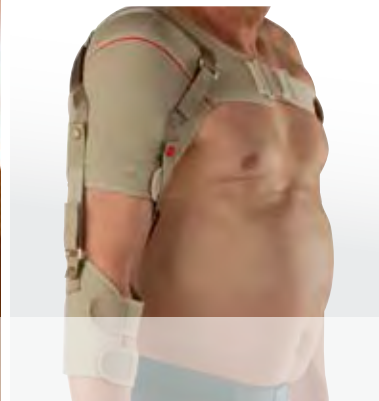


Otto Bock[®]

QUALITY FOR LIFE



Neurexa Line

Product Information



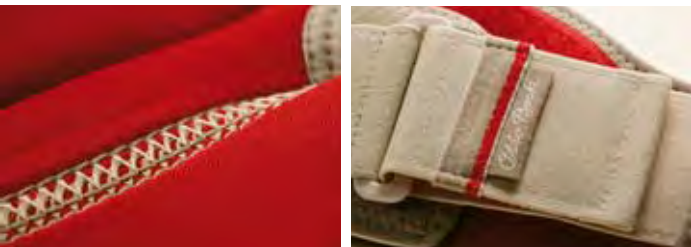


General information about stroke

A stroke can be defined as a lack of blood supply to the brain resulting in necrosis of neurons with consecutive loss of brain function. Typically a stroke is only classified as such when sensory or motor deficits persist longer than 24 hours.

Three months after the acute phase, one quarter of all patients remain seated in a wheel chair, two-thirds have a very slow and unstable gait and one third suffer from a total loss of arm function.

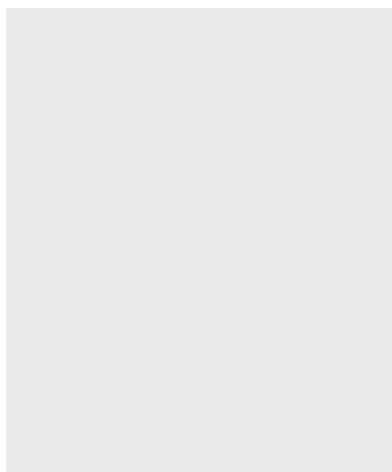
Neurexa Line



Neurexa Line is a new product line intended for the treatment of stroke patients. These products are developed in close collaboration with professionals; physicians and therapists to ensure both optimal function and wearing comfort. Neurexa Line is designed to be a functional tool in the rehabilitation process – all products facilitate active movement. The main focus in all stroke rehabilitation is to re-integrate affected people in to their social and professional environments.

Genu Neurexa

art.no 8165



Indications

Paresis of leg muscles resulting in knee hyperextension for example after stroke, lumbar disc herniation, peripheral nerve damage, etc.

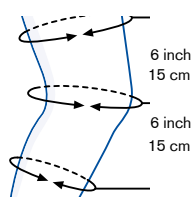
Effects

Genu Neurexa stabilises the knee; at the same time the patella is stabilised, hyperextension is prevented and collateral instability is reduced. All components together; lockable bilateral aluminum splints and inelastic crossed straps in the knee fold give, together with the large surface coverage, a mechanical stabilisation. A good effect on the proprioceptors is also obtained, which affect the sensorimotor system.

The user obtains good knee control at movement training; such as gait training, motion training from chair to bed, chair to toilet, etc. Genu Neurexa also provides the user with pain relief as it positions the patella and prevents involuntary movements in the knee; hyperextension and lateral movement.

Features

- A classical 3-point principal support created with inelastic straps and lockable splints
- The hinges permit restriction of extension and flexion in 10° intervals
- Full circumferential straps
- PCM® (Phase Change Material), a temperature regulating material that prevents heat build up, allowing long term use
- High wearer comfort due to material selection and strapping arrangement
- Wrap around model with the ability to fully open allowing easy application for the therapist, relative and user
- Machine washing at 40 °C (104 °F) is recommended



Size	Below centre of knee		Above centre of knee	
	cm	inch	cm	inch
XS	32 – 35	12.6 – 13.8	38 – 42	15.0 – 16.5
S	35 – 38	13.8 – 15.0	42 – 46	16.5 – 18.1
M	38 – 41	15.0 – 16.1	46 – 50	18.1 – 19.7
L	41 – 44	16.1 – 17.3	50 – 54	19.7 – 21.3
XL	44 – 48	17.3 – 18.9	54 – 58	21.3 – 22.8

Manu Neurexa

art.no 4165

Indications

Paresis of the forearm muscles resulting in weakness of the wrist for example after stroke, cervical disk herniation, cervical plexus injury, peripheral nerve damage.

