



## Eltrac 471

Ideal for lumbar and  
cervical traction/continuous  
and intermittent traction



PARTNER FOR LIFE

# Eltrac 471

Whether it concerns the treatment of a hernia, degenerative discopathy, or a pinched nerve, spinal decompression provides a solution for prolonged symptoms of pain. Spinal decompression can be achieved in a variety of ways, but traction is one of the easiest and most effective methods. Traction therapy influences the pressure between the vertebrae. Because of the pressure decrease during traction, a mechanical effect on the nerves is generated and a biophysical effect on the circulation and oxygen supply to the local structures occurs. This can result in immediate pain relief, but also in a structural improvement in the long run.

The Eltrac 471 is your perfect assistant for traction therapy. The reliable Eltrac 471 has helped many patients for decades on end. This Eltrac 471 has now been improved. The Eltrac 471 is accurate, easy-to-use, real-time and safe!



# Eltrac 471

## Accurate

The new Eltrac is precise. The forces are exercised on the patient with ultimate precision. The tractive effort in the cord of the Eltrac 471 is constantly measured during traction. The control of the Eltrac compares the measured value to the set value. Any deviations are immediately corrected.

In traction therapy, not only accurate force is important, but also the speed with which the force increases or decreases is very essential. Other devices in the market can only give an indication of the speed. Speed is only estimated or expressed as a percentage of the motor capacity or a speed ratio. With the Eltrac 471 you can accurately set the motor speed (N/sec.), and the device will deliver just that. It will calculate precisely how long the treatment will take. And the full colour display will show exactly what you programmed and what is happening during treatment.

## Easy-to-use

The new Eltrac 471 is extremely easy-to-use thanks to the touch-screen and the intuitive interface. A clear and well-organised menu will assist you in making therapeutic choices. All essential information will be displayed. Not only while adjusting the settings for the therapy, but also during the therapy itself.

Moreover, the treatment protocols can be saved as well. Every possible combination can be added to the protocol library, even protocols that combine static and intermittent traction in a single session, which was never possible until recently! Static traction alone is often too painful for the patient, particularly in the acute phase when traction can prove to be so effective. In such cases, combining static and intermittent traction in a single session may be the ideal solution. And the new Eltrac 471 offers various forms to choose from in that respect, such as pro- and regressive, cyclic patterns or combinations of these.





## Eltrac 471

### Real-time

What you see on the clear and informative display is exactly what is taking place. No averaging later on, but rather real-time. This allows you to monitor the forces actually exercised in the course of the therapy, not a summarised representation, but the actual course. You can zoom and scroll through the visual representation of the treatment. This will also provide better insight into the course of the treatment session as a whole. You will be on top of what you need to know thanks to the real-time information.

### Safe

The Eltrac 471 by Enraf-Nonius is the safe and responsible choice. Not only because Enraf-Nonius has been supplying physiotherapists with equipment as early on as 1925, but also because we develop treatment equipment with the most advanced technology. The traditional equipment for traction is mainly characterised by controlled traction forces. In addition to the controlled contraction force, the new Eltrac 471 also offers clear real-time feedback, the option to save protocols and the user-friendliness that modern technology renders possible. In addition to the option to save your individual protocols, the Eltrac is of course also equipped with preprogrammed clinical protocols (evidence based!). This makes it extremely easy to adjust the settings of the equipment.

Forces above 200 Newton may jeopardize safety when performing cervical traction. Therefore, the Eltrac 471 has a built-in warning indicating when a treatment includes forces above this threshold.



# Eltrac 471

## Ergonomic design

A design that focusses on functionality and user-friendliness. Offering the therapist comprehensive insight and a clear interface. Offering the patient the most comfortable fixation method and a relaxed starting position.

## The new generation

The Eltrac by Enraf-Nonius is the newest generation of equipment for traction therapy. Thanks to the latest technological possibilities, the most advanced scientific insights and the many years of experience of Enraf-Nonius as developer of therapeutic equipment, you will be guaranteed of having the best equipment with the new Eltrac 471.

## Traction couch can also be used as treatment couch

The roller mounted section for traction can be easily locked in place. Your traction couch (type 916 and 926) converts into an ideal treatment couch in this way, adjustable in height and with an adjustable leg and head section.

## Easy-to-use

The new Eltrac is extremely easy-to-use thanks to the touch-screen and the intuitive interface. A clear and well-organised menu will assist you in making therapeutic choices. All essential information will be displayed. The graphic support with the zoom option and direct feedback is unsurpassed.

## Precise

The forces can be adjusted with the utmost precision. Not a percentage of the motor force, but in precise small steps of 1 N. or 10 N.



## Eltrac 471

### Programmed for speed

The menu structure is optimized to speed. In most cases you can start a pathology-specific treatment in just 3 steps! Easy, quick and simple.

### Roller mounted section

There is maximum comfort for the patient thanks to the roller mounted section. The roller-mounted surface prevents friction below the hips and legs, so that the full traction force set is actually applied in the vertebral treatment.

### Accurate

Feedback of the measured forces exercised and immediate correction of deviation where necessary. The device will accurately deliver the programmed forces at the desired speed.

### Made by Enraf-Nonius

Made by Enraf-Nonius and, therefore, safe, reliable and durable. A device made by Enraf-Nonius, THE supplier for the physiotherapist worldwide. Where quality, reliability and durability come as standard.

### Crystal clear TFT colour screen

A crystal clear, full colour and scratch resistant screen that allows full visibility on all parameters from all viewing angles.



# Eltrac 471

## Touch screen user interface

Easy to use by means of a clear menu via a touch screen interface. Extremely intuitive and as easy as a state-of-the-art smart phone.

## Traction couch with easy fixation

With fixation rails on both sides (type 916 and 926) as well as on the head section, the Manumed Traction offers a possibility to fixate the patient in any possible way. Traction belts and various Velcro straps can easily be attached. Fixation is an easy task on a Manumed Traction couch.

## Programmable

In addition to the standard treatment protocols, you can also save your personal protocols (including sequential applications) based on your own guidelines. Every conceivable combination - static, pro- and regressive, cyclic or intermittent can be stored as a personal favourite in this way.

## Flexistool for an ideal starting position during lumbar traction

The high-low adjustable flexistool renders it possible to exercise traction with an ideal starting position in which the hip-angle can be bent from 45 to 90 degrees.

