The Explorer System

A modular forearm prosthesis

macu4

The Socket

Customisable in just a few steps. The breathable socket design, the lacing system and the lightweight design reduce sweating and ensure a comfortable fit on the arm.

The Module

The module components are light and easy to use. Available in different variants as well as with metric and inch thread interface and thus flexibly applicable.

The Ring

The coupling component helps to fix the modules to the socket and align them flexibly. Available in two versions and thus compatible with curved or flat distal socket design.

Process & time efficient

With the Explorer System, the measurement is done with the help of photos or scans. This not only saves time, but also makes the process more pleasant for the user and the prosthetist.

Reliable cost calculation

By automating the 3D model and optimising material usage for socket production, cost planning becomes more reliable based on standardised process steps & low risk of subsequent adjustments.

CE marked accessories

The modules are accessories of a prosthetic socket and are CE-marked. Production and risk management are carried out within the frame-work of the MDR specifications.

Compatible & flexible to use

The modules are available with either M12 x 1.5 or 1/2-20" threads. They are flexible in application and can be used independently of the Explorer socket.

Product overview

The Explorer System

Ball Module

The Ball module provides assistance for certain ball sports, e.g. to pick up a ball from the ground, to hold it and to throw it. Available in two sizes (based on palm size) and configurable with or without length compensation.

Pinch Module

The Pinch Module allows smaller and lighter objects to be clamped between the module fingers, e.g. cutlery, paper, etc. It is available in one size, with integrated ball joint and quick release, and can be configured with or without length compensation.

Bike Module

The Bike Module enables safe holding on various handrails such as a bicycle, scooter, lawn mower or shopping trolley. It also promotes posture. Available in one standard size, with integrated joint, rotation function, flexible strap and length compensation. Configurable with or without length compensation.

Twin Module

The Twin Module supports activities where a bar, handles, ropes or straps are to be fixed in order to perform movements with tensile or compressive forces. Available in two sizes (based e.g. on the circumference of the bar/handle), position adjustable from the swivel head, and configurable with or without length compensation.

Swim Module

The Swim Module serves as a paddle and helps to discover different swimming styles and strokes. It also supports children when playing in the sandbox. Available in two sizes (based on palm size).

Hold Module

The Hold Module allows smaller and lighter objects to be clamped between the module clamp, e.g. cutlery, paper, kitchen utensils, etc. It is available in one size, with an integrated ball joint and quick release.

A new way to configure a forearm prosthesis | Can be used for a wide range of activities | Applicable for children and adults

Product overview

The Explorer System

EXPLORER | SOCKET

Colour

- ☐ white | yellow
- ☐ white | red
- ☐ black | red
- ☐ black | yellow

Arm side

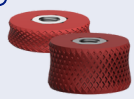
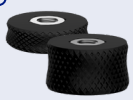
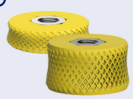
- ☐ right
- ☐ left

Thread

- ☐ metric
- ☐ inch

EXPLORER | RING

Colour

- ☐  red
- ☐  black
- ☐  yellow

Size

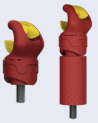
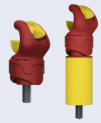
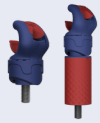
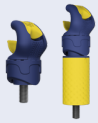
- ☐ for Explorer socket (EXP)
- ☐ for third party socket (STD)

Thread

- ☐ metric
- ☐ inch

EXPLORER | BIKE MODULE

Colour

- ☐ black | R-B
- ☐ black | R-R
- ☐ black | Y-B
- ☐ black | Y-Y
- ☐ red | B-B
- ☐  red | Y-R
- ☐  red | Y-Y
- ☐  blue | R-R
- ☐  blue | Y-Y

Size

- ☐ standard

Thread

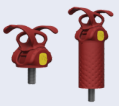
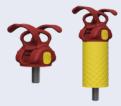
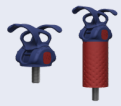
- ☐ metric
- ☐ inch

Spacer*

- ☐ Spacer ___ (mm)

EXPLORER | TWIN MODULE

Colour

- ☐ black | R-B
- ☐ black | R-R
- ☐ black | Y-B
- ☐ black | Y-Y
- ☐ red | B-B
- ☐  red | Y-R
- ☐  red | Y-Y
- ☐  blue | R-R
- ☐ blue | Y-Y

Size**

- ☐ standard
- ☐ large

Thread

- ☐ metric
- ☐ inch

Spacer*

- ☐ Spacer ___ (mm)

* The Spacer length is always calculated by macu4 when an Explorer Socket is ordered ** The size should be selected with regard to the grip or pole circumference. *** The size should be selected with regard to the size of the palm. See the Quick Guide for Modules. **** The Spacer is a separate product that can be used together with the respective Module.

Product overview

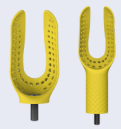
The Explorer System

EXPLORER | BALL MODULE

Colour

☐ red

☐ black

☐  yellow

☐ blue

Size***	Thread	Spacer*
☐ small ☐ standard	☐ metric ☐ inch	☐ Spacer ___ (mm)

EXPLORER | PINCH MODULE

Colour

☐ black | R-B

☐ yellow | B-B

☐ red | B-B

Size	Thread
☐ standard	☐ metric ☐ inch

EXPLORER | PINCH SPACER

Colour

	Thread	Spacer****
☐ black	☐ metric ☐ inch	☐ Spacer ___ (mm)

EXPLORER | SWIM MODULE

Colour

☐ red

☐ black

☐ yellow

☐ blue

Size***	Thread
☐ small ☐ standard	☐ metric ☐ inch

EXPLORER | HOLD MODULE

Colour

	Thread	Spacer****
☐ black	☐ metric ☐ inch	☐ Spacer ___ (mm)

NOTE FOR PROFESSIONALS

The configuration of the Socket and the determination of the Spacer length of a Module are based on measurement data. Please provide these in the required formats.

If you are using Explorer Modules with a third-party Socket (not Explorer Socket), please enter the required Spacer length for each module. The Quick Guide for third-party Sockets provides information on how to determine the Spacer length.

Make sure that you order the same thread type for all components so that they are compatible with each other.