

Prosthetics Lower Limb



IMPRINT

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History

- 1928** The Streifeneder firm is set up by Lilli and Friedrich Georg Streifeneder in Mannheim.
- 1929** The first patent is applied for.
- 1931** The property in Schöngesinger Straße in Fürstenfeldbruck is purchased.
- 1932** The first orthopaedic workshop is fitted out in Fürstenfeldbruck near Munich.
- 1945** Further orthopaedic workshops are set up to cater for war invalids.
- 1949** The orthopaedic workshop starts up at the Bad Tölz Hospital.
- 1953** The Munich site is opened. The wholesale business is expanded.
- 1968** The plastics, Streifylen and Streifylast, are launched along with the requisite heat sources.
- 1992** A production site is set up in Hungary to manufacture plastic products in small series.
- 1993** The Production and Distribution division expands further. Move to the new company premises in Emmering, just outside Munich.
- 1995** Export activities are stepped up.
- 1997** Takeover of Maschinen-Schmid, the world market leader in socket router machinery.

- 1998 The product range is extended by the Prosthetics product division.
- 1999 Traditional in-house production is extended and the product spectrum expanded by modular components.
"Everything from a single source" – with our very own department for workshop planning we can now help to realise our clients' wishes even better.
- 2001 The new site in Emmering is extended by further storage space to 6,000 sqm.
- 2004 Establishment of distribution structure in China.
- 2007 Streifeneder ortho production GmbH is set up as an independent subsidiary.
- 2009 Streifeneder ortho production GmbH exports to more than 100 countries.
Streifeneder ortho production GmbH wins the "red dot design award" for the knee joint KINEGEN.stream.
- 2010 A new building is purchased for Streifeneder ortho production GmbH in Emmering.
- 2011 Establishment of distribution structures in Latin America and India.
Relocation of Streifeneder ortho production to the new building with modern training and education-, logistics- and administration centre.
Foundation of Streifeneder Training Centre in Emmering.
- 2012 Grand opening of Streifeneder Training Centre, with focus on national and international markets.
Streifeneder ortho production GmbH wins the "red dot design award" for the therapeutic shoe Pluto.



Streifeneder
1932 in

Quality is our Claim

We are convinced that only constant technical innovation and development is the key to a steady improvement of products and optimal patient care. We apply high standards to be able to offer each of our clients exactly those high-quality products he requires. Each of our products is subject to a continuous quality planning, quality control, quality monitoring and quality improvement. In order to be able to satisfy even most individual customer requirements and also in order to close product-related gaps in the market, it is essential to have our own production series with large lot sizes, but to also offer products with very individual unit numbers.

Despite the rapid development of the export business within the last years and the opening up of new markets such as China, we still value Germany as our location to do business.

We are proud of the quality standard "Made in Germany" and even in times of a continuously increasing cost pressure and growing competition due to globalization, we still produce predominantly in Germany.



Quality management

Our experience of eighty years as well as the certified quality management system we introduced in 1998 according to EN ISO 13485 ensure quality of the highest level.

This quality management system is applied to all business divisions. Especially our product development division makes sure that the high level of quality is not only maintained but steadily increased. Thus, we ensure that we always meet the raising demands of our clients in terms of product development, manufacturing and safety.



Increasing globalisation and changing international security and safety conditions have motivated the World Customs Organisation (WCO) to draft a „Framework of Standards to Secure and Facilitate Global Trade“ (SAFE) to establish a global framework for modern and effective risk management of

