



Easily adjustable stabilisation with
maximum freedom for the head

Anatomic modular head support Papillon



- *Papillon: comfortable support*



- *The funnel-shaped design makes the head automatically return to the correct position*

Easily adjustable stabilisation with maximum freedom for the head

Papillon is a head support that helps people with decreased muscle strength, coordination disorders or contracture to stabilise their heads. The stabilisation of the head makes it easier to carry out all kinds of activities, reduces fatigue and delays progressive deforming. The head support is one of the so-called three-part systems: the type of support for people with significant posture problems. Among this product group, Papillon is the newest and most advanced version of these systems.

The head support has a basic design that can be easily expanded with additional features to meet individual needs. Papillon employs an innovative system that allows it to be adjusted with much less effort than existing systems. This high-tech system keeps the space between different parts to a minimum and thus prevents them from moving out of position. This

makes Papillon less vulnerable to the effects of incidents such as bumping against the head support. The product has a minimalist design, is lightweight and easy to clean.

For whom

Papillon is a head support that helps people to stabilise and rest their heads. At the same time, its funnel-shaped design

provides great freedom: it requires little effort to lift one's head out of the support, while the head is automatically returned to the correct support position when leaning back into the support. A large target group is formed by people with reduced muscle strength in the neck which makes it difficult for them to keep their heads up independently. Papillon helps



- *A regular head support only supports the backward and lateral movements*



- *Stabilisation of the head makes it easier to carry out all kinds of activities and reduces fatigue*

- *The side pads are positioned below the ear and do not press against any hearing aids or jewellery*

them to stabilise their heads. Other target users include people with coordination problems in need of soft stabilising protection that reduces the annoying uncontrolled movements made by their heads. Papillon also helps people with a contracture. The support provides them with improved options to ensure the most comfortable position of the head.

Support during activities

Due to the stabilisation of their heads, Papillon users are able to engage in various activities with much less difficulty than they would otherwise experience. By decreasing the effects of their limitations, users have an improved view, are able to swallow better, can talk more easily and can move their heads and torsos better. In addition, the impact of difficult circumstances is reduced. One example of this is driving. While driving, shaking movements occur continuously and passengers endure strong lateral forces when the car makes a turn. These are especially arduous circumstances for people with neck and head problems. The stabilising effect of Papillon will make the drive easier to endure again.

Reduced fatigue

People who use Papillon do not become fatigued as quickly. This is because the head support helps them to keep their heads up without the need to exert themselves all day. People with coordination disorders are helped by Papillon because it keeps their heads calm and still, thus reducing muscle fatigue and strain.

Prevention of further deforming

The stabilising effect of Papillon ensures that progressive deforming is delayed. For example, if a contracture becomes worse every year, Papillon may slow this negative development. This is the result

not only of the head support offered by Papillon, but also of the prolonged conditioning to which it subjects the muscles. In other words, the muscles are exercised day in, day out.





- Basic design with lateral support pads



- The system consists of high-precision components

Ergonomic basic design

The basic design of Papillon consists of two elongated, wave-shaped side pads, and a cushion in the back. The side pads provide support below the ear and to the lower side of the head. They provide the lateral support. The wave-shaped design guarantees high comfort. The side pads leave free the ear and do not press against any hearing aids or jewellery. The cushion in the back makes possible further support and stabilises backward movements. The basic design, which is somewhat reminiscent of the shape of a butterfly, embraces the head quite naturally and offers a soft and safe feeling. The standard cushions come in various sizes and there are plenty of expansions available. Examples include additional support pads (called side rests), a dynamic forehead strap, and switches for other operating aids.

Easily adjustable and high degree of stability

Papillon is very easily adjustable because of an innovative system. This system allows a part of Papillon to be adjusted in all directions using just one bolt. The system consists of high-precision components that are very solid and ensure that no unintentional shifting occurs when parts are tightened. In addition, the smallest possible amount of space between the different parts makes certain that they do not move out of position during use – as result of frequent shocks or bumping – but will remain in place relative to each other. Therefore, Papillon is reliable and reduces the number of incidents.

Extensive range

Papillon can be adjusted well to the individual needs of the user. The parts can be fine-tuned to many different positions and have a large range. They can also be installed asymmetrically without any difficulty. Moreover, Papillon can easily be

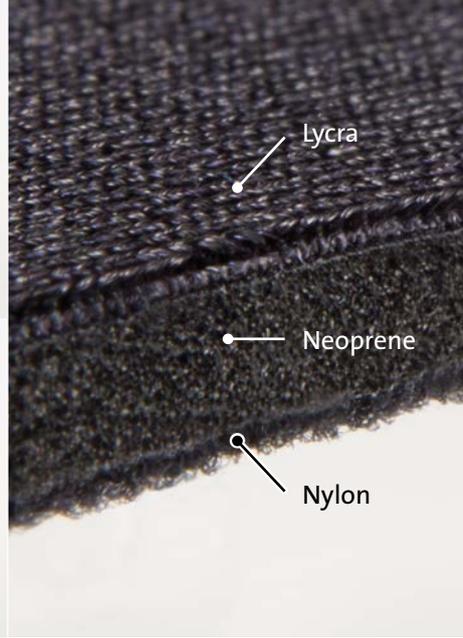
placed over the back of a wheelchair. For this purpose, the head support has a low attachment point which offers the best possible conditions for supporting the head. Consequently, the attachment point for the optional forehead strap is also located at an optimal location, keeping the strap stable on the forehead instead of sliding off.