Accurate, easy-to-use, real-time and safe



# Eltrac 471

## Areas of application of traction therapy



Pain reduction



Reduction of muscle tone



Increase of the range of motion  
and flexibility



Decrease of disc protrusion



Decompression of pinched nerves



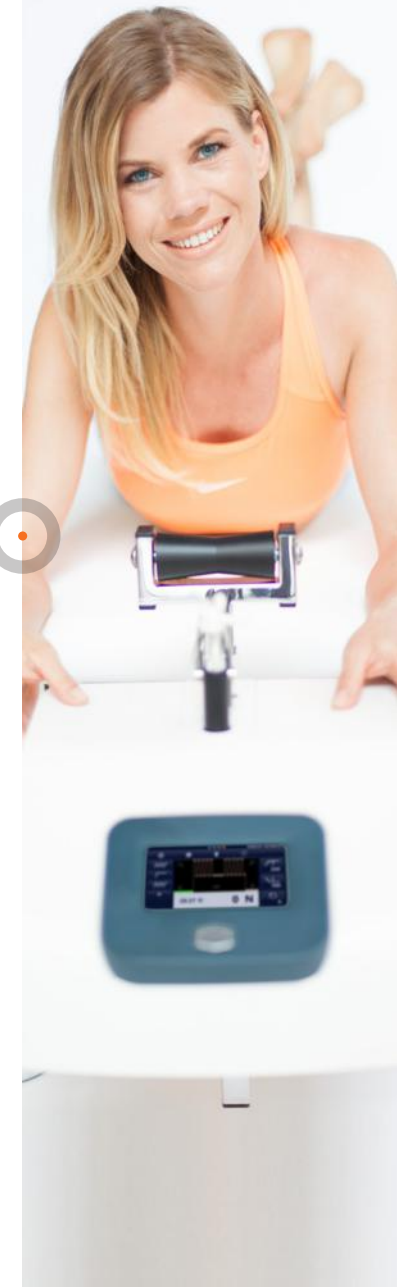
# Eltrac 471

1671901 Eltrac 471

## Standard accessories


- 1471806 Nylon cord 170 cm with carabine hook, for Eltrac 471
- 1471801 Fixing knobs, set of 4
- 1471800 Patient stop switch
- 1671757 Operating manual Eltrac 471 (CD-rom)
- 1671756 Information booklet Eltrac 471
- 3444290 Mains cable EUR

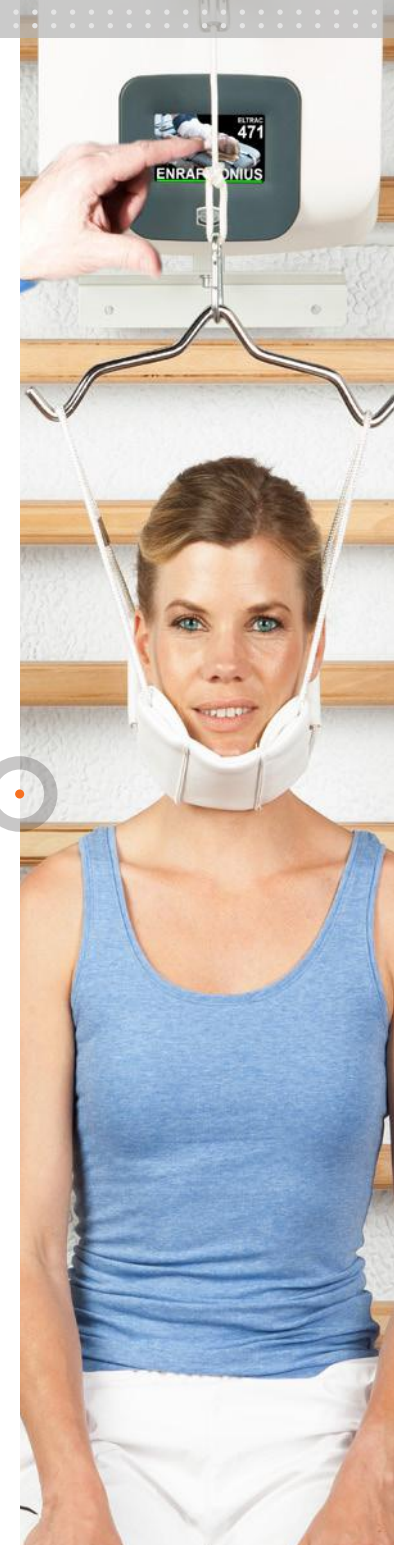
## ORDERING DATA



# Eltrac 471

## TECHNICAL SPECIFICATIONS

Form of therapy:	Static, Intermittent, Pro- and Regressive, Cyclic
Traction force:	15 - 900 N / 1.5 - 90 kg / 3.4 - 202 Lbs
Traction force / base force hold time:	1 sec. - 1 hour (1 sec. intervals)
Repeats (intermittent and cyclic):	1 - 100
Steps hold time (pro- and regressive):	1 sec.- 5 min. (1 sec. intervals)
Steps (pro- and regressive):	1 - 25
Speed (change of traction force):	1 - 50 N/sec. (1 N intervals) 0.1 - 5.0 kg/sec. 0.2 - 11.2 Lbs/sec.
Treatment time:	1 sec. - 150 min.
Programmable favorites:	100+
Clinical protocols:	Yes (3)
Sequential programming:	Yes (up to 5 forms of therapy)
Safety control	
for traction force above:	200 N / 20 kg / 45.2 Lbs
Touch screen:	4.3 inch, full colour, capacitive
Mains voltage:	100 - 240 V (50/60 Hz)
Max. power consumption:	50 VA
Dimensions:	30 x 34 x 22 cm
Weight:	10 kg
This is a medical device.	It complies with all applicable medical regulations. For more details please consult the instructions for use (downloadable via <a href="http://www.enraf-nonius.com">www.enraf-nonius.com</a> ). 



# Eltrac 471

- 5500926<sup>(1)</sup> Manumed Traction 4-section (type 926)<sup>(1)</sup>
- 5500916<sup>(1)</sup> Manumed Traction 4-section (type 916)<sup>(1)</sup>
- 3450500<sup>(1)</sup> Manumed Traction 2-section, back, fixed height (type 004)<sup>(1)</sup>
- xxxxxxx ManuXelect Traction<sup>(2)</sup>

## ACCESSORIES



5500926

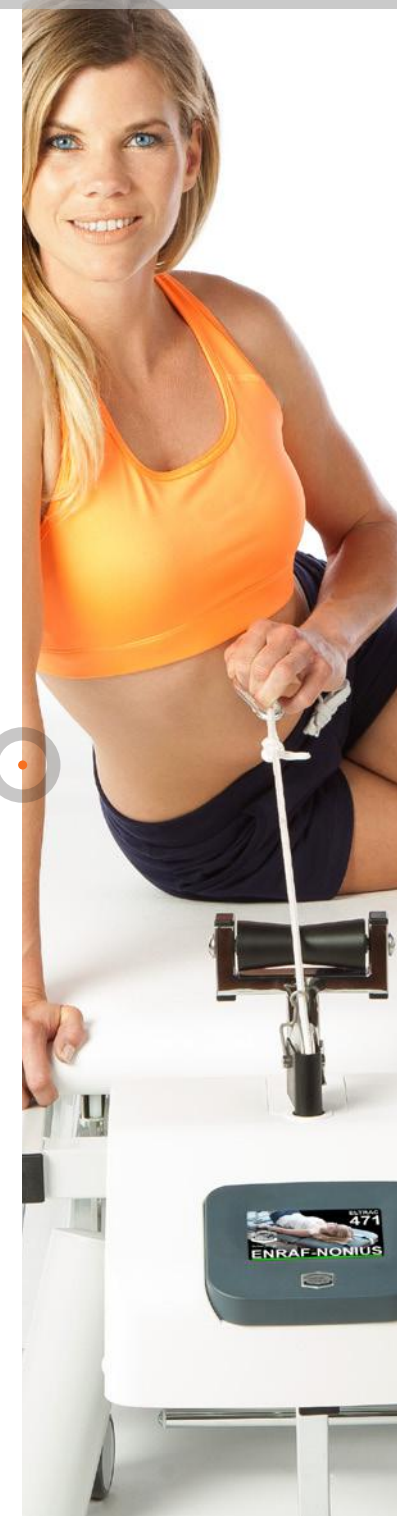
5500916



3450500



1471808



(1) = see our leaflet Manumed Traction for all options and accessories (download it from [www.enraf-nonius.com](http://www.enraf-nonius.com))  
(2) = see our leaflet ManuXelect for all options and accessories (download it from [www.enraf-nonius.com](http://www.enraf-nonius.com))

