm
Length from Joint Center	40,5 mm	40,5 mm

PR18.C2.25M
PR18.C2.3MM

Caliper Stirrup

Caliper Stirrup used to ensure connection between ankle and foot in orthotic applications.

Caliper thickness is 2,5 mm & 3 mm.

Sample Order Code

Main Code				Serie		Thickness		
P	R	1	8	C	2	2	5	M



Codes	PR18.C2.25M	PR18.C2.3MM
System Width	16 mm	16 mm
Thickness	2,5 mm	3,0 mm
Length from Joint Center	145 mm	166 mm
Material	Stainless Steel	

PR17.KL.16L
PR17.KL.16R
PR17.KL.20L
PR17.KL.20R

Klenzak Ankle Joint

Springy orthotic ankle joint used in orthotic applications. It also features planter-flexion capability with adjustable compression spring.

Contoured medial joint and straight lateral joint.

System width is 16 mm & 20 mm.

Sample Order Code

Main Code				Serie		Type		Side
P	R	1	7	K	L	1	6	L



Codes	PR17.KL.16L	PR17.KL.16R	PR17.KL.20L	PR17.KL.20R
Side	Left	Right	Left	Right
System Width	16 mm	16 mm	20 mm	20 mm
Head Diameter	26 mm	26 mm	28 mm	28 mm
Bar Thickness	2,5 mm	2,5 mm	3,0 mm	3,0 mm
Head Diameter	57 mm	57 mm	60 mm	60 mm

PR17.KL.D16
PR17.KL.D20

Klenzak Ankle Joint

Mechanical ankle joint used in orthotic applications.
System width is 16 mm & 20 mm.

Sample Order Code

Main Code				Serie		Type		
P	R	1	7	K	L	D	1	6



Codes	PR17.KL.D16	PR17.KL.D20
System Width	16 mm	20 mm
Head Diameter	26 mm	28 mm
Bar Thickness	2,5 mm	3,0 mm
Length from Joint Center	57 mm	60 mm

PR17.KL.A16
PR17.KL.A20

Klenzak Ankle Joint

Contoured medial and lateral joints with adjustable compression spring.

System width is 16 mm & 20 mm.

Sample Order Code

Main Code				Serie		Type		
P	R	1	7	K	L	A	1	6



Codes	PR17.KL.A16	PR17.KL.A20
System Width	16 mm	20 mm
Head Diameter	26 mm	28 mm
Bar Thickness	2,5 mm	3,0 mm
Length from Joint Center	57 mm	60 mm

PR18.KL.25M
PR18.KL.3MM

Klenzak Stirrup

Klenzak Stirrup used to ensure connection between ankle and foot in orthotic applications.

Stirrup thickness is 2,5 mm & 3 mm.

Sample Order Code

Main Code				Serie		Thickness		
P	R	1	8	K	L	2	5	M



Codes	PR18.KL.25M	PR18.KL.3MM
System Width	16 mm	20 mm
Head Diameter	26 mm	28 mm
Bar Thickness	2,5 mm	3,0 mm
Length from Joint Center	57 mm	60 mm

PR18.KS.25M
PR18.KS.3MM

Carbon System Stirrup

Carbon system foot stirrup used to ensure connection between ankle and foot in orthotic applications.

Stirrup thickness is 2,5 mm & 3 mm.

Sample Order Code

Main Code				Serie		Thickness		
P	R	1	8	K	S	2	5	M



Codes	PR18.KS.25M	PR18.KS.3MM
System Width	16 mm	16 mm
Thickness	2,5 mm	3,0 mm
Length from Joint Center	68 mm	68 mm
Material	Stainless Steel	

PR18.C2.35M

Stirrup

Stirrup used for ensuring connection between ankle and foot in orthotic applications.

Stirrup thickness is 3,5 mm.

Sample Order Code

Main Code				Serie		Type		
P	R	1	8	C	2	3	5	M



Codes	PR18.C2.35M
System Width	16 mm
Thickness	3,5 mm
Length	350 mm
Material	Stainless Steel

PR16.C1.016
PR16.C1.020

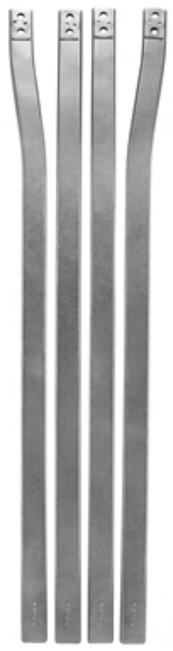
Stainless Steel Lateral Bar

Orthotic lateral bars that provide connection between other parts in orthotic applications. Lower bars are straight, whereas upper bars are contoured.