Comfortable multilayered covers

Whereas the aluminium parts are responsible for the optimal positioning of the head, the covers prevent pressure and ensure a comfortable feel against the skin. The covers consist of three layers: lycra on the outside, a middle comfort zone composed of neoprene, and nylon on the inside. The nylon layer ensures that the covers do not shift relative to the underlying cushion, which would cause an unpleasant feeling. The lycra layer regulates moisture, repels skin oil, and is easy to clean. The comfort zone consists of a thick neoprene layer and ensures the comfortable soft feel.



- The components can be adjusted in all directions using just one bolt



• The parts have a large range

• Profile of the multilayered covers

The total effect of the multilayered covers of Papillon is that they reduce the risk of skin irritation and pressure marks.

Maximum reusability

Every part of Papillon is individually replaceable. This means that when a part is broken or dirty, only that specific part will need to be replaced. This reduces costs. Another advantage of the easy replaceability of the parts is that Papillon can be adjusted to the changing situation of a user. Many illnesses have physical consequences that change over time. For this reason, Papillon is flexible and can be modularly equipped and configured with a whole range of accessories. Not only can Papillon adapt to the varying requirements of the user, it can also adapt to new environmental factors, such as a new wheelchair. A wide range of head supports is available, allowing Papillon to be installed on virtually any wheelchair. Focal specialises in head supports and can always deliver customised products.

Beautiful, sanitary and environmentally friendly

Papillon has an elegant and minimalist design with few protruding parts. This makes the head support easy to clean. The cushion covers do not have zippers, fit perfectly and can be easily exchanged. The head support is made of aluminium, keeping it lightweight. Focal strongly believes that aids should not only be functional, but attractive-looking as well. Finally, all parts are 100% recyclable, which keeps the environmental imprint limited to a minimum.



• Papillon can easily be placed over the back of a wheelchair

Expansions

Specific users have specific limitations and requirements. The standard Papillon model can therefore be expanded with numerous features to better meet the personal needs of the user. Such features are provided based on individual advice from caregivers and Focal.

Side pads

The side pads provide support below the ear and to the lower side of the head. They are available in three sizes



Lateral support pads

The lateral support pads can correct the undesirable sideways bending of the head or reduce rotational movements. Papillon has an intuitive swing-away function which can be used to fold away or return the support pads with a simple push of a button. The pads are available in two sizes.



Cushion in the back

The cushion in the back offers backward support and is available in two sizes. Cushions can be mounted on two different heights.



Dynamic forehead strap

The forehead strap helps people to keep the head upright. The system is dynamic and therefore allows forward and rotational movements. The strap has an advantageous angle and the strap does not quickly become detached.



Switches

Papillon can be equipped with various types of switches. The switches are discreetly placed onto an extra tube and can therefore be used as head-operated switches in various positions. This tube is always swivellable.



Assembly system

The included assembly system enables Papillon to be properly attached to the wheelchair. The comprehensive selection of optional assembly systems offers many options for positioning and adjusting.



Examples:



- *Standard model*



- *Head support with dynamic forehead strap*



- *Head support with one lateral support pad*



- *Head support with two lateral support pads and dynamic forehead strap*



Head support carriers

Head support users may need extra functionality of Papillon. Focal has developed various carriers. For example, these carriers can adjust the head support electrically or control the wheelchair. Please refer to the product category 'Head support carriers' on our website www.focalmeditech.nl for more information.

Papillon, 100% made by Focal

After more than 20 years of experience in customising and installing head supports, Focal may rightfully call itself an expert in this field. Therefore, Focal decided to develop its own head support. Papillon has turned out to be the best in the world. The creation of this head support has brought about a huge leap in the quality of head supports and the capacities to solve more problems than ever before.

Papillon is the joint result of the expertise of rehabilitation professionals who put the wishes of the users first, of the Research and Development Department that comes up with intelligent mechanical solutions, and of the professional skills of our own workshop, where high-quality parts are produced with the greatest precision and submitted to constant quality control.

Installation and fine-tuning to the individual situation

The success of a head support largely depends on two factors: the head support itself and the fine-tuning of the head support to the individual situation. Focal has over twenty years of experience in installing head supports. During installation, our starting points are formed by the user and his/her pathology, the user's environment and the user's activities. The resources we have are: the three-part Papillon system, the expansions to control lateral, forward and backward movements, the use of a special head support carrier if necessary, and our ability to precisely determine the best possible position of all parts.

Installation and fine-tuning is a true art that can be done only on the basis of extensive professional experience. The result is a fully functioning head support and a satisfied user.

Papillon is a product of Focal Meditech BV. Patent on the product is pending.



Would you like to know more?

Watch the film and read more at www.focalmeditech.nl or call Focal Meditech at **+31 (0) 13 533 31 03**



Solutions for people with complex care needs

Focal Meditech BV is a developer, manufacturer and distributor of contemporary devices. Devices that can make life a little better for people with a disability. The product range primarily concerns the field of mechatronics.

Focal specialises in dynamic arm supports, eating aids, personal robots, special controls and tailor-made devices.

The products meet the highest standards of quality and are the result of a close collaboration between the R&D department and device users.

Focal Meditech® is a registered trademark of Focal Meditech BV.

Focal Meditech BV
Droogdokkeneiland 19, 5026 SP Tilburg
T +31 (0) 13 533 31 03 | F +31 (0) 13 533 50 04
info@focalmeditech.nl | www.focalmeditech.nl

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