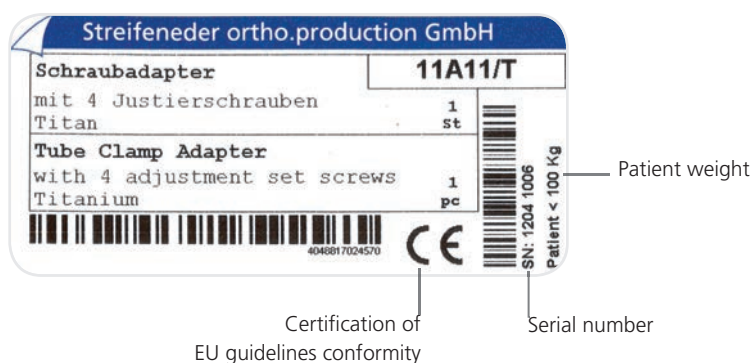
customs compliances. The aim is to guarantee the security and safety of a continual international supply chain from the product manufacturer to the end consumer. The concept of European Authorised Economic Operator is an EU Customs security programme that started in 2007 and recognises companies as reliable trade partners as they met the following common criteria: customs compliance, appropriate record-keeping, financial solvency and, where relevant, appropriate security and safety standards.

Streifeneder ortho production GmbH, as a globally operating company, has met the challenge and is proud to announce that it has been granted Authorised Economic Operator (AEO-F) certification by German customs in January, 2013, which officially regards the company as a reliable trade partner. The certificate number is DE AEO-F 115235.

Declaration of conformity

As manufacturer with sole responsibility, Streifeneder ortho production GmbH declares that the products referred to in this catalog conform to the requirements of the 93/42 EEC Guidelines concerning medical devices.

In order to comply with your documentation requirements, please paste the removable item labels of the products used onto the Streifeneder patient certificate and completely fill out the patient data. In case of a complaint, by means of this customer-/ patient documentation the compliance with all applicable technical guidelines for the alignment of a prostheses as well as the conformity with legal obligations due to the medical devices legislation can be documented.



Please use the detachable article labels to document the products used on the Streifeneder patient certificate. Please send the completely filled out certificate to Streifeneder ortho production GmbH in case of complaints and a possible use of warranty or guarantee claims for used goods.

Contacting us

Communication is a must in a working relationship. Your personal contact to our staff members in the internal sales department as well as our field service is the base of our successful collaboration.

It is our goal to react swiftly and efficiently to all of your wishes, to answer all of your questions and to keep all of the promises we make for our products.

Please contact us, we are looking forward to hearing from you!

