

INSTRUCTIONS FOR USE

IFU CODE : 01



Winged Foot



Short Foot



Supreme Foot



Symes Foot



FM-Foot



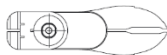


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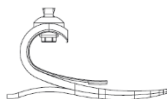
Winged Foot

INFORMATION



Last Update: 09.01.2024

- Please read this document carefully before using the product.
- Instruct the user in the appropriate and safe use of the product.
- Follow the safety instructions to abstain injuries and damage to the product.
- Please keep this document in a safe place.



1.Description

Winged foot is designed as a multi-functional foot with complete carbon fiber structure. It has two main plates, divided in two parts which allows +/- 10 degrees of inversion and eversion movements of the carbon foot. Also split main plate design of the foot provides +/- 5 degrees of the torsion of the pyramid section. For smoother gait cycle, there is an additional inner carbon plate to comfort during the stance phase, causing the main plate to flex till a particular point easily and prevents further loads.

- 3D-Printed rings together with carbon fibers: 3D-Printed rings allow easily seat and cover for carbon fibers as well as reduces and distributes the stress of heel strike force by its pre-shaped structure and round corners.
- Multi-axial body.

- Impact absorption by inner Plate Wide body with to increase ground stability.
- Thanks to its split lines on main plate, pyramid section of the foot easily rotates around center of the pyramid and causes +/- 5 degrees of torsion.
- Winged Foot has its own design Foot Shell, which is highly durable for wearing out during the usage of foot. It's made of Thermoplastic Rubber (TPR) and has 60 shore hardness.

1.1 Properties

Winged Foot	
Sizes	23 to 29
Advised Activity Level	K3 – K4
Max User Weight	120 Kg
Mean Product Length	110 mm
Mean Product Weight	390 Gr
Stiffness Category	1 to 5
Torsion of Pyramid	+/- 5 degrees
Inversion and Eversion	+/- 10 degrees
Available Foot Shell Color	Beige & Brown
Connector Type	Titanium Male Pyramid

1.2 Weight Categorization

Category	CAT-1	CAT-2	CAT-3	CAT-4	CAT-5
Patient Weight (Kg)	65-75	75-85	85-95	95-105	105-120

1.3 Order Example

Foot Shell is same for all foot types and available in all sizes. Foot Shell should be ordered separately by its size and color. Please see the last section for foot shell in this manual.

Size	23 to 29
Order Example	W27–CAT3 (Winged Foot)(Size)-Category)

2. Application

The product is suggested for activity level 3 and activity level 4.

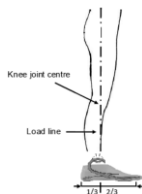
3. Maintenance and Assembling

Cleaning process of the Foot Shell can be done easily by damp cloth. Rub the cloth to the surfaces of Foot Shell. Warm water also helps to clean its surfaces.

The Winged Foot is designed for 10 mm heel height (+/- 5mm) to be in proper position on prosthetics. Place a part under the foot to provide 10 mm heel height while assembling the foot to rest of the prosthetics.



The foot should be placed in a position so the load line goes through the posterior third of the foot. Which will be in front of the pyramid about 15 mm.



Foot Shell is a disposable prosthetic product and can be worn out after usage of 6 month to 1 year depending on activity of patient. In this case, please replace the Foot Shell immediately to prevent any damage on the Winged Foot. Removing the Winged Foot from Foot Shell can be easily done with Foot Shell Tool (FST) by gently pushing out the foot by help of the tool.



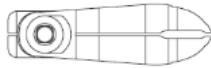
Foot Shell Tool (FST)

Short Foot

INFORMATION

Last Update: 09.01.2024

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1.Description

The pyramid adapter is made of high-strength stainless steel. As seen by its name, Short profile design is suitable for users with long residual limbs. Even having a Short profile, the foot provides energy return which is considerably high. Short height structure enables to use additional components on top, such as active vacuum adapters and shock absorbers.