# Saunders clinical traction device

## ACCESSORIES

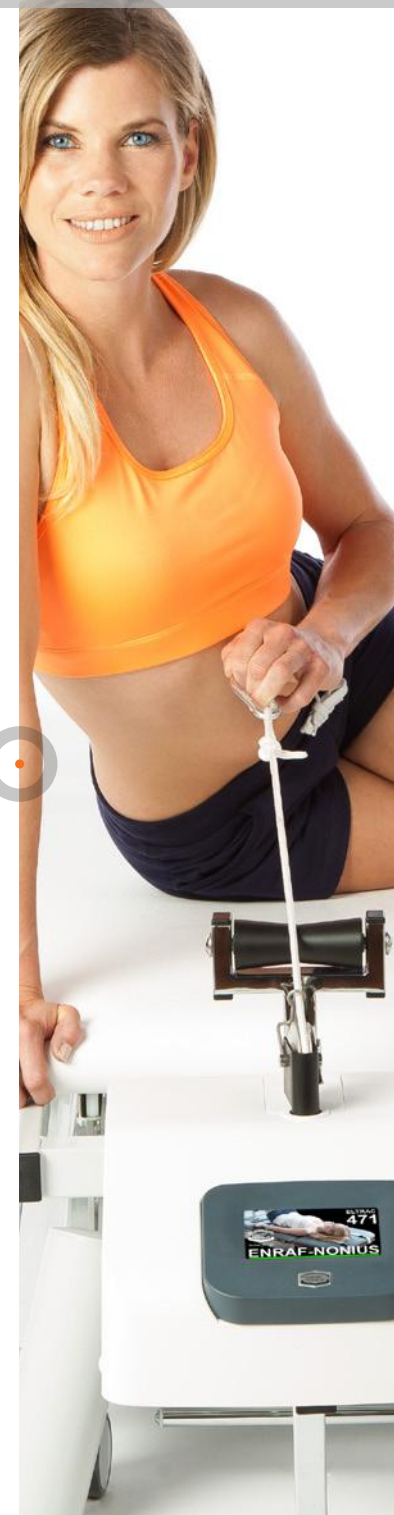
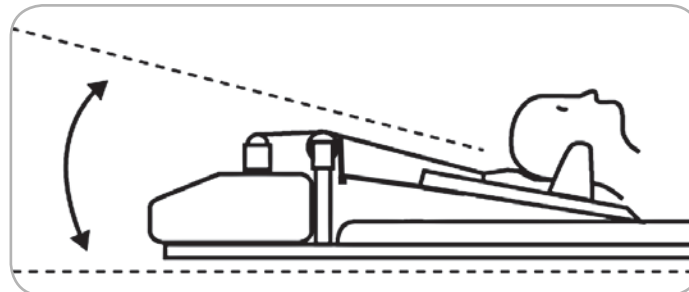
### Cervical traction with the Saunders clinical traction device

Cervical traction can be very effective in the treatment of cervical hernias that require widening of the neural foramen or stretching of the soft tissue in the cervical structure. The Saunders clinical traction device makes cervical traction simple and comfortable.

With the Saunders clinical traction device, the traction forces are directed towards the occiput. The forces are not applied to the chin, so there is no pressure on the temporomandibular joint. The Saunders clinical traction device can be adjusted to individual needs so each patient receives the maximum benefit.

The angle of the cervical traction is adjustable with the Saunders clinical traction device. This permits optimal traction as described in the literature.

The combination of the Eltrac 471 with an Enraf-Nonius traction table and the Saunders clinical traction device is the ideal solution for anyone who is looking for responsible, safe and comfortable cervical traction.





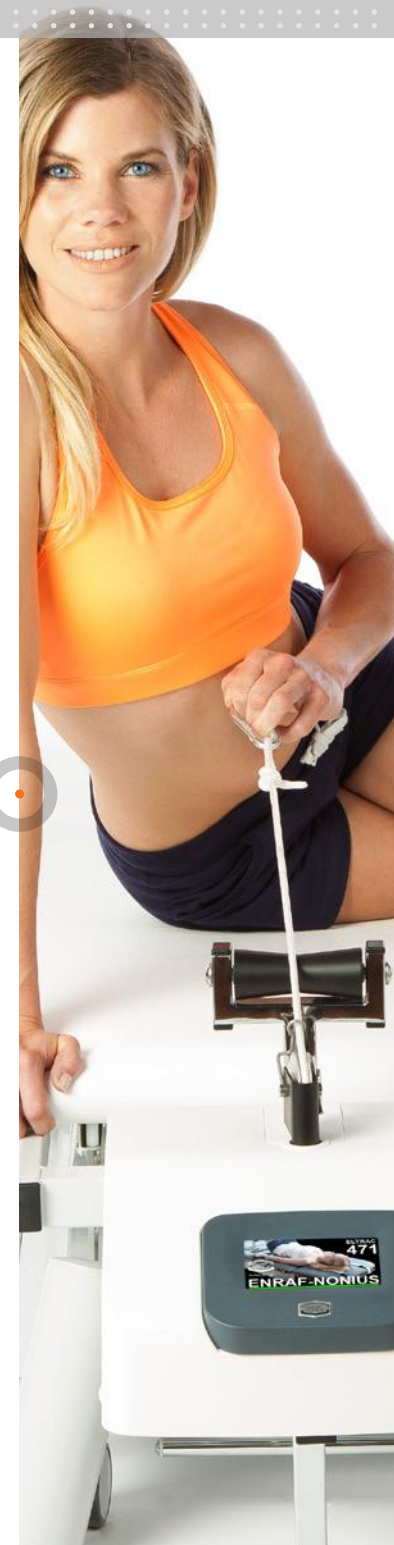
# Saunders clinical traction device

1471808 Saunders clinical traction device with mounting bracket



147808

## ACCESSORIES



# Eltrac 471

## ACCESSORIES

- 3xxx014 Flexistool with separate height adjustment for each leg, available in different colours
- 3447624 Padded neck harness, complete with spreader bar
- 1471802 Pulley for mobile traction frame (2 required)
- 3445022 Pelvic belt for Manumed Traction
- 3445021 Thoracic belt for Manumed Traction
- 3445512 Mobile traction frame for cervical Traction
- 1471805 Wall bar bracket, for mounting of Eltrac 471 to wall bars
- 3445038 Traction frame for Manumed Traction type 916 and 926 (430mm)
- 3445020 Traction frame for Manumed Traction type 004 (480mm)



3013014



3447624



3445512



1471802



3445022



3445021



1471805



3445038



3445020





## Eltrac 471



Ideal for lumbar and  
cervical traction/continuous  
and intermittent traction

Enraf-Nonius B.V. | Vareseweg 127 | 3047 AT Rotterdam | The Netherlands  
www.enraf-nonius.com | info@enraf-nonius.nl | + 31 - ( 0 ) 10 20 30 600



PARTNER FOR LIFE





## Manumed Traction

Traction and treatment  
with the very same couch



# Manumed Traction

For the application of lumbar and cervical traction therapy there is the Manumed Traction couch. The roller-mounted surface prevents friction below the hips and legs, so that the full traction force set is actually applied in the vertebral treatment.

The Manumed Traction is available in two variants: with a fixed or adjustable working height. The variable-height traction couch also doubles as an ideal treatment couch, because the rolling sections can be locked in place.