Stirrup thickness is 2,5 mm & 3 mm.

Sample Order Code

Main Code				Serie		Width		
P	R	1	6	C	1	0	1	6



Codes	PR16.C1.016	PR16.C1.020
System Width	16 mm	20 mm
Thickness	4 mm	4 mm
Length	410-450 mm	
Material	Stainless Steel	

PR16.A1.016
PR16.A1.020

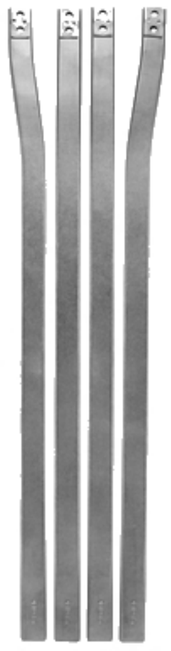
Aluminium Lateral Bar

Orthotic lateral bars that provide connection between other parts in orthotic applications. Lower bars are straight, whereas upper bars are contoured.

Stirrup thickness is 2,5 mm & 3 mm.

Sample Order Code

Main Code				Serie		Width		
P	R	1	6	A	1	0	1	6



Codes	PR16.C1.016	PR16.C1.020
System Width	16 mm	20 mm
Thickness	4 mm	4 mm
Length	410-450 mm	
Material	Aluminium	

PR15.BD.16L
PR15.BD.16R
PR15.BD.20L
PR15.BD.20R

Ring Lock Hip Joint (Straight)

Orthotic straight, manually locked hip joint.

System width is 16 mm & 20 mm.

Sample Order Code

Main Code				Serie		Type		Side
P	R	1	5	B	D	1	6	L



Codes	PR15.BD.16L	PR15.BD.16R	PR15.BD.20L	PR15.BD.20R
Side	Left	Right	Left	Right
System Width	16 mm	16 mm	20 mm	20 mm
Length from Joint Center (Upper/Lower)	54/41 mm	54/41 mm	60/38 mm	60/38 mm

PR15.BA.16L
PR15.BA.16R
PR15.BA.20L
PR15.BA.20R

Ring Lock Hip Joint (Contoured)

Orthotic contoured, manually locked hip joint.

System width is 16 mm & 20 mm.

Sample Order Code

Main Code				Serie		Type		Side
P	R	1	5	B	A	1	6	L



Codes	PR15.BA.16L	PR15.BA.16R	PR15.BA.20L	PR15.BA.20R
Side	Left	Right	Left	Right
System Width	16 mm	16 mm	20 mm	20 mm
Length from Joint Center (Upper/Lower)	54/41 mm	54/41 mm	60/38 mm	60/38 mm

PR18.BK.18L
PR18.BK.18R
PR18.BK.20L
PR18.BK.20R

Ring Lock Hip Joint with Lateral Bar

Orthotic, manually locked ring lock hip joint with lateral bars.

System width is 18 mm & 20 mm.

Sample Order Code

Main Code				Serie		Type		Side
P	R	1	8	B	K	1	8	L



Codes	PR18.BK.18L	PR18.BK.18R	PR18.BK.20L	PR18.BK.20R
Bar Width	18 mm / 4 mm	18 mm / 4 mm	20 mm / 4 mm	20 mm / 4 mm
Side	Left	Right	Left	Right
Bar Length (Upper/Lower)	230 / 130 mm	230 / 130 mm	230 / 130 mm	230 / 130 mm
Material	Stainless Steel			

PR15.K9.012
PR15.K9.016

Contractor Joint w/ Lateral Bar (0-40°)

Adjustable corrective orthotic contractor joint for rigid elbow and knees.

Bar width is 12 mm & 16 mm.

Codes	PR15.K9.012	PR15.K9.016
Bar Width	12 mm	16 mm
Angle Capability	0-40°	0-40°
Material	Stainless Steel	

Sample Order Code

Main Code				Serie		Width		
P	R	1	5	K	9	0	1	2



PR15.K8.012
PR15.K8.016

Contractor Joint w/ Lateral Bar (0-220°)

Adjustable corrective orthotic contractor joint for rigid elbow and knees.