“3D-Printed Rings Technology” (Patent Pending) provides “Screw-less” connection of carbon plates at toe section. This provides smooth feeling and gait cycle for the user.

- The height of the product is low.
- Ideal for long stumps.
- Carbon fiber material recycles energy and gives flexibility to the foot.

- The body of the foot is completely divided into two. Thus, a high degree of inversion and eversion can be achieved. Rotation feature is available.
- Provides a comfortable heel strike with palpable plantar flexion. Symmetrical features are available.
- Lightweight and flexible.
- The underside of the foot is rough. Thus, the carbon foot is held in the foot shell.

1.1 Properties

Short Foot	
Sizes	23 to 29
Advised Activity Level	K2 – K3
Max User Weight	120 Kg
Mean Product Length	50 mm
Mean Product Weight	350 Gr
Available Foot Shell Color	Beige & Brown

1.2 Weight Categorization

Category	CAT-1	CAT-2	CAT-3	CAT-4	CAT-5
Patient Weight (Kg)	65-75	75-85	85-95	95-105	105-120

1.3 Order Example

Foot Shell is same for all foot types and available in all sizes. Foot Shell should be ordered separately by its size and color. Please see the last section for foot shell in this manual.

Size	23 to 29
Order Example	Short26-CAT2 (Short Foot)(Size)-(Category)

2. Application

Short Foot is suitable for lower extremity prosthesis applications.

The product is suggested for activity level 2 (restricted outdoor walker) and activity level 3 (unrestricted outdoor walker).

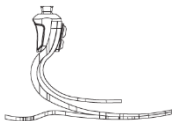
3. Installation of The Foot

1. During the installation of the foot, it is recommended to mount it to the pipe adapter first (In this way, it is easier to attach the foot shell to the carbon foot).
2. The carbon foot must first be inserted through the nose into the shell.
3. Then, it should be ensured that the heel part is fully seated in the heel socket in the shell.

Supreme Foot

INFORMATION

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1.Description

Supreme Foot is designed as a multi-functional foot with complete carbon fiber structure. It has two main plates, divided in two parts which allows +/- 10 degrees of inversion and eversion movements of the foot. Also split main plate design of the foot provides +/-5 degrees of the torsion of the pyramid section. For smoother gait cycle, there is an additional inner carbon late to comfort during stance phase, causing the main plate to flex till a particular point easily and prevents further loads.

- Titanium Male Pyramid allows for the use of standard connectors available on the Prosthetics market.
- Totally carbon fiber body provides high energy return and smooth gait cycle.
- Additional inner carbon plate “Absorbs” surplus energy and increases life span of the product.

- “3D-Printed Rings Technology” (Patent Pending) provides “Screw-less” connection of carbon plates at toe section. This provides smooth feeling and gait cycle for the user.
- Pyramid of the product is made by Titanium, lightweight and durable against set-screw pressure.
- Suitable for K3-K4 level users.
- Supreme Foot has its own design Foot Shell, which is highly durable for wearing out during the usage of foot. It's made of Thermoplastic Rubber (TPR) and has 60 shore hardness.

1.1 Properties

Supreme Foot	
Sizes	24 to 28
Advised Activity Level	K3 – K4
Max User Weight	120 Kg
Mean Product Length	150 mm
Mean Product Weight	480 Gr
Stiffness Category	1 to 5
Available Foot Shell Color	Beige & Brown
Connector Type	Titanium Male Pyramid

1.2 Weight Categorization

Category	CAT-1	CAT-2	CAT-3	CAT-4	CAT-5
Patient Weight (Kg)	65-75	75-85	85-95	95-105	105-120

1.3 Order Example

Foot Shell is same for all foot types and available in all sizes. Foot Shell should be ordered separately by its size and color. Please see the last section for foot shell in this manual.

Size	24 to 28
Order Example	Supreme28-CAT2 (Supreme) (Foot Size)-(Category)

2. Application

Supreme Foot has designed for lower limb prostheses for 10 mm heel height together with following technical information. The product is suggested for activity level 3 and activity level 4.