## Manumed Traction

- Rolling surfaces (can be locked in place)
- With mountings for the traction frame
- Fixation rails for belts come standard
- For use as a traction as well as a regular treatment couch

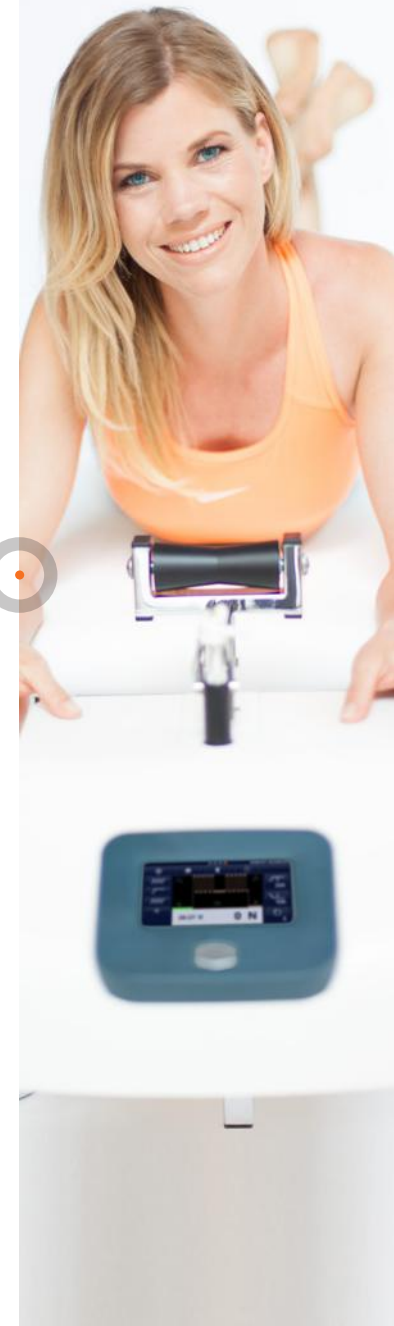
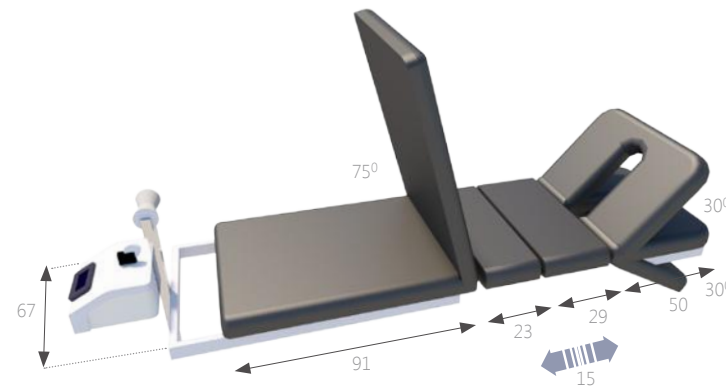


# Manumed Traction height adjustable

## ORDERING DATA

### Type

- 916 Manumed Traction, hydraulic H/L
- 926 Manumed Traction, electric H/L

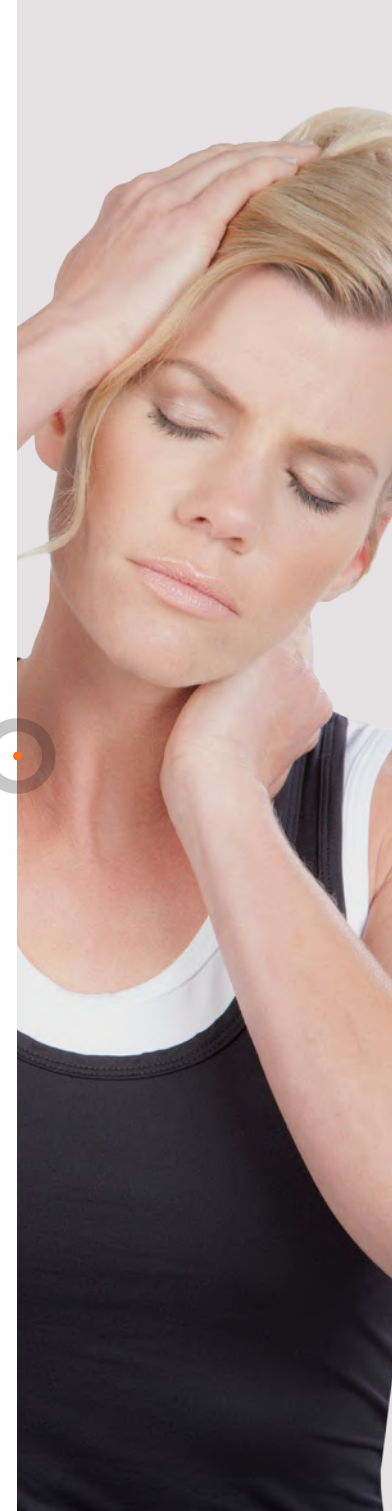
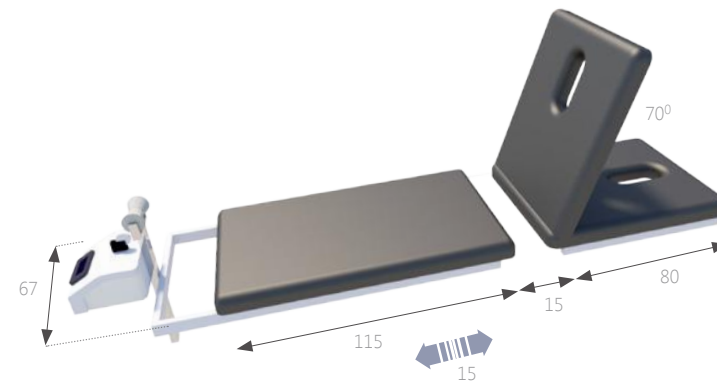


# Manumed Traction fixed height

## ORDERING DATA

### Type

004 Manumed Traction, fixed height





# Manumed Traction

## TECHNICAL SPECIFICATIONS

### Type 916 and 926

Size tabletop (lxw):	203 x 67 cm
Height adjustment:	45-95 cm
Lifting time (min.-max.):	approximately 18 sec.
Lifting capacity:	200 kg (electrical motor optional 250 kg)
Power supply:	120/230VAC 50/60 Hz
Current consumption:	2.0 A max.

### Type 004

Size tabletop (lxw):	195 x 67 cm
Height:	83 cm
Weight capacity:	150 kg

This is a medical device



It complies with all applicable medical regulations. For more details please consult the instructions for use (downloadable via [www.enraf-nonius.com](http://www.enraf-nonius.com)).



# Manumed Colours

## OPTIONS<sup>(1)</sup>

A matching Enraf-Nonius couch for every interior. As in other practices, a pleasant ambience is important in physiotherapy practices. Clients must feel comfortable in the room where they are being treated. As each practice is furnished differently and has its own colour scheme, we regard it as important for the treatment couches to fit in with your look and feel. That is why we can manufacture our treatment couches in several frame and upholstery colours. Our imitation leather upholstery contains no phthalates and is flame retardant – a unique combination that makes this material suitable for medical use!

