



mediroyal 

Orthoses are our passion

# PROXI<sup>®</sup> Thumb Supports

*– Innovative thumb orthoses*





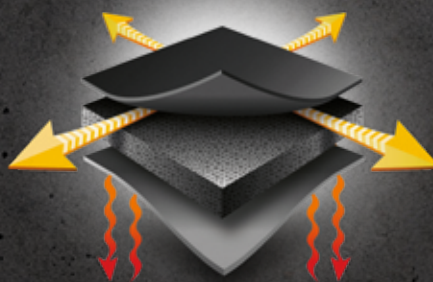


# PROXI® Thumb Orthoses



The Mediroyal Proxi® line was developed 2018 as a new way to provide functional support to thumbs. Until then most alternatives had been either a textile support or a custom thermoplastic splint. The Proxi® concept changed that. By modifying the molecular structure of the thermoplastic reinforcement, we managed to develop a thermoplastic that has maximum rigidity in the vertical direction but are flexible in the horizontal direction. This allows the thermoplastic to be modified to the individual size of the patient by simply using your hands. Fold the thumb reinforcement part to make the fit tighter or open it up to make the size bigger, no hot water is needed. It is as simple as it sounds.

Along with the thermoplastic, we also developed the Neptune™ textile, which is a technical textile laminate that is hydrodynamic, breathable, comfortable, low profile and quick drying. The material also has a rip-stop function which means that there is no need for edging tapes. The combination between the Neptune™ textile and the thermoplastic created the Proxi® line of thumbs. The different designs are protected by several Registered EU Community Designs and a US Design Patent.



Turbocast® Immo Plus is a registered trademark of T-Tape Company B.V.

Proxi® is a registered trademark of Mediroyal Nordic AB

The designs are protected by one or more of the following Registered EU Community Designs or US:

US D902415S, 005805025-0001, 005805025-0002, 005805025-0003, 008564462-0001, 008564462-0002, 008564462-0003, 008456545-0001, 008456545-0002, 008456545-0003.



# Proxi® Light

– *High functionality – exceptional comfort*

## MR2337 · Proxi® Light Thumb Support

The Proxi® Light thumb is a light and flexible thumb support without any thermoplastic support or splint. The unique design has a polymer reinforcement film that has been laminated to the textile to provide support to the Neptune™ textile. The polymer film adapts and adjusts over time to the shape of the thumb through the body heat. The low-profile hook attachment around the wrist and thumb provides a secure attachment with an extremely low profile that even fits inside gloves.

- **Extremely low profile, without a splint**
- **Reinforced with a polymer film that shapes to the patient**
- **Low profile hook that can attach anywhere on the surface**

**Indications:** CMC- or MCP related problems, inflammations, strains and mild sprains, rheumatoid arthritis, or degenerative processes.

Available in Left and Right model

Size	XS	S	M	L	XL
cm	13–14	14–16	16–18	18–20	20–22



# Proxi® Plus

– *Stability combined with the comfort of a soft orthosis*

## MR2338 · Proxi® Plus Thumb Support

The Proxi® Plus model has a 1,6 mm Turbocast® Immo Plus thermoplastic reinforcement that has been laminated under the polymer surface film to provide support and stability. The model is pre-molded to support the CMC- and MCP joint of the thumb but can easily be adjusted by hand. The thermoplastic part is positioned just below the MCP joint, enclosing the metacarpal bone and the thenar eminence to provide support and stability.

- **Integrated 1,6 mm Turbocast® Immo Plus thermoplastic for support and stability**
- **Pre-molded and easy to adjust the fit without heat**
- **Moderate support of the MCP- and CMC joints**

**Indications:** CMC- or MCP instabilities, ligament injuries, inflammations, strains and sprains, rheumatoid arthritis, or degenerative processes.

Available in Left and Right model

Size	XS	S	M	L	XL
cm	13–14	14–16	16–18	18–20	20–22





# Proxi® Ultra

– For increased support over the CMC joint

## MR2333 · Proxi® Ultra Thumb Support

Proxi® Ultra offers more stability over the MCP-joint compared to the MR2338 Proxi® Plus model. The thermoplastic part has been updated to a 2,2 mm molecular modified thermoplastic that has maximum rigidity in the vertical direction but flexible in the horizontal direction. The design has been extended down over the CMC, covering the Trapezium for more stability and support.

- Integrated 2,2 mm molecular modified thermoplastic for support and stability
- Pre-molded and easy to adjust the fit without heat
- High support and stability of the MCP- and CMC joints

**Indications:** Support and unload the CMC-joint pre/post-operatively or when immobilization is needed after trauma, inflammations, rheumatoid arthritis, or degenerative processes.

Available in Left and Right model

Size cm	XS 13–14	S 14–16	M 16–18	L 18–20	XL 20–22
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# Extraband

– For increased wrist stability

## MR2490 · Extra Strap 5 cm, Black MR2491 · Extra Strap 3 cm, Black

The modular extra straps that can be used on all Proxi® thumbs. The strap can be used to increase stability over the wrist, both for volar flexion and dorsal extension. The strap can also provide more ulnar and radial support. The strap is made from the NRX® Double Soft Elastic material that is semi flexible and non-fraying when cut. The straps are fitted with a modular conventional hook part in the end that can be attached onto the normal loop closure of the wrist or thumb support. The hook part can be cut away over the white trim line when used for the Proxi® thumbs.