Bar width is 12 mm & 16 mm.

Codes	PR15.K8.012	PR15.K8.016
Bar Width	12 mm	16 mm
Angle Capability	0-220°	0-220°
Material	Stainless Steel	

Sample Order Code

Main Code				Serie		Width		
P	R	1	5	K	8	0	1	2



PR15.K9.020

Contractor Joint w/ Lateral Bar (0-220°)

Adjustable corrective orthotic contractor joint for rigid elbow and knees.

Bar width is 20 mm.

Codes	PR15.K9.020
Bar Width	20 mm
Angle Capability	0-220°
Material	Stainless Steel

Sample Order Code

Main Code				Serie		Width		
P	R	1	5	K	9	0	2	0



PR15.YC.018
PR15.YC.020

Ring Lock Knee Joint w/ Lateral Bars

Orthotic knee joint with ring lock and lateral bars for orthotic applications.

Sample Order Code

Main Code				Serie		Type		
P	R	1	5	Y	C	0	1	8

Codes	PR18.YC.018	PR18.YC.020
Bar Width / Thickness	19 mm / 4 mm	21 mm / 4 mm
Bar Length (Upper/Lower)	317 / 292 mm	317 / 292 mm
Material	Stainless Steel	



PR15.T1.SAG
PR15.T1.SOL

Ring Lock Hip Joint w/ Lateral Bars

Orthotic, manually locked ring lock hip joint with lateral bars for children.

Sample Order Code

Main Code				Serie		Type		
P	R	1	5	T	1	S	A	G

Codes	PR15.T1.SAG	PR15.T1.SOL
Side	RIGHT	LEFT
Bar Width - Thickness	15,5 mm / 3,5 mm	
Bar Length (Upper/Lower)	22,5 mm / 18,5 mm	
Material	Stainless Steel	



PR15.A2.14L
PR15.A2.14R

Ring Lock Hip Joint w/ Lateral Bars

Orthotic knee joint with lateral bars and Swiss lock for children used in orthotic applications.

Sample Order Code

Main Code				Serie		Type		Size
P	R	1	5	A	2	1	4	L

Codes	PR15.A2.14L	PR15.A2.14R
Side	Left	Right
System Width / Thickness	14 mm / 3 mm	
Lenght from Joint Center (Upper/Lower)	29 mm / 43 mm	





Orthotics

PR15.YC.015

Ring Lock Knee Joint w/ Lateral Bar

Orthotic Knee Joint with ring lock and lateral bars for children. Used in orthotic applications.

Sample Order Code

Main Code				Serie		Width		
P	R	1	5	Y	C	0	1	5

Codes	PR15.YC.015
Bar Width - Thickness	14 mm / 3 mm
Bar Length (Upper/Lower)	317 mm / 292 mm
Material	Stainless Steel



PR15.YA.015

Ring Lock Knee Joint w/ Lateral Bar

Orthotic Knee Joint with ring lock and lateral bars for children. Used in orthotic applications.

Sample Order Code

Main Code				Serie		Width		
P	R	1	5	Y	A	0	1	5

Codes	PR15.YA.015
Bar Width - Thickness	14 mm / 3 mm
Bar Length (Upper/Lower)	317 mm / 292 mm
Material	Aluminium



PR17.KL.014

Klenzak Ankle Joint w/ Lateral Bar

Orthotic mechanical ankle joint for children. Its adjustable compression spring ensures stability and secure ankle dorsal flexion and planter flexion.

Sample Order Code

Main Code				Serie		Width		
P	R	1	7	K	L	0	1	4

Codes	PR17.KL.014
Bar Length / Width	220 mm / 12 mm
Stirrup Length	21,5 mm



Orthotics

PR17.CA.115
PR17.C1.15M

Ankle Joint w/ Stirrup Set

Mechanical ankle joint and stirrup set for children used to ensure connection between ankle and foot in orthotic applications.

Sample Order Code

Main Code				Serie		Type		
P	R	1	7	C	A	1	1	5



Codes	PR17.CA.115	PR17.C1.15M
Bar Width / Thickness	16 mm / 2,5 mm	
Bar Length (Upper/Lower)	220 mm	
Stirrup Length	130 mm	
Material	Aluminium	S. Steel

PR17.C2.001

Free Motion Ankle Joint

Free motion mold ankle joint for orthotic applications where thermoplastic technic is used.