Effects

Manu Neurexa supports the wrist in a functional/resting position. The orthosis reduces pain and due to its moderate length it facilitates movement training in the wrist.

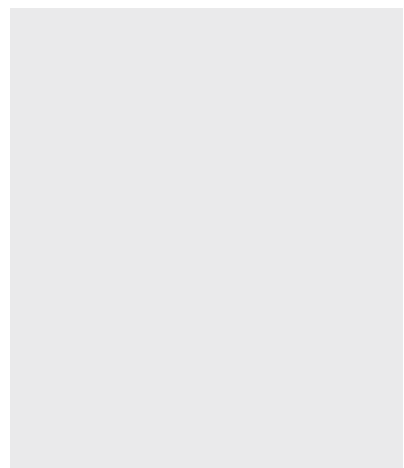
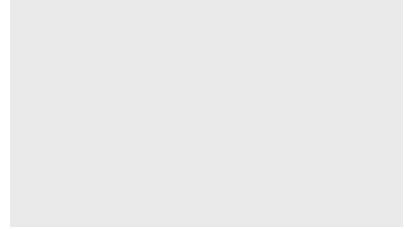
The wrist is protected against impacts as the person transfers to a wheelchair, between a wheelchair, bed or toilet, or at gait training. Awareness of the affected arm and hand can improve by use of the wrist orthosis.

Features

- The volar plastic splint is pre-shaped in an anatomically correct position and is also individually adaptable
- Two coil splints on the dorsal side provide stabilisation and also stimulate the wrists extension muscles
- PCM® (Phase Change Material), a temperature regulating material that prevents heat build up, allowing long term use
- Easy application due to the ability to fully open
- Large Velcro fastenings facilitates application and removal of the orthoses
- Machine washing at 40 °C (104 °F) is recommended



Size	cm	inches
XS-S	14 – 16	5.5 – 6.3
M-L	16 – 18,5	6.3 – 7.3
XL-XXL	18,5 – 22	7.3 – 8.7





Omo Neurexa

art.no 5065

Indication

Shoulder pain and dysfunction (including subluxation) for example after stroke, cervical disc herniation, peripheral nerve damage, etc.

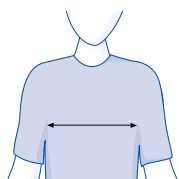
Effects

Omo Neurexa supports the shoulder by centering the humeral head of the upper arm, which is kept precisely inside the shoulder joint socket. The user's body posture and balance improve through enhanced sensorimotor control and support of the shoulder joint and arm. The user is able to concentrate more on walking instead of worrying about the affected area, hence the gait pattern is improved. The arm is also slightly outward rotated and extended in the orthoses which counteracts the development of the typical spastic pattern consisting of flexion with internal rotation. Stimulation of specific weakened muscles is possible by the use of additional silicon pads. Pain is often reduced and already developed subluxations can decline.

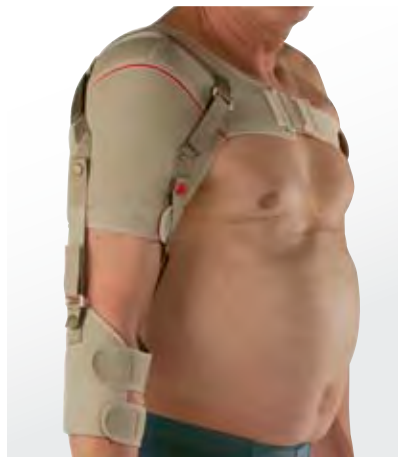
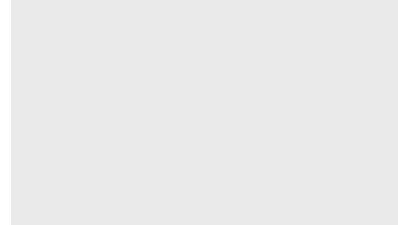
The orthosis influences the proprioceptors which positively affect the sensorimotor system.