### NATURAL

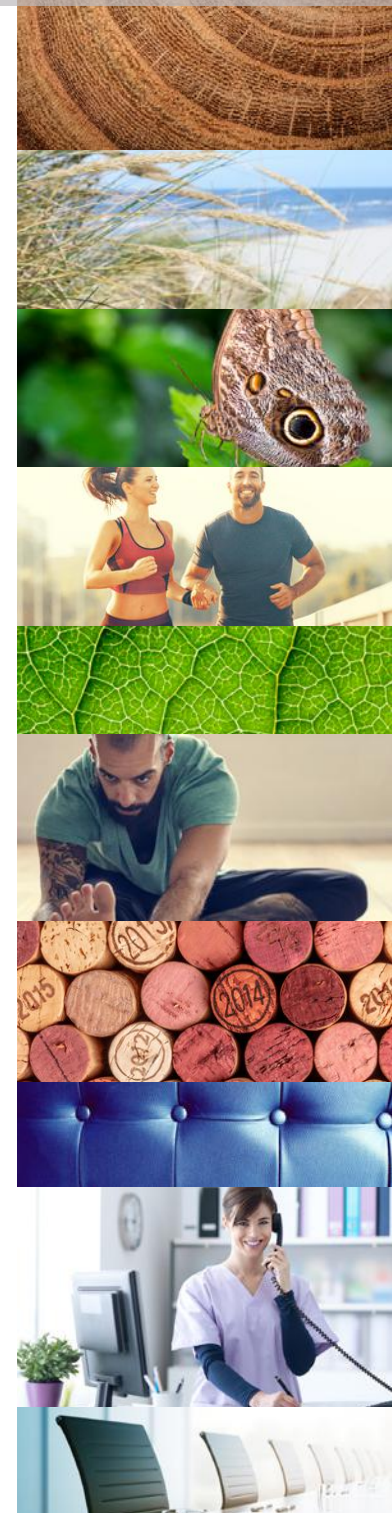
- 811 volcano black
- 850 walnut
- 851 sand
- 886 leaf
- 888 snow

### LIFESTYLE

- 410 anthracit
- 406 petrol
- 407 cherry
- 408 terracotta
- 409 skin

### EXECUTIVE

- 012 black
- 213 grey
- 199 lavender
- 204 sirius blue
- 169 cornflower blue
- 170 baby blue

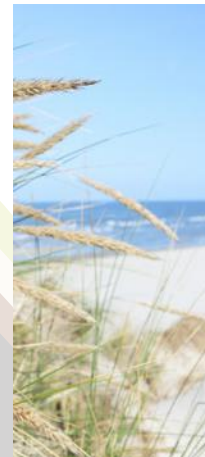


(1) = NOTE: Please order options together with the couch because of modification of the couch during production.



