

# The Explorer System

A modular forearm prosthesis



## The Socket

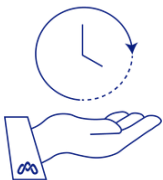
Available in two versions. FC and RS. Fully customized (FC) or rotationally symmetrical (RS). The breathable socket design, the lacing system and the lightweight construction reduce sweating and ensure a comfortable fit on the arm.

## The Module

The components are lightweight and easy to use. Available in different variants with metric or inch thread interfaces.

## The Ring

The coupling component secures the modules to the socket and allows flexible alignment. Available in two variants and therefore compatible with curved or flat distal socket designs.



### 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.



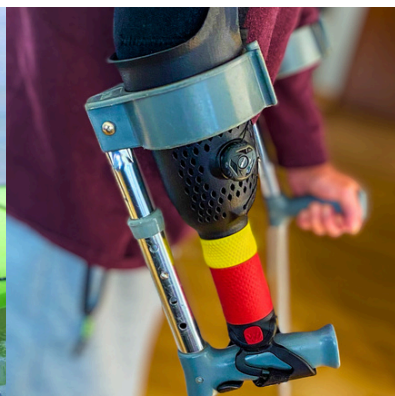
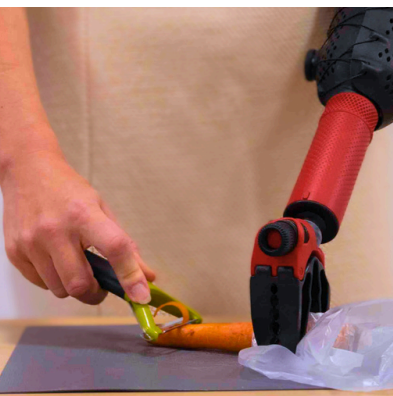
### CE marked accessories

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

## Explorer System



### Socket Types

The socket forms the functional base of the Explorer System, securely connecting the modular system to the residual limb. It is available in two variants: fully customized (FC) or rotationally symmetrical (RS).



### Fully customized (FC)

Fully patient-specific and manufactured based on an individual patient scan to enable precise anatomical adaptation and maximum customization.

### Rotationally symmetric (RS)

Based on a standardized rotationally symmetrical design and created using a photo-based measurement method. Individually adapted for efficient and functional fittings.



#### Ball Module

Provides assistance when picking up, holding, or throwing balls. Open fork design supports secure object guidance. Available in two sizes (based on palm size) and with or without length compensation.



#### Pinch Module

Allows smaller and lighter objects to be clamped between the module fingers. Integrated ball joint with quick release for adjustable positioning. Configurable with or without length compensation.



#### Bike Module

Enables secure holding on various handles and bars. Integrated joint with rotation function and flexible strap option. Available with or without length compensation.



#### Twin Module

Supports activities requiring fixation of objects under tensile or compressive forces. Fixation around bars or handles with adjustable swivel head. Configurable with or without length compensation.



#### Hold Lock Module

Allows objects to be clamped without the use of velcro. One-hand quick-release mechanism with adjustable ball joint. Available in one size.



#### Hold STD Module

Allows smaller or thinner objects to be clamped using a velcro strap. Quick-release ball joint enables continuous multi-directional adjustment. Available in one size.



#### Swim Module

Serves as a paddle to support swimming and different stroke patterns. Optimized for use in water environments. Available in two sizes (based on palm size)

# The Explorer System

Order Form



## EXPLORER | SOCKET - RS

Colour



Armside

- left
- right

Thread

- metric
- inch

## EXPLORER | RING

Colour



Size

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

Thread

- metric
- inch

## EXPLORER | SOCKET - FC

Colour



**Note:** The illustration shown is a representative rendering. Final design may vary.

Armside

- left
- right

Thread

- metric
- inch

## EXPLORER | DISTAL INTERFACE

Type



Thread

- metric
- inch

## EXPLORER | BALL MODULE

Colour



Size\*\*

- small
- standard

Thread

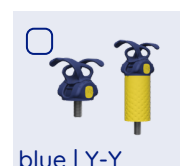
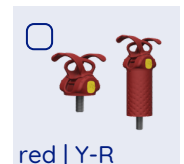
- metric
- inch

Spacer\*

- Spacer
- \_\_\_\_\_ (mm)

## EXPLORER | TWIN MODULE

Colour



Size\*\*

- small
- standard

Thread

- metric
- inch

Spacer\*

- Spacer
- \_\_\_\_\_ (mm)

# The Explorer System

Order Form



## 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

Thread

- metric
- inch

Spacer\*

- Spacer
- \_\_\_\_\_ (mm)

## EXPLORER | HOLD LOCK MODULE

Colour



black

Thread

- metric
- inch

## EXPLORER | HOLD STD MODULE

Colour



black

Thread

- metric
- inch

## EXPLORER | HOLD STD SPACER

Colour



black

Thread

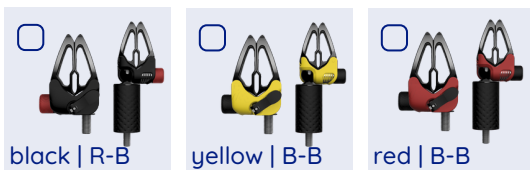
- metric
- inch

Spacer\*\*\*\*

- Spacer
- \_\_\_\_\_ (mm)

## EXPLORER | PINCH MODULE

Colour



black | R-B

yellow | B-B

red | B-B

Thread

- metric
- inch

## EXPLORER | PINCH SPACER

Colour



black

Thread

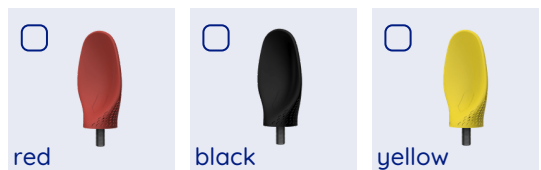
- metric
- inch

Spacer\*\*\*\*

- Spacer
- \_\_\_\_\_ (mm)

## EXPLORER | SWIM MODULE

Colour



red

black

yellow

Size\*\*\*

- small
- standard

blue

Thread

- metric
- inch

\* 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 Pinch Module. \*\*\*\* The Spacer is a separate product and can be used either with the Hold STD Module or the Hold Lock Module.