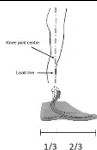
3. Maintenance and Assembling

Cleaning process of the Foot Shell can be done easily by damp cloth. Rub the cloth to the surfaces of Foot Shell. Warm water also helps to clean its surfaces.

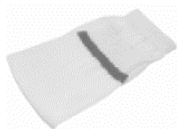
The Supreme Foot is designed for 10 mm heel height (+/- 5mm) to be in proper position on prosthetics. Place a part under the foot to provide 10 mm heel height while assembling the foot to rest of the prosthetics.



The foot should be placed in a position so the load line goes through the posterior third of the foot. Which will be in front of the pyramid about 15 mm.



Supreme Foot should be used together with its prosthetic sock. Before putting the Foot in the Foot Shell, please be sure to put the Foot in its sock firstly. Prosthetic sock will prevent wearing of the foot shell, as well as will prevent any possible noises during the walking.



Carbon Foot Stocking

Foot Shell is a disposable prosthetic product and can be worn out after usage of 6 month to 1 year depending on activity of patient. In this case, please replace the Foot Shell immediately to prevent any damage on the Supreme Foot. Removing the Supreme Foot from Foot Shell can be easily done with Foot Shell Tool (FST) by gently pushing out the foot by help of the tool.



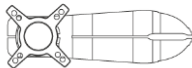
Foot Shell Tool (FST)

Symes Foot

INFORMATION

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1.Description

As seen by it's name, this foot mostly focuses on users with Symes amputation.

- Symes foot has stabile M36 Thread and 4-Prong Socket Adapter to be connected with the socket directly.
- Symes foot has the same flexible carbon structure with the Short Foot, provides high energy return and smooth gait cycle.
- "3D-Printed Rings Technology" has been used, as well as other carbon fiber feet in the product range.

1.1 Properties

Symes Foot	
Sizes	23 to 29
Advised Activity Level	K2-K3
Max User Weight	120 Kg
Mean Product Length	50 mm
Mean Product Weight	420 Gr
Available Foot Shell Color	Beige & Brown

1.2 Weight Categorization

Category	CAT-1	CAT-2	CAT-3	CAT-4	CAT-5
Body Weight (Kg)	65-75	75-85	85-95	95-105	105-120

1.3 Order Example

Foot Shell is same for all foot types and available in all sizes. Foot Shell should be ordered separately by its size and color. Please see the last section for foot shell in this manual.

Size	23 to 29
Order Example	Symes26-CAT2 (Symes Foot)(Size)-(Category)

2. Application

The product is suggested for activity level 2 and activity level 3.

FM-Foot

INFORMATION

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1.Description

The key features of the FM-Foot carbon fiber foot are that it provides a soft gait and cushioning feel to low to medium mobility users, and its split toe design allows the foot to adapt to uneven surfaces.

Amputees with mobility level 1 or 2 the ability to walk effortlessly in everyday life situations.

The user-defined weight is 120 kg max.

- Split toe carbon fiber spring – Good balance of flexibility and dynamic response with durability.
- FM-Foot has Aluminum adapter, which is lightweight and durable.
- Foam based heel section, provides damping and cushion.
- Foot Shell is same for all foot types and available in all sizes.

1.1 Properties

FM-Foot						
Sizes	23	24	25	26	27	28
Weight Limits	100 Kg				120 Kg	
Advised Activity Level	K1 – K2					
Max User Weight	120 Kg					
Mean Product Length	70 mm					
Mean Product Weight	310 Gr					
Available Foot Shell Color	Beige & Brown					

1.2 Weight Categorization

Size	23	24	25	26	27	28
Weight Limit (kg)	100 kg				120 kg	

1.3 Order Example

Foot shell for FM-Foot included in order.

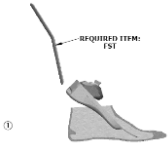
Size	23	24	25	26	27	28
Order Example	FM24-RIGHT-BEIGE (FM-Foot) (Foot Size)- (Foot Shell Type)-(Foot Shell Color)					

2. Application

The product will only be used for lower extremity prosthetic parts.