Sample Order Code

Main Code				Serie		Type		
P	R	1	7	C	2	0	0	1



Codes	PR17.C2.001
Length	100 mm
Material	Stainless Steel

PR17.T*.00*

PU Mold Ankle Joint

Orthotic ankle joint used in orthotic applications with thermoplastic technic. It also features dorsal flexion and planter flexion capability.

Sample Order Code

Main Code				Color		Type		Size
P	R	1	7	T	B	0	0	1

Blue	Red	Transparent	Green	Yellow	Purple
PR17.TB.00*	PR17.TR.00*	PR17.TO.00*	PR17.TG.00*	PR17.TY.00*	PR17.TP.00*

S	PR17.T*.001
M	PR17.T*.002
L	PR17.T*.003



Orthotics

Ordering Information:

Product Code

Product Name

PR15.BD.16L
PR15.BD.16R
PR15.BD.20L
PR15.BD.20R

Ring Lock Hip Joint (Straight)

Orthotic straight, manually locked hip joint.

System width is 16 mm & 20 mm.

Orthotics

Product Group

Sample Order Code

Sample Order Code

Main Code		Serie		Type		Side
P	R	1 5	B	D	1 6	L



Product Illustration

Codes	PR15.BD.16L	PR15.BD.16R	PR15.BD.20L	PR15.BD.20R
Side	Left	Right	Left	Right
System Width	16 mm	16 mm	20 mm	20 mm
Length from Joint Center (Upper/Lower)	54/41 mm	54/41 mm	60/38 mm	60/38 mm

Order Code:

Select the desired product and determine the article number. It consists of the reference number plus additional parameters such as body side, size, material and colour. The order examples on the respective catalogue pages show how the article number can be determined quickly and easily.

Order example:

Reference Number . Serie / Size . Side

PR01 K2 24 R

Detailed Info									
Series	PR01.K2 - Doha								
Mobility Grade	3, 4								
Heel Height	10 mm								
Side	Left (L), Right (R)								
Size (cm)	22	23	24	25	26	27	28	29	30
Max Body Weight	80 kgs			110 kgs			125 kgs		

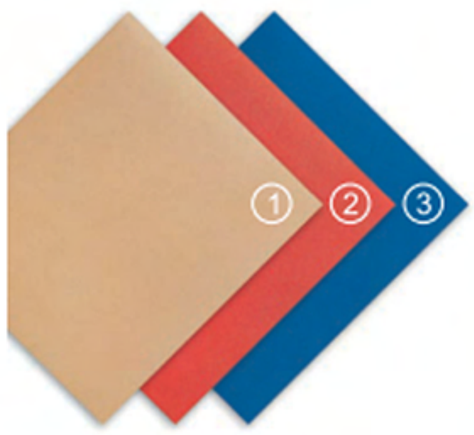
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Prosthetics & Orthotics

MADE IN TURKEY





















ISO 9001 QUALITY ASSURANCE

CE

MATERIALS

PR49.ID

Thermo Papers

Different Design & Sizes 1600 x 1000 mm

Sample Order Code

Main Code				Serie	
P	R	4	9	I	D



* Please ask for available designs

PR50.DK

Dacrone

Dacrone is used during socket applications process in order to strenghten the socket.

White Sizes 1000 x 1000

Sample Order Code

Main Code				Serie	
P	R	5	0	D	K



PR50.PT.3MM
PR50.PK.3MM
PR50.PM.3MM

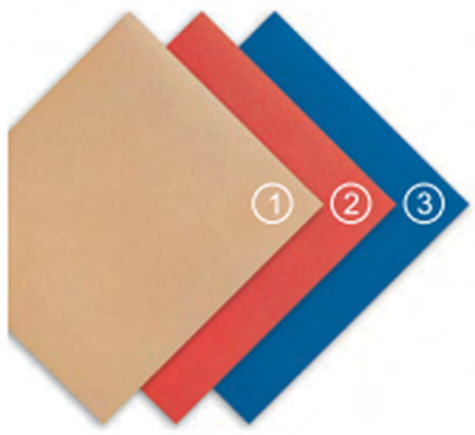
Plastazote 2000 x 1000 mm

In Beige, Blue and Red colors.

Codes	Color
PR50.PT.3MM	Beige
PR50.PK.3MM	Red
PR50.PM.3MM	Blue

Sample Order Code

Main Code				Serie		Thickness		
P	R	5	0	P	T	3	M	M



PR50.OP.6MM
PR50.OP.12M

Plastazote 1000 x 1000 mm

In Beige color.