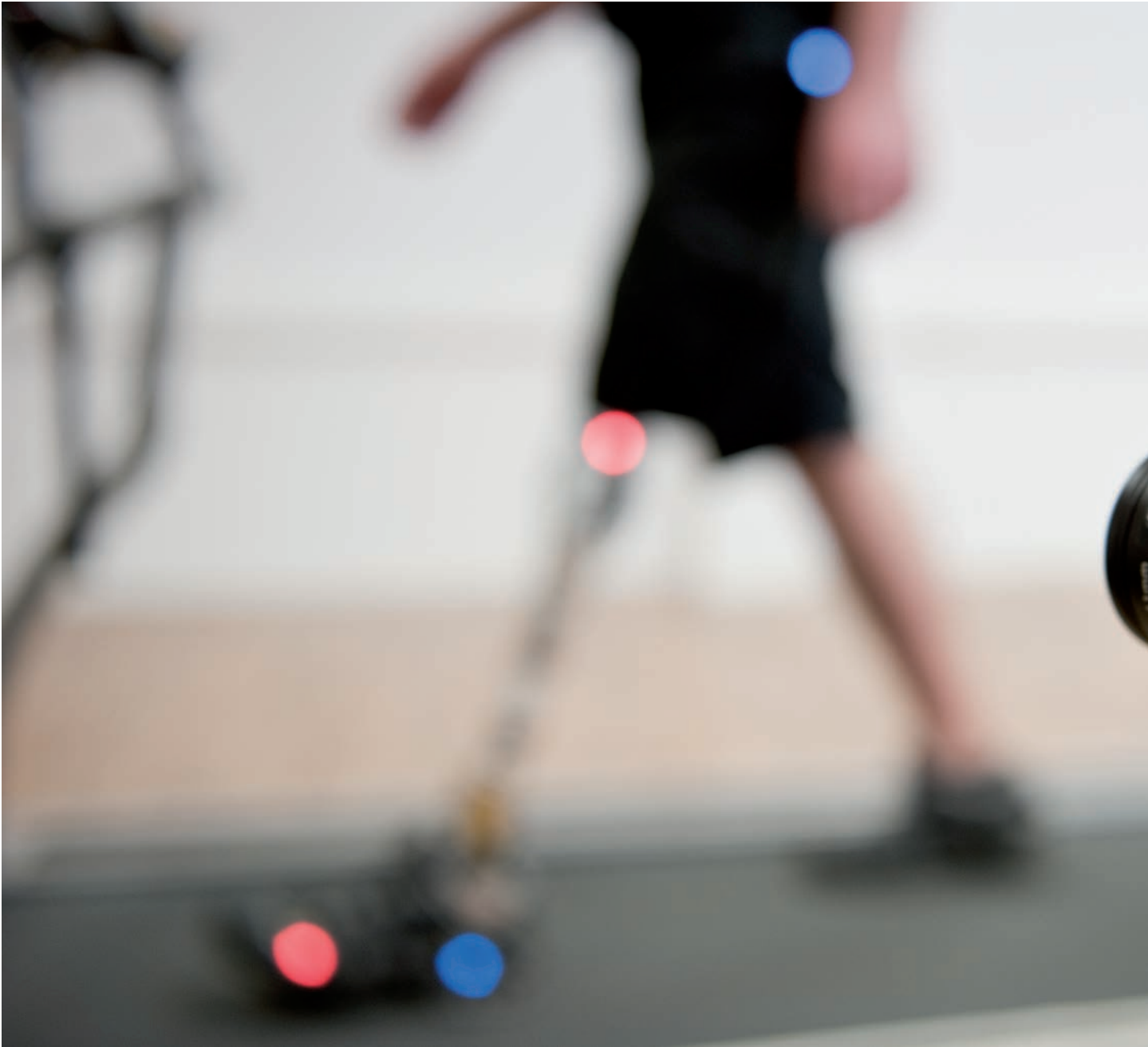


Via our general office switchboard at +49 8141 6106-0 your call will be directed to the staff member in charge. Of course, you can also send your request by email to office@streifeneder.de.

Development and Production

Experience technology, create technology, utilize technology - keep track of development and concentrate synergies. It is a vital part of our company's philosophy to continually optimize our operational procedures and production processes. This is why we define the economic growth of our company by our perpetual increase in production efficiency. The creativity, the commitment and the special professional skills of each of our members of staff, as well as our state-of-the-art production facilities are our guarantor for satisfied customers.

Our equipment in terms of up-to-date drawing programs (3D-CAD), simulation software (FEM-calculation) to the point of multi-axial machining centers helps our engineers and orthopaedic technicians to assure and further expand our market position.