# Manumed Colours

## NATURAL



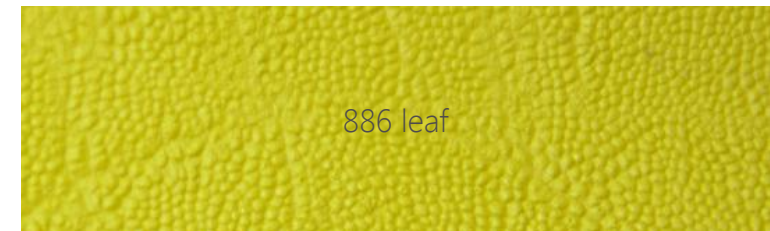
811 volcano black



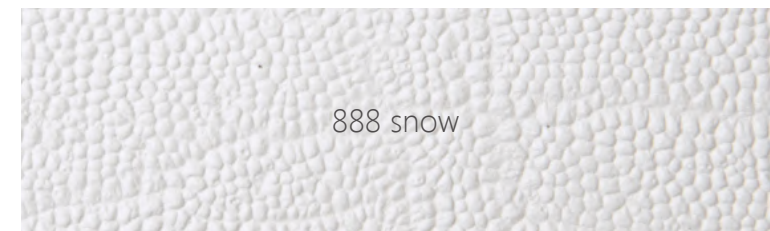
850 walnut



851 sand



886 leaf

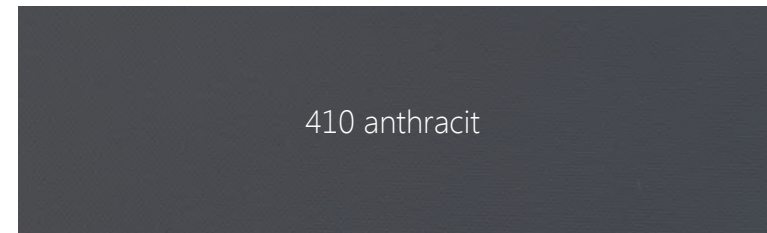


888 snow

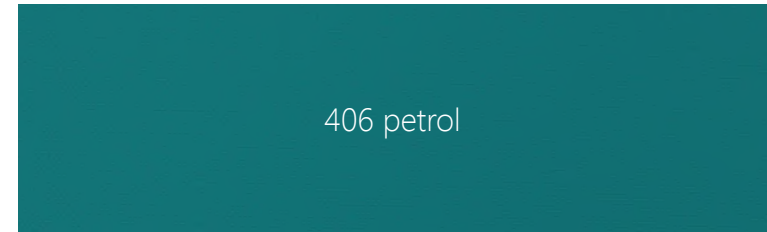


# Manumed Colours

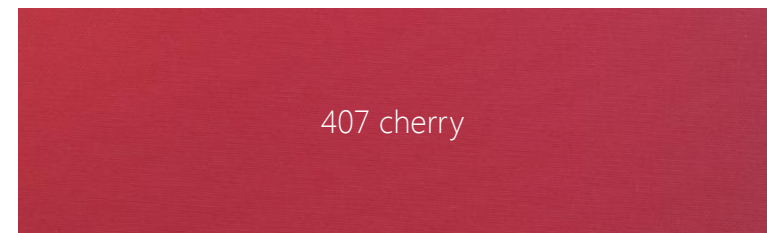
## LIFESTYLE



410 anthracit



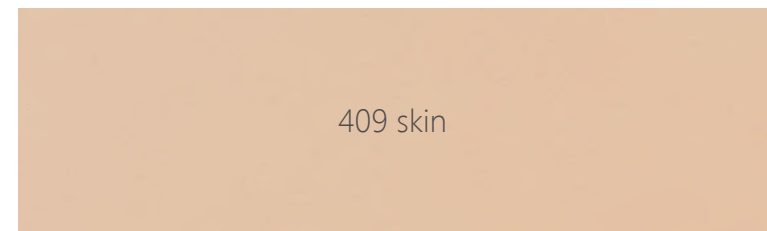
406 petrol



407 cherry



408 terracotta

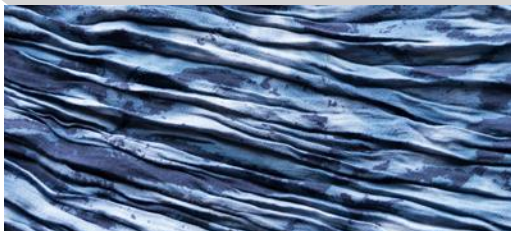


409 skin



# Manumed Colours

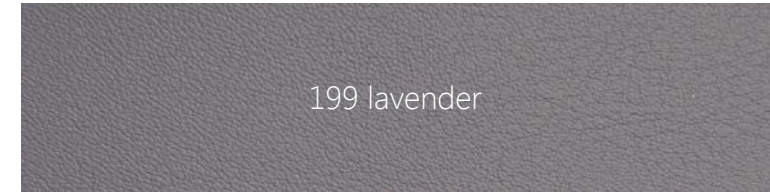
## EXECUTIVE



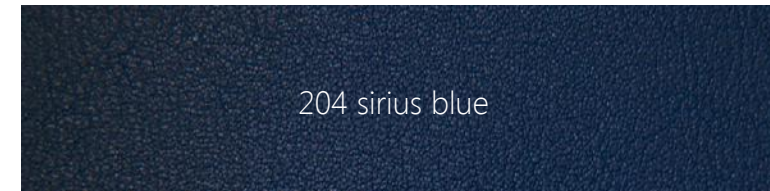
012 black



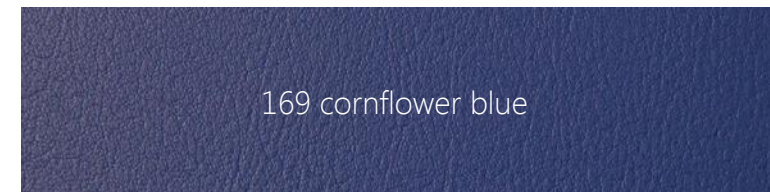
213 grey



199 lavender



204 sirius blue



169 cornflower blue



170 baby blue

# Manumed Traction

OPTIONS<sup>(1)</sup>

## Upholstery options

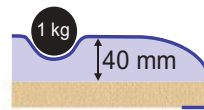
Section Width	Standard 4 cm thick	Rectangular shaped leg section
67 cm	s	s

s = standard



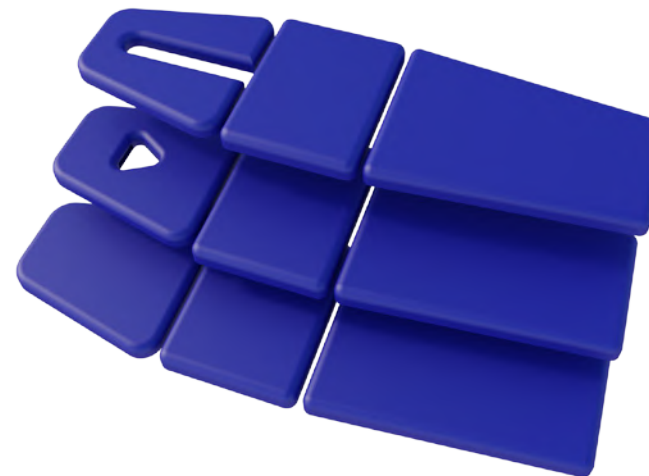
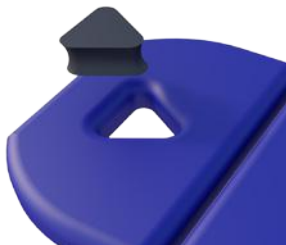
## Foam density:

Standard: 38 Kg/m<sup>3</sup>



## Nose-hole

- A. Oblong nose-hole including plug (standard)
- B. Triangular shaped nose-hole (optional) exluding plug, please order seperately 1550813
- C. No nose-hole (optional)



(1) = NOTE: Please order options together with the couch because of modification of the couch during production





# Manumed Traction

## OPTIONS<sup>(1)</sup>

### Height adjustment

- A. Hydraulic (916) Footswitch (standard)
- B. Electric (926) Footswitch (standard)
- C. Electric (926) All-around (optional)



A



B



C

### Lifting capacity

- A. Hydraulic - max. 200 kg (standard)
- B. Electric - max. 200 kg (standard)
- C. Electric - max 250 kg (optional)



A



B



C

(1) = NOTE: Please order options together with the couch because of modification of the couch during production

# Manumed Traction

## Paper roll holder and paper rolls

3445280 Paper roll stand (floor type) for 50 & 60 cm rolls

3445278 Paper roll, width 50 cm, roll-length 150 m, per 5 rolls

3445279 Paper roll, width 60 cm, roll-length 150 m, per 5 rolls



3445280



3445278 / 3445279

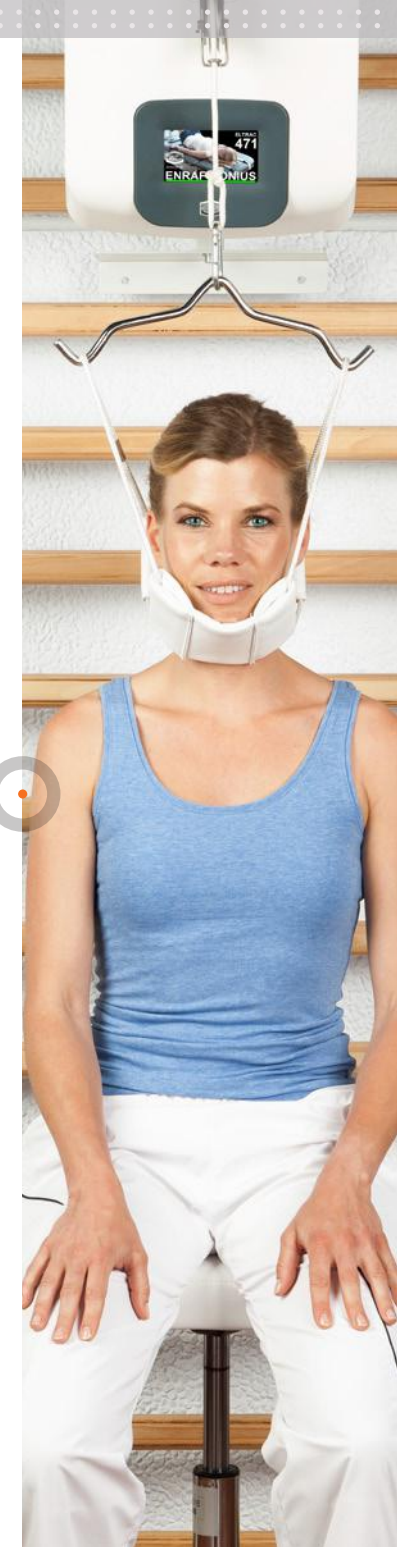
## ACCESSORIES

## Raising set

3450067 Raising set (30 mm)



3450067





# Manumed Traction

## ACCESSORIES

- 3xxx014 Flexistool grey, with separate height adjustment for each leg, available in different colours
- 3447624 Padded neck harness, complete with spreader bar
- 1471802 Pulley for mobile traction frame (2 required)
- 3445022 Pelvic belt for Manumed Traction
- 3445021 Thoracic belt for Manumed Traction