Codes	Thickness
PR50.OP.6MM	6 mm
PR50.OP.12M	12 mm

Sample Order Code

Main Code				Serie		Thickness		
P	R	5	0	O	P	6	M	M



Materials

PR59.OP.6MM
PR59.OP.12M

Plastazote 2000 x 1000 mm

In Beige color.

Codes	Thickness
PR59.OP.6MM	6 mm
PR59.OP.12M	12 mm

Sample Order Code

Main Code				Serie		Thickness		
P	R	5	9	O	P	6	M	M



PR51.03
PR51.04
PR51.05
PR51.06

Polyform (1000 x 1000 mm)

Codes	Thickness
PR51.03	3 mm
PR51.04	4 mm
PR51.05	5 mm
PR51.06	6 mm

Sample Order Code

Main Code				Thickness	
P	R	5	1	0	3

*** In beige color.**



PR60.03
PR60.04
PR60.05
PR60.06

Polyform (2000 x 1000 mm)

Codes	Thickness
PR60.03	3 mm
PR60.04	4 mm
PR60.05	5 mm
PR60.06	6 mm

Sample Order Code

Main Code				Thickness	
P	R	6	0	0	3

*** In beige color.**



PR51.B3
PR51.B4
PR51.B5
PR51.B6

Polyform (1000 x 1000 mm)

Codes	Thickness
PR51.B3	3 mm
PR51.B4	4 mm
PR51.B5	5 mm
PR51.B6	6 mm

Sample Order Code

Main Code				Thickness	
P	R	5	1	B	3



* In white color

PR60.B3
PR60.B4
PR60.B5
PR60.B6

Polyform (2000 x 1000 mm)

Codes	Thickness
PR60.B3	3 mm
PR60.B4	4 mm
PR60.B5	5 mm
PR60.B6	6 mm

Sample Order Code

Main Code				Thickness	
P	R	6	0	B	3



* In white color

PR53.PV.076

PVA

Codes	Width
PR53.PV.076	76 cm

Sample Order Code

Main Code				Serie		Width		
P	R	5	3	P	V	0	7	6



PR52.OS.006
PR52.OS.008
PR52.OS.010
PR52.OS.012
PR52.OS.015
PR52.OS.025

Perlon Stockinette

Sample Order Code

Main Code				Serie		Width		
P	R	5	2	O	S	0	0	6



Code	PR52.OS.006	PR52.OS.008	PR52.OS.010	PR52.OS.012	PR52.OS.015	PR52.OS.025
Width	6 cm	8 cm	10 cm	12 cm	15 cm	25 cm

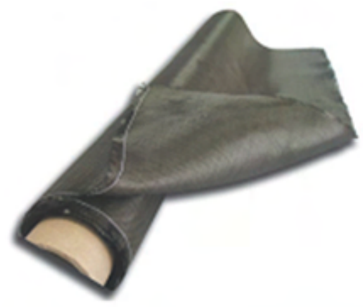
PR54.KE

Carbon Fiber

1000 x 1000 mm

Sample Order Code

Main Code				Serie	
P	R	5	4	K	E



Code	PR54.KE
Width / Length	1000 x 1000 mm

PR55.K5
PR55.K1

PU Foam

F highly flammable — Highly Flammable

Sample Order Code

Main Code				Weight	
P	R	5	5	K	5



Code	PR55.K5	PR55.K1
Weight	5 kgs	1 kg

PR55.S5
PR55.S1

PU Foam Hardener

F highly flammable — Highly Flammable

Sample Order Code

Main Code				Weight	
P	R	5	5	S	5



Code	PR55.S5	PR55.S1
Weight	5 kgs	1 kg

PRTD.01
PRTY.01
PRTB

Plaster File

Sample Order Code

Main Code				Type	
P	R	T	D	0	1







Codes	Shape
PRTD.01	Flat
PRTY.01	Round
PRTB	Half Round

PRTS

File Connector

Sample Order Code

Main Code			
P	R	T	S

File Connector is used with connect plaster file.



