

# **ULTRA-** **ORTHO<sup>™</sup>**

**Multipurpose Orthotic**



*One model, multiple applications!*

*Product Guide*

English

# Features

*Provides wrist positioning and adjustability for both flexion*

Allows Metacarpophalangeal (MCP) joints to be placed in an **extension** for extensor tendon injuries, or **flexion** for joint injuries.

C-BAR  
Maintain webspace of thumb allowing a good sweeping position for adjustable abduction, extension and flexion.

Ventilation for easy breathing to help prevent skin macerations. Secured rivets meet L-Code standards.

Unique, comfortable material made from the latest textiles offers easy cleaning, durability and venting to alleviate any skin maceration.

*and extension of the hand, wrist, thumb and digits.*

- Ultra-Ortho™ is biomechanically designed to immobilize and offer adjustable support to meet a variety of therapeutic goals.
- The orthotic is easily adjustable and does not cause any impingement or pressure areas when straps are fastened. This allows the orthotic to be used immediately for a variety of different types of pathologies maximizing the functional outcome and progress as needed without refitting for a new orthotic.
- Applications include but are not limited to: contractures due to Dupuytren, head injury, stroke, spinal cord injuries, CVA, arthritic conditions or burns.



*The innovative design combines a malleable frame with dense foam padding for a lightweight, soft orthosis that supports like a moldable plastic splint.*

# Indications

*Ultra-Ortho™ conforms to individual's progressive hand postures.*



**The versatile Ultra-Ortho™ eliminates the need of numerous other orthoses, including these Progress™ orthotics:**



Progress™  
I.F. (Individual Finger)  
Ball Orthosis



Progress™  
Neutral Resting Orthosis



Progress™  
Neutral Hand Cone Orthosis



Progress™  
Dorsal Anti-Spasticity  
Orthosis



Progress™  
Palmar Bar Wrist Orthosis



# Fitting Diagram



Direction of strapping  
biomechanically controls the  
hand, wrist, and forearm.

Removable  
Liner

Removable  
Finger  
Separator



Digital Pad

Digital Strap

Metacarpal  
Pad

Metacarpal Strap,  
with adjustment  
D-ring loop.

Carpal  
Pad

Forearm  
Pad

Thumb/Wrist  
Strap (optional)

Trough  
Skeleton

Carpal Strap

Forearm Strap

1 2 3 4 5

Follow Instructions for Strapping →

# Fitting

## Steps prior to strapping:

1. Evaluate user/patient.
2. Set goals.
3. Identify the correct size for patient, using the sizing chart (*see back cover*).
4. Check Finger Separator position and adjust, as needed.
5. Bend/mold orthotic based on patient goals and indications.
6. Proceed with strapping instructions.

## Adjusting Finger Separator:

Pull back liner.

Remove and reposition the **Finger Separator** to desired position.

Re-attach liner.



## Bending/molding by hand (*no tools necessary*):

Press orthotic against a table or counter edge and gently bend. Reposition against the edge and bend again until you have the desired contour. *Avoid creating sharp angles.* To contour the trough, grasp near the center and gently bend. Work towards the outer edges to achieve a smooth contour.



## Instructions for strapping:

After following the steps above, start the strapping process by placing the orthotic on user's arm, as shown. In succeeding steps, start by positioning pad first and then secure with strap.

### ① Position the Forearm Pad and Strap.

Place Forearm Pad to desired position. Use the Forearm Strap to fasten pad in place, strapping from radial (inside arm) to ulnar (outside arm). Secure strap in place with hook and loop.



## 2 Position the Carpal Pad and Strap.

Place Carpal Pad to the desired position. Use the Carpal Strap to fasten pad in place, strapping from ulnar to radial. Secure strap in place.



## 3 Position the Metacarpal Pad and Strap.

Place Metacarpal Pad to the desired position. Use the Metacarpal Strap to fasten pad in place, strapping from radial to ulnar. Secure strap in place. *Use the D-ring adjustment for additional security.*



## 4 Position the Digital Pad and Strap.

Place Digital Pad to desired position. Use the Digital Strap to fasten pad in place, strapping from ulnar to radial. Secure strap in place.



## 5 Thumb/Wrist Strapping (optional).

To secure thumb in place, wrap strap around thumb and orthosis 2 times. Secure in place with hook and loop.

For improved wrist support, wrap strap over and around the thumb and orthosis once. Strap should be able to pass through the web space and back over the wrist. Secure in place.



## Progress™ Ultra-Ortho™

### Sizing Chart

Measure width across the MP joints at the distal palmar crease. If in between sizes, choose smaller size.



	Width at MP Joints	
X-Small	3" to 3¼"	(7.6 to 8.3 cm)
Small	3¼" to 3½"	(8.3 to 8.9 cm)
Medium	3½" to 3¾"	(8.9 to 9.5 cm)
Large	3¾" and up	(9.5 cm and up)



*Not made with natural rubber latex.*

### Care instructions:

Removable liner is machine washable.

### Order Information:

Progress™ Ultra-Ortho™

Left	Right	Size
NC25560	NC25561	X-Small
NC25562	NC25563	Small
NC25564	NC25565	Medium
NC25566	NC25567	Large



North Coast Medical, Inc.  
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To be used under the guidance of a qualified medical professional.



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