3xxx014



3447624



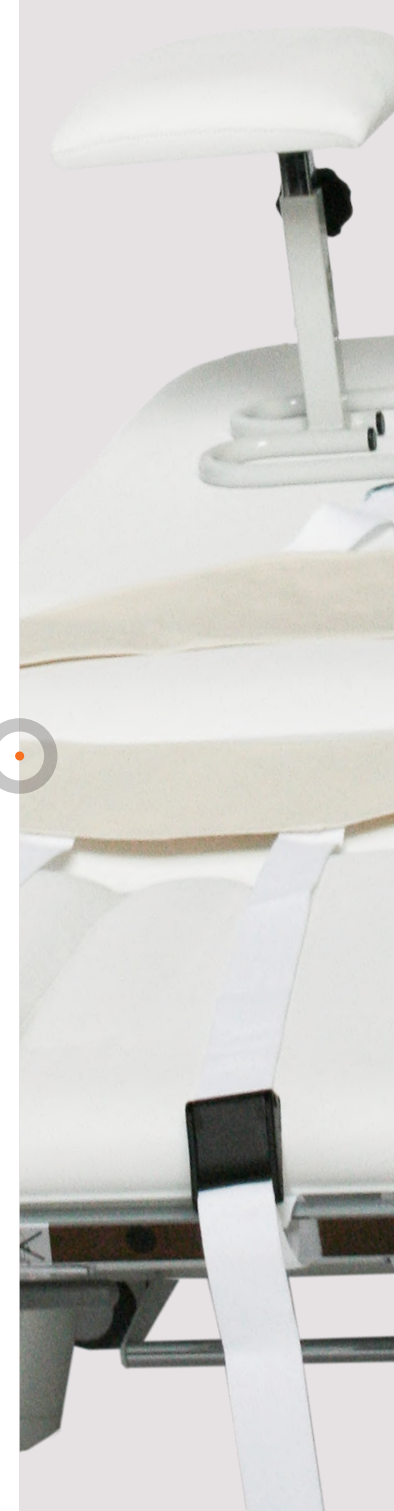
1471802



3445022



3445021



# Manumed Traction

- 3445512 Mobile traction frame for cervical traction<sup>(1)</sup>
- 1471805 Wall bar bracket, for mounting of Eltrac 471 to wall bars
- 3445038 Traction frame for Manumed Traction H/L (width 430mm)
- 3445020 Traction frame Manumed Traction type 004 <sup>(1)</sup> (width 480mm)<sup>(1)</sup>

# ACCESSORIES



3445512



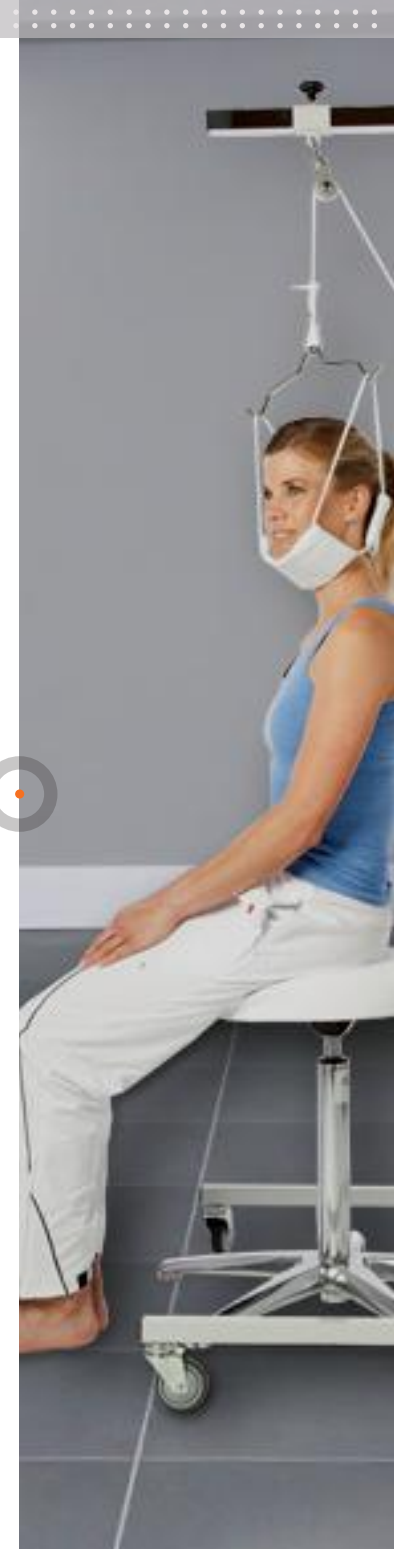
1471805



3445038



3445020



(1) = only for Manumed types 004 (Manumed Traction fixed height), 001 and 002 (Manumed Basic)

# Manumed Traction

## ACCESSORIES

### Fixation straps

- 3445006 Clamp for fitting straps (2 required)
- 3445023 Fixation strap with velcro fastener 120 cm
- 3445014 Fixation strap with velcro fastener 160 cm
- 3445015 Fixation strap with velcro fastener 240 cm
- 3445475 Fixation strap with safety lock 250 cm
- 3445474 Fixation strap with safety lock 350 cm



3445006



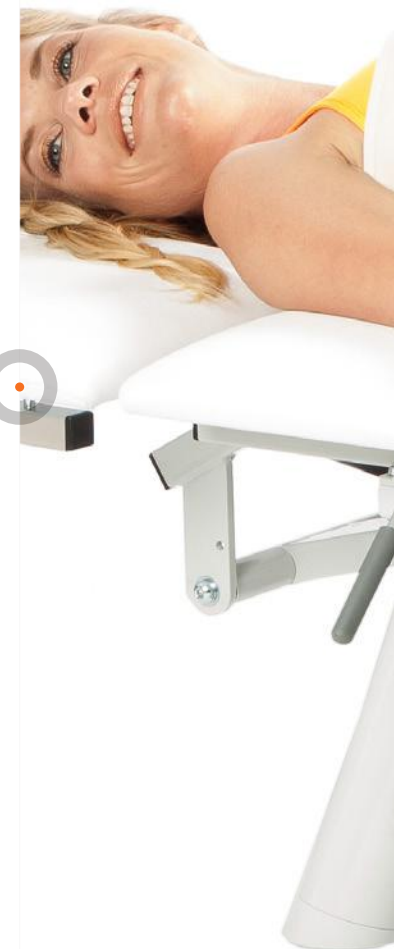
3445023



3445014 / 3445015



3445474 / 3445475



# Stools

- 3xxx010 Stool, height adjustable 40-53 cm
- 3xxx011 Stool, mobile, height adjustable 59-85 cm
- 3xxx012 Stool, mobile, provided with footrest, height adjustable 59-85 cm
- 3xxx013 Stool, mobile, anatomic seat, height adjustable 43-56 cm
- 3xxx020 Stool, mobile, saddle seat, height adjustable 59-85 cm



3xxx010



3xxx011



3xxx012



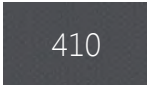
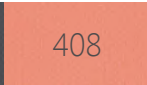
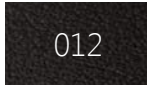
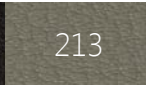


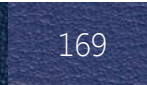



3xxx013

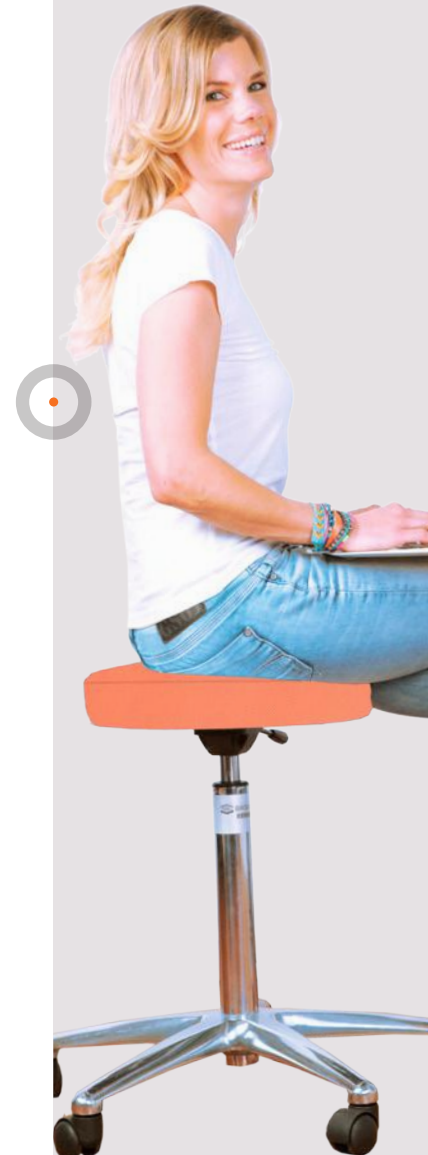


3xxx020

Available in all colours shown below

NATURAL	LIFESTYLE	EXECUTIVE
 <span>811</span>  <span>851</span>	 <span>410</span>  <span>408</span>	 <span>012</span>  <span>213</span>  <span>199</span>  <span>204</span>  <span>169</span>  <span>170</span>