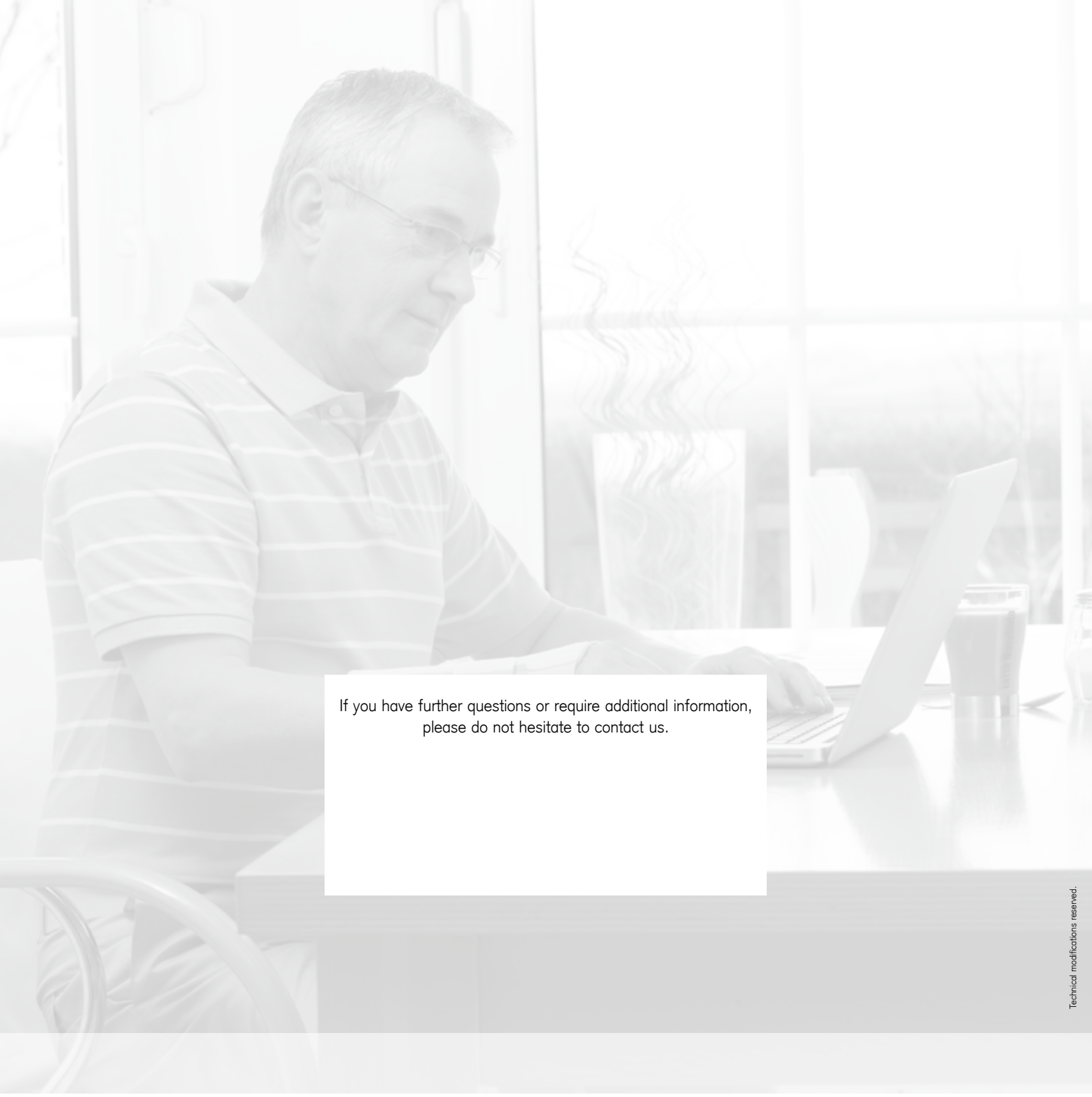
Features

- The large surface coverage influences the proprioceptors which has a positive effect on the sensorimotor system
- No requirement to remove during movement training on the shoulder and arm
- PCM® (Phase Change Material), a temperature regulating material that prevents heat build up, allowing long term use
- High user compliance due to the soft and comfortable material
- Soft edges means no chafe problems
- Different colour press buttons to simplify application
- Optional muscle stimulation pad in silicon
- Machine washing at 40 °C (104 °F) is recommended



Size	cm	inches
XS	79 – 86	31.1 – 33.9
S	87 – 94	34.3 – 37
M	95 – 102	37.4 – 40.2
L	103 – 110	40.6 – 43.3
XL	111 – 118	43.7 – 46.5





If you have further questions or require additional information,
please do not hesitate to contact us.

Otto Bock®

QUALITY FOR LIFE

Otto Bock HealthCare GmbH

Max-Näder-Straße 15 · 37115 Duderstadt/Germany · Phone +49 5527 848-1424 · Fax +49 5527-72330 · export@ottobock.de · www.ottobock.com