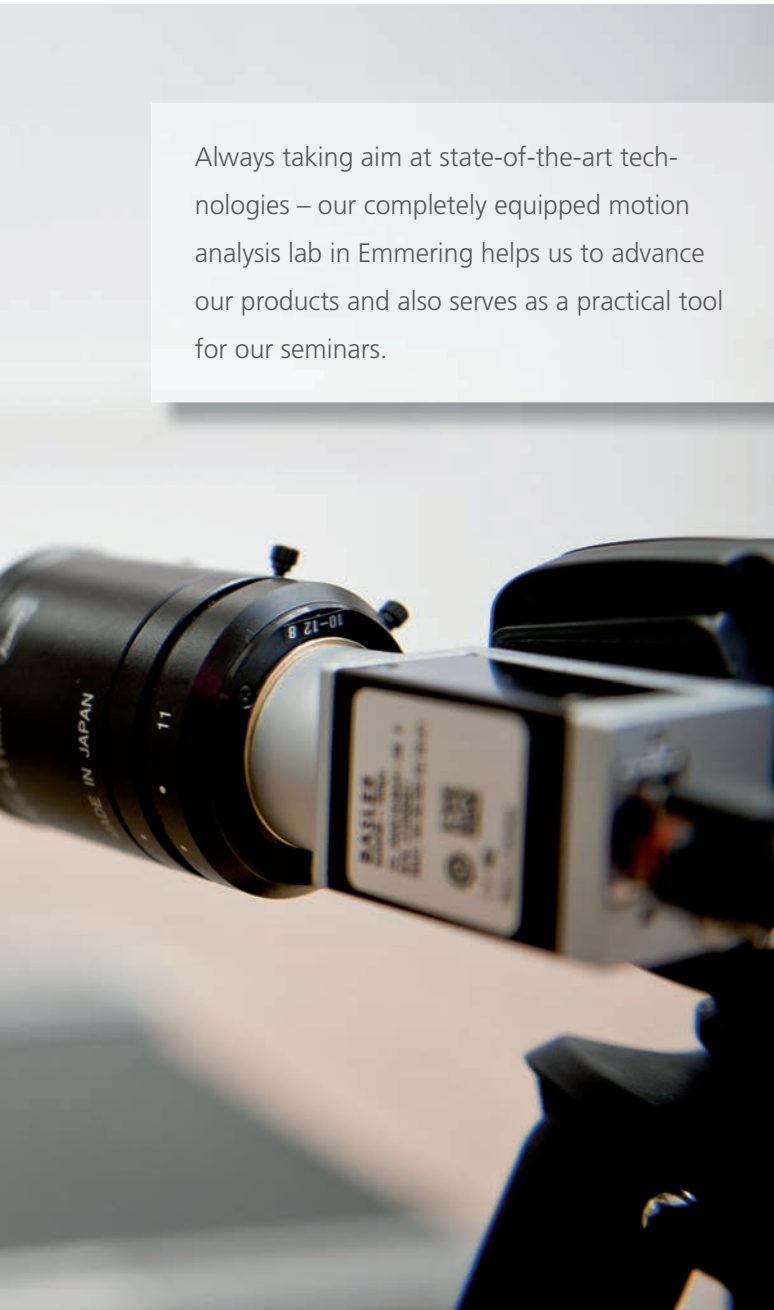


We subject ourselves and our products to highest quality standards. Therefore our products undergo constant internal quality testing in our own test stands and gait analysis systems. Therefore our customers receive exactly what they can expect from us – best quality and long-lasting products.

See the quality of our products and the comprehensive service that we have to offer for yourself!



Always taking aim at state-of-the-art technologies – our completely equipped motion analysis lab in Emmering helps us to advance our products and also serves as a practical tool for our seminars.



Streifeneder Training Centre

In order to stay competitive and in order to meet the growing requirements of the patients, it is no longer enough to just use high quality orthopaedic products. Profound practical skills on the basis of current scientific research and findings creates optimal conditions to always react competently and confidently in daily practice.

In order to convey valuable expertise as well as detailed knowledge to specialists in orthopaedic and orthopaedic shoe technology, we have originated the Streifeneder Training Centre in Emmering.

A spacious auditorium (AudiMax) with 160 seats and a fully equipped workshop with 15 work stations, a machine room as well as a patient fitting room and a plaster room on approx. 1.000 m² offer more than optimal conditions for a qualified advanced and continuous education on the highest level. Modern tools such as multimedia equipment, a fully equipped gait analysis laboratory, course materials and teaching aids that meet the demands of our clients are also part of our standards.

When it comes to personnel, our training center is optimally prepared, too. We have a team of highly qualified and dedicated staff members, who all come from an orthopaedic technology background and therefore as practitioners know direct patient contact very well. We guarantee for a continuously high teaching quality, which is safeguarded by the perpetual evaluation of our seminars and our speakers. Furthermore, all of our seminars are accredited according to their target group at either the Institute for quality assurance and certification (IQZ), the AGOS or at BLAeK (CME).





Our meticulously elaborated seminar program comprehends more than 50 events per year centered around topics such as silicone processing, pre-preg processing, synthetic materials, gait analysis or diabetic foot syndrome. With a flexible program planning on our part, we are also able to react to individual customer's wishes and to offer seminars about special subjects upon request.

In order to guarantee an array of seminars that is as broad as possible, e. g. about topics such as bio-mechanics or sensory integration, we regularly invite high-carat external guest lecturers to our Training Centre.