The product is suggested for activity level 1 (indoor walker) and activity level 2 (restricted outdoor walker).

3. Assembly of FM-Foot

 ①	 ②
Required Item: Foot Shell Tool (FST) Tool for removing the foot shell.	Push the foot in foot shell.
 ③	 ④
Push back the teeth of the foot shell with FST.	The foot prosthesis should be pressed up to foot shell.
 ⑤  DETAIL of TEETH	
Take out FST. (You see the details of the teeth)	

General Safety Instruction

Do not use this product without reading the instruction of use.

Take note of the safety warnings in this user manual.

These products are for one patient use only.

It should not be used by other patients.

Avoid over-straining the product.

Please inform the patient.

Keep products away from environments where corrosion may occur.

e.g., various acids, sand, gravel, sweat and salt water

Avoid using these products in unsuitable environmental conditions.

If the product has been exposed to unsuitable environmental conditions, check for damage.

Protect the product against burns.

Any assembly and modification to be made on the carbon foot and foot cover should be done by a specialist technician in a prosthetic orthotics workshop.

Sharp tools should not be used for assembly and disassembly.

These tools can cause damage to the carbon parts and/or the foot cover.

Mechanical Damage to the product

Be careful when working with the product.

Do not scrape the foot prosthesis and foot shell.

Use the prosthesis in appropriate combinations.

Do not attempt to assemble parts that are not suitable for these products.

If the product has been damaged or function has changed do not use the product.

If there is a loss of function in the foot, the foot should not be used.

This loss of function may manifest as changes in flexing resistances and, in some cases, unusual noises.

Prosthetic stocking, foot shell and carbon foot should be used together.

(Supreme Foot, Winged Foot, Short Foot, Symes Foot)

These carbon feet should be used together with its prosthetic sock.

Before putting the Foot in the Foot Shell, please be sure to put the Foot in its sock firstly.

Prosthetic sock will prevent wearing of the foot shell, as well as will prevent any possible noises during the walking.

FM-Foot, Short Foot and Symes Foot not an athlete's carbon foot.

This carbon foots not suitable for high level running and jumping.

Environmental Conditions

These acceptable and inappropriate environmental conditions are valid for all prosthetic feet in this user manual.

Acceptable Environmental Conditions
Temperature range for use: -10 °C to +60°C
Allowable relative humidity 0 % to 90 %, non-condensing

Inappropriate Environmental Conditions
Fresh water, salt water, perspiration, urine, acids
Mechanical vibrations or impact
Dust, sand, highly hygroscopic particles (e.g., talcum)

Service Life

Winged Foot, Short Foot, Supreme Foot, Symes Foot have been tested in in-house with 2 million load cycles according to ISO 22675. The service life of the product is about 2 to 3 years. Of course, this time varies according to the daily activity level of the user.

Foot Shell

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1.Description

- Specially produced by Thermoplastic Rubber (TPR)
- Suitable for all type of IB-ER Prosthetic feet.
- 60 Shore hardness.
- Two different color options (Beige and Brown)
- All Foot Shell comes with its connection cap.

Code	Foot Size	Heel Height	Color	Side
AS-23L/R	23	10 mm	Beige	L/R
AS-24L/R	24	10 mm	Beige	L/R
AS-25L/R	25	10 mm	Beige	L/R
AS-26L/R	26	10 mm	Beige	L/R
AS-27L/R	27	10 mm	Beige	L/R
AS-28L/R	28	10 mm	Beige	L/R
AS-29L/R	29	10 mm	Beige	L/R

2. Order Example

Size	23 to 29
Order Example for Beige Color	AS-26-LEFT (Beige Color)(Size)-(Foot Shell Type)
Order Example for Brown Color	AB-26-RIGHT (Brown Color)(Size)-(Foot Shell Type)

3. Accessory

Foot Shell Tool Tool for removing the foot shell Code: FST	
Carbon Foot Stocking Suitable for foot types. Code: S-CF	
Connection Cap	



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