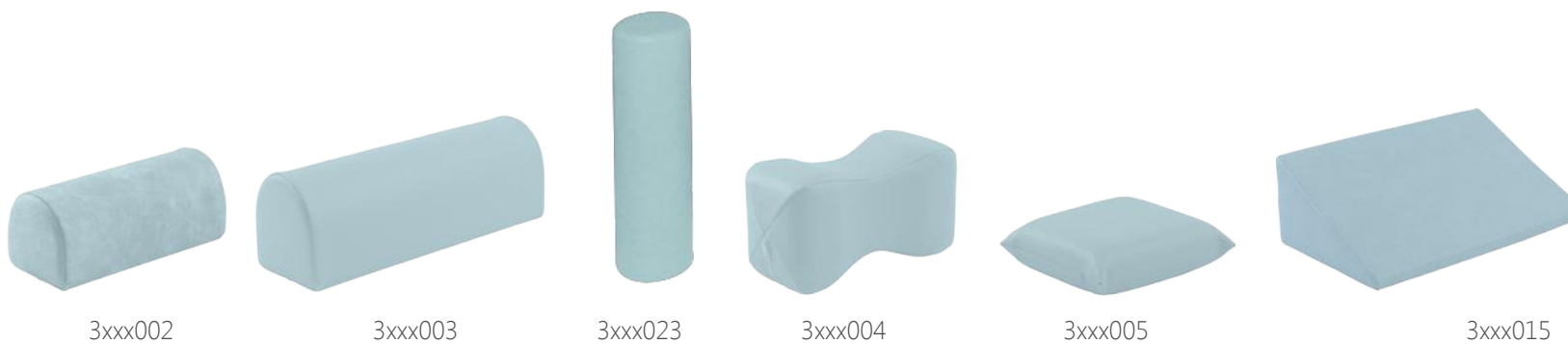
# ACCESSORIES





## Rolls and cushions

3xxx002	Halfroll, flat bottom, small, especially for the ankle	28x9x11 cm
3xxx003	Halfroll, flat bottom, large	56x16x18 cm
3xxx023	Massage roll	50x Ø15 cm
3xxx004	Neck cushion, hourglass type	30x15 cm
3xxx005	Massage cushion	30x28x8 cm
3xxx015	Wedge shaped cushion	50x30x15 cm



Available in all colours shown below

NATURAL		LIFESTYLE		EXECUTIVE					
811	851	410	408	012	213	199	204	169	170

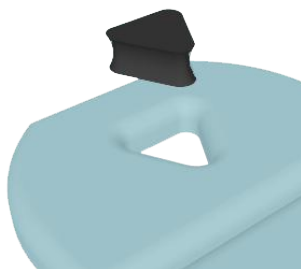
## ACCESSORIES



## Rolls and cushions

## ACCESSORIES

1550813	Plug for nosehole, triangular shaped <sup>(1)</sup>	16,5 x 21 cm
3445297	Wedge shaped, Kaltenborn, rubber model <sup>(1)</sup>	22,5 x 10,5 x 8,5 cm
3446161	Support bag with sand 1,2 kg <sup>(2)</sup>	15x25 cm
3446162	Support bag with sand 2 kg <sup>(2)</sup>	18x27 cm
3446166	Support bag with sand 4 kg <sup>(2)</sup>	25x35 cm
3446167	Support bag with sand 7 kg <sup>(2)</sup>	30x45 cm



1550813



3445297



3446161



3446162



3446166



3446167

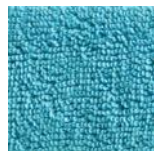
(1) = only available in black

(2) = only available in grey

# Couch covers

# ACCESSORIES

3445240	Couch cover, with a cutaway for the nose	blue
3445241	Couch cover, with a cutaway for the nose	bordeaux
3445242	Couch cover, with a cutaway for the nose	white
3445244	Couch cover, with a cutaway for the nose	jade
3445249	Couch cover, with a cutaway for the nose	dark grey
3445250	Couch cover, with a cutaway for the nose	royal blue
3445261	Couch cover, without a cutaway for the nose	blue
3445034	Couch cover, without a cutaway for the nose	bordeaux
3445267	Couch cover, without a cutaway for the nose	white
3445262	Couch cover, without a cutaway for the nose	jade
3445248	Couch cover, without a cutaway for the nose	dark grey
3445247	Couch cover, without a cutaway for the nose	royal blue
3445259	Elastic straps for couch cover with clip fittings at both ends, set of 3	



3445240  
3445261



3445241  
3445034



3445242  
3445267



3445244  
3445262



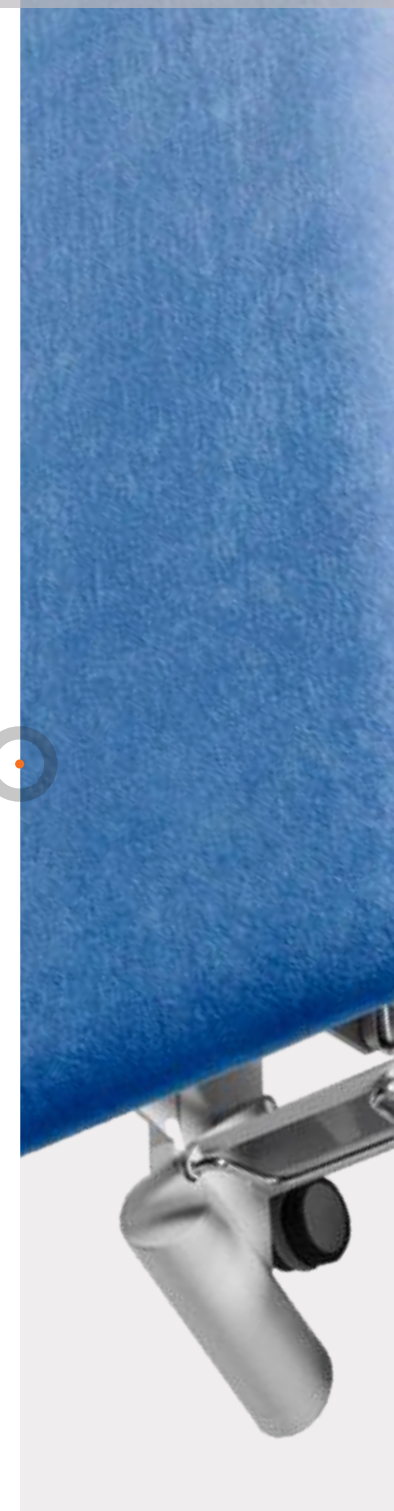
3445248  
3445249



3445247  
3445250



3445259







## Manumed Traction

Traction and treatment  
with the very same couch

Enraf-Nonius B.V. | Vareseweg 127 | 3047 AT Rotterdam | The Netherlands  
[www.enraf-nonus.com](http://www.enraf-nonus.com) | [info@enraf-nonus.nl](mailto:info@enraf-nonus.nl) | + 31 - ( 0 ) 10 20 30 600



PARTNER FOR LIFE