

Orthoses are our passion

# **MEDIROYAL TONUS®**











## The function of TONUS™

The Mediroyal TONUS™ splint provides a unique treatment option with both stabilizing flexion of the wrist as well as providing dynamic extension to the wrist- and fingers in combination with supporting the MCP-arch. Patients with spasticity usually end up in a flexion pattern over the wrist and fingers that can further trigger spasticity. In order to reduce spasticity it's important to stabilize the wrist flexion and at the same time provide support over the MCP-arch to open the fingers and to provide constant and even stretch over the flexor tendons. This is an effective way to reduce tonus on the patient and to reach a long-term stretch that aims to make the stretch reflex in the muscle spool less hyper sensitive.

















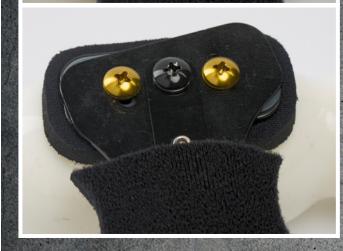


## **TONUS™** Rotation Adapter

The TON406 model has a rotation adapter built in to adjust ulnar- and radial deviation. This provides an opportunity to more specific extension stretch over affected flexor tendons and to compensate for ulnaror radial deviation. The adapter can be adjusted individually and then secured in place with the screw driver included.











C-Bladder TON407



## TONUS™ Two different bladder designs

There are two bladders designs available. The RGbladder provides a functional ring grip for the thumb. The C-bladder provides a larger circular support. Both designs provide a good support to the ulnar part of the arch that will adjust individually to the MCP arch when inflated.



## The TONUS™ Adapter

The bladder is mounted onto an adapter which makes it possible replace or switch bladders if needed. The adapter is protected by a bumper made from CR and is available in two sizes; Standard and Pediatric/ Geriatric.



## **Measurement Chart**

Measurement taken as the hand width over the MCP joints

Size	
mm	

Pediatric 45-90

Standard 90-130

Extra long 90-130



# The TONUS™ Splints are available in the following designs:

TON405-PL	Pediatric/Geriatric size ring grip bladder, Short platform, Left
TON405-PR	Pediatric/Geriatric size ring grip bladder, Short platform, Right
TON405-SL	Standard size ring grip bladder, Standard platform, Left
TON405-SR	Standard size ring grip bladder, Standard platform, Right
TON405-XL	Standard size ring grip bladder, Extra Long platform, Left
TON405-XR	Standard size ring grip bladder, Extra Long platform, Right

#### **TONUS™ RG Ring Grip, Rotation adapter**

Pediatric/Geriatric size ring grip bladder, Short platform with rotation adapter, Left
Pediatric/Geriatric size ring grip bladder, Short platform with rotation adapter, Right
Standard size ring grip bladder, Standard platform with rotation adapter, Left
Standard size ring grip bladder, Standard platform with rotation adapter, Right
Standard size ring grip bladder, Extra Long platform with rotation adapter, Left
Standard size ring grip bladder, Extra Long platform with rotation adapter, Right

#### TONUS™ C Circular Shape, Fixed Bladder

TON407-SL	Standard size Circular bladder, Standard platform, Left
TON407-SR	Standard size Circular bladder, Standard platform, Right
TON407-XL	Standard size Circular bladder, Extra Long platform, Left
TON407-XR	Standard size Circular bladder, Extra Long platform, Right

#### TONUS™ Replacement Covers – The TONUS™ Replacement Covers can be ordered separately:

#### TONUS™ Cover for RG – Ring Grip, Fixed Bladder

TON405-CPL	Pediatric/Geriatric size Cover,	
	Left for RG-platform	
TONIAGE CDD	Padiatric/Coriatric siza Cover	

TON405-CPR Pediatric/Geriatric size Cover, Right for RG-platform

TON405-CSL Standard size Cover, Left for RG-platform

TON405-CSR Standard size Cover, Right for RG-platform

TON405-CXL X-Long size Cover, Left for RG-platform

TON405-CXR X-Long size Cover, Right for RG-platform

#### TONUS™ Cover for RG – Ring Grip, Rotation Bladder

TON406-CPL	Pediatric/Geriatric size Cover, Left for RG-platform
TON406-CPR	Pediatric/Geriatric size Cover, Right for RG-platform
TON406-CSL	Standard size Cover, Left for RG-platform
TON406-CSR	Standard size Cover, Right for RG-platform
TON406-CXL	X-Long size Cover, Left for RG-platform
TON406-CXR	X-Long size Cover, Right for RG-platform