The Extra straps are available in 5 cm and 3 cm and fitted with an NRX® low profile hook with a tab to make it easier to open and close around the wrist.

Universal size – Fits XS–XL sizes

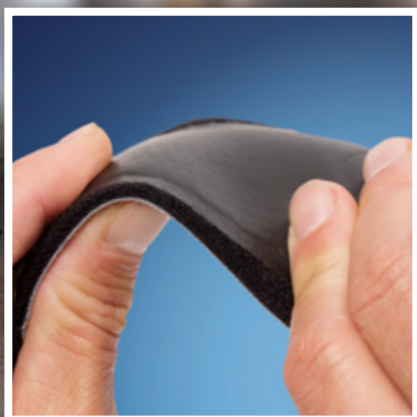
For extra support, Proxi® Ultra can be combined with the extra straps MR2490 or MR2491.





# Proxi® CMC

– Functional design with support for the CMC joint



## MR2381 · Proxi® CMC Thumb Support

The Proxi® The design has been extended down over the CMC, covering the Trapezium for more stability and support. The design features a volar platform that helps to create a better joint space for the CMC-joint. The volar platform is made from 1,6 mm Turbocast® Immo Plus and has an opening over the thenar eminence where the semi-elastic hook strap can be attached to provide active support along with assisting abduction of the thumb. The semi-elastic hook strap can also be attached over the CMC-joint and attached on the dorsal side for individual support and stability.

- Pre-molded 1,6 mm Turbocast® Immo Plus thermoplastic for support and stability
- Semi-elastic hook strap for individual adjustment
- Functional and effective design

**Indications:** CMC related problems and instabilities, rheumatoid arthritis, or degenerative processes.

Available in Left and Right model

Size	XS	S	M	L	XL
cm	13–14	14–16	16–18	18–20	20–22







# Proxi® DeQuervain

*– Optimal stability in combination with high user comfort and functionality.*

## MR2339 · Proxi® DeQuervain Thumb Support

The Proxi® DeQuervain is a thumb orthosis for De Quervain's tenosynovitis involving Extensor Pollicis Brevis (EPB) and Abductor Pollicis Longus (APL). The thermoplastic part is a 2,2 mm molecular modified thermoplastic that has maximum rigidity in the vertical direction but flexible in the horizontal direction. It provides a high degree of stability over the wrist in order to unload the tendons. The high comfort of the orthosis makes patient compliance much higher than general custom fabricated thermoplastic splints.

The thermoplastic reinforcement has an opening for the tendons which decrease the pressure over the area. The textile window part can also be cut away to further enhance comfort. To further enhance the stability over the wrist, the Extra Strap MR2490 can be used as a modular part. Proxi® DeQuervain offers excellent stability in combination with high comfort and functionality for the user.

- **Pre-molded 2,2 mm molecular modified thermoplastic for stability**
- **A flexible window over the tendons to decrease pressure**
- **Excellent stability in combination with high comfort and functionality for the user**

**Indications:** Mb De Quervain tenosynovitis, tendonitis, post-operative use.

Available in Left and Right model

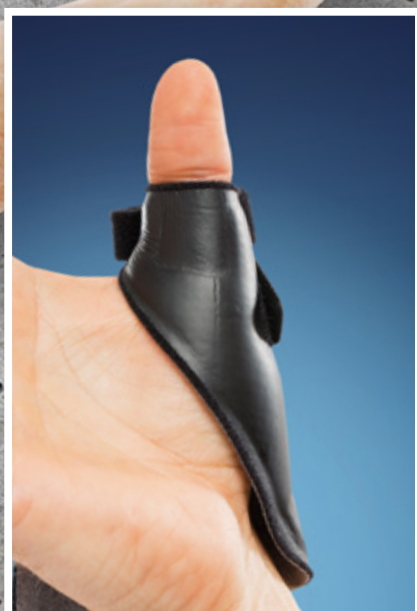
Size	XS	S	M	L	XL
cm	13–14	14–16	16–18	18–20	20–22





# Proxi® UCL

– High stability in combination with high comfort and functionality for the user.



## MR2336 · Proxi® UCL Thumb Support

The Proxi® UCL thumb is designed for patients with collateral ligament injuries. It can be used both directly after milder trauma or post-operative after the casting has been removed. It can also be used for general thumb instabilities to provide high stability to the CMC- and MCP joints. The Proxi® UCL is a modular orthosis that can be modified during the rehabilitation. The thumb part is longer to restrict flexion in the IP joint, with two thermoplastic shields supporting the IP-joint. In between these there is a flexible zone that can be cut gradually to regain flexion in the IP joint.

As an additional reinforcement there is a circular strap around the IP-joint to support. This strap can be cut when the patient is allowed full flexion. The 2,2 mm molecular modified thermoplastic that has maximum rigidity in the vertical direction but flexible in the horizontal direction, covering the CMC and the Trapezium for more stability and support.

- Pre-molded 2,2 mm molecular modified thermoplastic for stability
- Adjustable IP-zone and strap for gradual IP flexion
- High stability in combination with high comfort and functionality for the user

**Indications:** Injuries to the thumb's Ulnar Collateral Ligament (UCL), Radial Collateral Ligament (RCL), distortion injuries to the MCP or general thumb instabilities.

Available in Left and Right model

Size	XS	S	M	L	XL
cm	13–14	14–16	16–18	18–20	20–22





# PROXI<sup>®</sup>

## Thumb Orthoses



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Orthoses are our passion

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