You can download our current Streifeneder seminar calendar with further information about all of our seminars from our website at www.streifeneder.de. Of course, we will also gladly send it to you by post or email. Please feel free to contact us at: schulungszentrum@streifeneder.de or by telephone +49 8141 6106-0. We are looking forward to hearing from you!



Walky System by Streifeneder

Walky – Includes weight categories.

Walky – Describes the degree of mobility in connection with the weight category of functional parts such as Prosthetic Feet, knee- and hip joints.

Walky – Simplifies the professional composition of functional parts in connection with structure fitting parts. The degree of mobility and weight category are easily recognizable for the orthopaedic technician and therefore guarantee an adequate patient fitting.

Walky – Corresponds to the profile survey sheet of the German Medical Service of Leading Associations of Healthcare Insurance Providers (MDS).

Walky 1



The patient has the capability to use a prostheses in order to walk on level floors at a steady step rhythm. He or she is the typical "indoor walker".

Therapy goal:

Restoration of the standing and of the walking capability limited to indoor areas.

Walky 2



The patient has the capability to overcome low environmental obstacles such as curbstones, single steps or uneven floors. He or she is the "outdoor walker".

Therapy goal:

Restoration of the standing capability and of the walking capability, which is unlimited indoors and limited outdoors.

Walky 3



The patient has the capability to move with a prosthesis at different walking speeds and to overcome almost all of the environmental obstacles. In addition, he or she carries out professional or therapeutic activities, which demand a use of the prostheses for more than just simple locomotion. He or she is the "unlimited outdoor walker".

Therapy goal:

Restoration of the standing capability as well as the walking capability, which is not limited indoors and only insignificantly limited outdoors.

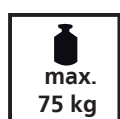
Walky 4



The patient has the capability to move with high or variable speed regularly. He or she is very active and lively. The use of the prostheses clearly exceeds the basic walking capability. Due to the high demands, the prostheses is put under increased impact load, stress exposure and deformation load. He or she is the "unlimited outdoor walker with particularly high demands".

Therapy goal:

Restoration of the standing capability and of the walking/ mobility capability, which is unlimited indoors as well as outdoors.



Weight category

The body weight as well as the weight of regularly or frequently carried loads determines in which weight category the patient should be placed.



The component with the lowest maximum (body) weight in the construction of a prostheses is decisive for the maximum load of the entire prosthesis.

ortho lab



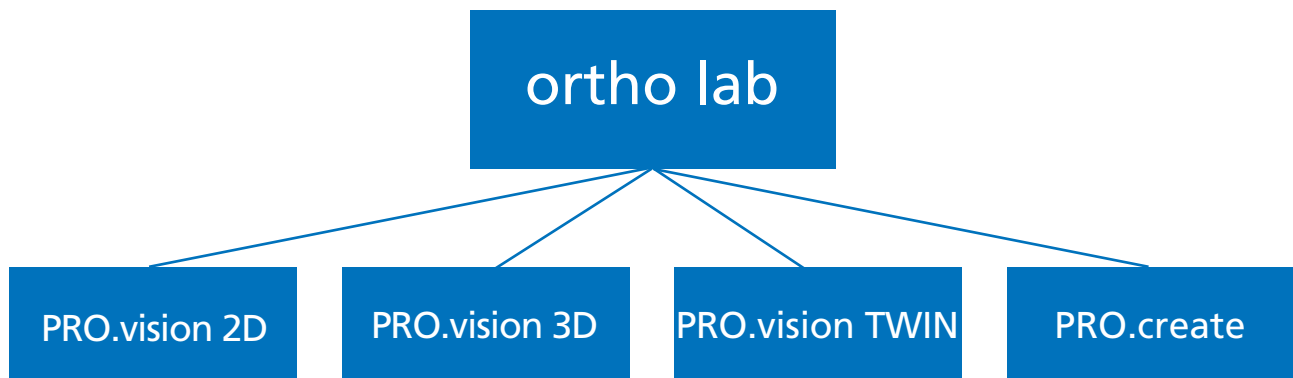
ortho lab – Experience Movement

Streifeneder ortho production GmbH presents a new dimension of patient supply with its new product division ortho lab. It stands for a concept of different software and hardware products, that concentrate on professional motion analysis. Streifeneder offers a comprehensive product portfolio starting from the motion analysis software PRO.vision to our prosthesis configurator PRO.create.