#### TONUS™ Cover for C –Circular Shape, Fixed Bladder

TON407-CSL	Standard size Cover, Left for C-platform
TON407-CSR	Standard size Cover, Right for C-platform
TON407-CXL	X-Long size Cover, Left for C-platform
TON407-CXR	X-Long size Cover, Right for C-platform

## TONUS™ Components – The TONUS™ Components can be bought separately for maintenance and updates:

TON490	TONUS™ Replacement Pump, blue
TON491	TONUS™ Bumper for adapter on TON405BS and TON407BS
TON491-P	TONUS™ Bumper for adapter on TON405BP
TON492-B	TONUS™ Replacement Screws/Plastic washer, for TON405/TON407
TON492-G	TONUS™ Replacement Screws/Plastic washer for TON406
TON493	TONUS™ Laundry bag
TON494	TONUS™ Screw Driver for TON406
TON405BP	TONUS™ RG-Bladder Pediatric/Geriatric with adapter, fits TON405/TON406
TON405BS	TONUS™ RG Bladder Standard/X-Long with Adapter, fits TON405/TON406
TON407BS	TONUS™ C-Bladder Standard/X-Long with adapter, fits TON407

Mediroyal TONUS™ **Hand Roll** 

The TONUS™ Hand Roll is excellent in assisting to open the fingers and reduce pressure over the palmar area. Patients that have been suffering from severe contractures for a long period of time will eventually have an increased risk for problems with volar hygiene and pressure problems in the volar area and the finger tips. This might lead to problems with skin breakdown and local wound infections. The TONUS™ Hand Roll can be used for both for pressure prevention as well as assisting finger extension. The reduction of spasticity is quite limited as the wrist joint is not stable. However the TONUS™ Hand Roll can be used together with a wrist brace in order to stabilize the wrist.

and then release the over-pressure with the black tip of the bladder the make it softer. The strap is used to anchor the hand roll to

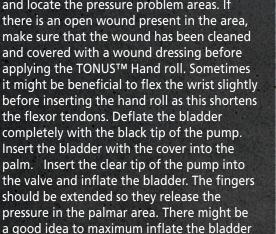
the wrist if spasticity fluctuates.











**Indications**: Spasticity, finger contractures and pressure problems over the fingers or in the palmar area.

#### TONUS™ Hand Roll – Available in a universal size in Left or Right version

TON403-L	TONUS™ Hand Roll, Standard size, Left
TON403-R	TONUS™ Hand Roll, Standard size, Right

#### Replacement covers are available and are sold separately

TON403-CL	TONUS™ Hand Roll Replacement cover, Standard size, Left
TON403-CR	TONUS™ Hand Roll Replacement cover, Standard size, Right



### **TONUS™** splint in combination with NRX® Strap

The NRX® Strap can be used in combination with the TONUS™ Spint to provide individual extension to a specific finger or supination assist. The NRX® Strap can easily be adjusted individually to the patient and secured on the splint by using the enclosed NRX® micro hooks. The NRX® Strap is available in different qualities.

For more information, visit www.mediroyal.se.







## **TONUS™** splint in combination with ErixThree® Neuro

The shoulder joint is the base joint for the upper extremity and its position influence the complete joint chain from shoulder to the finger joints. The shoulder joint position is important in order to reduce spasticity. ErixThree® Neuro has been designed to provide support to the shoulder joint and to provide a posterior safe position to reduce anterior subluxation. The ErixThree® Neuro can also be combined with the NRX® Strap for supination assist.

For more information, visit www.mediroyal.se.













© Mediroyal Nordic AB, 2018 TONUS™, NRX® and ErixThree® are trademarks of Mediroyal Nordic AB The TONUS™ design is patented in several countries under EP3269338A1, US20180014959A1

Orthoses are our passion



Mediroyal Nordic AB
Box 7052. Staffans väg 6B · SE-192 07 Sollentuna. Sweden info@mediroyal.se · www.mediroyal.se