PR56.PG.001
PR56.PG.002

Color Pigment

F highly flammable — Highly Flammable

Sample Order Code

Main Code				Type		Weight		
P	R	5	6	P	G	0	0	1

Codes	Weight
PR56.PG.001	0,5 kgs
PR56.PG.002	1 kg



Materials

PR57.PL.2MM
PR57.PL.3MM
PR57.PL.4MM
PR57.PL.5MM

Polyethylene Plate (PE)

160° - 170°

Codes	Sizes	Thickness
PR57.PL.2MM	100 x 200 cm	2 mm
PR57.PL.3MM	100 x 200 cm	3 mm
PR57.PL.4MM	100 x 200 cm	4 mm
PR57.PL.5MM	100 x 200 cm	5 mm

Sample Order Code

Main Code				Serie		Thickness		
P	R	5	7	P	L	2	M	M

160° - 170° C

PR58.PP.2MM
PR58.PP.3MM
PR58.PP.4MM
PR58.PP.5MM

Polypropylene Plate (PP)

160° - 170°

Codes	Sizes	Thickness
PR58.PP.2MM	100 x 200 cm	2 mm
PR58.PP.3MM	100 x 200 cm	3 mm
PR58.PP.4MM	100 x 200 cm	4 mm
PR58.PP.5MM	100 x 200 cm	5 mm

Sample Order Code

Main Code				Serie		Thickness		
P	R	5	8	P	P	2	M	M

160° - 170° C

PR09.GP.046
PR09.GP.064
PR09.GP.068

Prosthesis Vesting Case

Codes	Sizes
PR09.GP.046	46 cm
PR09.GP.064	64 cm
PR09.GP.068	68 cm

Sample Order Code

Main Code				Serie		Size		
P	R	0	9	G	P	0	6	4

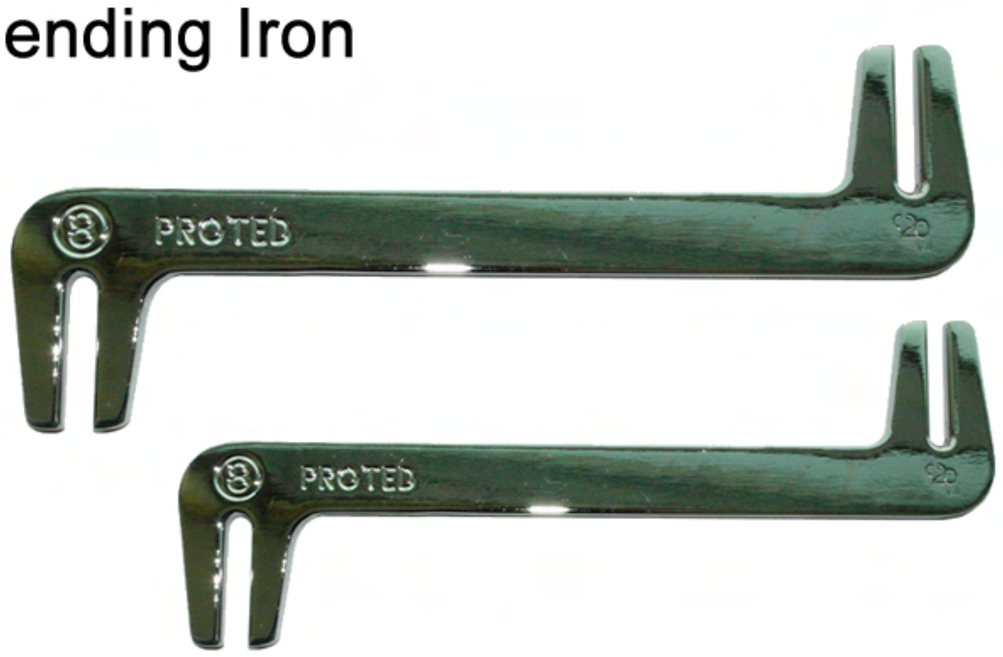


PR61.GR.8X6
PR61.GR.6X4

Bending Iron

Sample Order Code

Main Code				Type		Size		
P	R	6	1	G	R	8	X	6



PR62.01

Casting Table

Wood, Aluminium and Stainless Steel

Sample Order Code

Main Code				Type	
P	R	6	2	0	1



The casting table has been designed to meet the needs of all kind of prosthetic patients, including lower extremity prostheses, hip and knee disarticulation prostheses.

The geared system and the ergonomic design enable the technician to adjust the height appropriately allowing the patient to comfortably stand upright while the measurements are taken.

For your personal notes:

KOSGEB

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