All of the elements of the ortho lab division are modern tools, that are meant to support the orthopaedic and the orthopaedic shoe technician as a utility and an instrument in their daily work. Below you will find an overview of the products that have been especially developed for the orthopaedic technician:

- Motion analysis system PRO.vision 2D as a complete package
- Motion analysis system PRO.vision 3D as a complete package
- Motion analysis software PRO.vision TWIN (data base and video administration system)
- Prosthesis configurator PRO.create





PRO.vision – the Motion Analysis System

With PRO.vision Streifeneder is able to present a novel system, that gives every orthopaedic technician and orthopaedic shoe technician easy access to gait analysis with a small effort and high benefit. Suitable for mobile use and extremely user-friendly, PRO.vision enables video-based gait analysis in real-time when the patient is walking, standing and running.

PRO.vision is based on a world-wide unique software which enables cameras to recognize coloured LED markers and to connect them using a special algorithm. The results are directly displayed as angles on your computer.

In orthopaedic technology the dynamic analysis of motion sequences during walking activities (e. g. with a prosthesis) has seldom been done on a video basis. The assessment of the gait pattern is rather done according to the trained eye of the orthopaedic and orthopaedic shoe technician. It is especially in these cases that PRO.vision is supposed to support the orthopaedic respectively the orthopaedic shoe technician, to study the gait cycle even more detailed and differentiated using the pictures taken by a high speed camera. The recorded data is collected, listed in detail and shown on the screen in a report, which can be saved as a PDF file. This offers the best possible case documentation not only for health insurances and related institutions, but also in order to discuss the results directly after the taping together with the patient.

Fields of Application

- Capturing of the gait pattern
- Comparison of motion sequences under a variety of conditions
- Support for orthoses fittings
- Determination of patient activity levels
- Prosthetic fittings and comparison of different structural and modular components
- Adjustment of prosthetic joints
- Direct comparison based on referential values of healthy walkers

Advantages

- Rapid and precise realization of dynamic 2D-gait analysis
- Real-time evaluation and direct biofeedback via motion sequence of the chosen joints
- Capturing of individual motion patterns
- "Before and after" analysis
- Optimal documentation for health insurances and related institutions regarding long-term changes



At Streifeneder, we always strive to increase the number of different prefabricated report forms. Upon request, we can also create those individually for you.

The provided reports consist of a sagittal left and right as well as a frontal left and right motion caption.

Contained in the report forms are:

- Complete patient data with the option to include additional information such as amputation side or current type of provisioning
- List of all minimum and maximum angles of foot, knee, hip and upper body
- Target values and actual values of all of the eight motion sequences according to RLANRC (Rancho Los Amigos National Rehabilitation Center, Los Angeles, USA)
- Graphic display of the angles for foot, knee and hip as compared to standard values



In order to offer you our best possible service, we would be glad to help you to pick out the suitable treadmill for your motion analysis lab.

- Are you looking for a treadmill with change of direction? Would you like an additional safety rail for the protection of your patients? Or do you prefer a slat-belt-treadmill? As a partner of renowned manufactures such as hp-cosmos or Woodway, upon your request we can offer you the treadmill that is optimally suited for your requirements.

Would you like to establish your professional motion analysis lab in a new building, a remodelled building or in your already existing premises? Streifeneder ortho production can provide you with optimal support already in your planning phase. Our experts can help you to draw a completely developed plan of your desired lab in 3D. From the very beginning, this will give you the opportunity to use the existing space in the best possible way and to optimally integrate an ortho lab system. This way, we can recognize potential difficulties (e. g. problems with space, positioning of the camera respectively of the treadmill, etc.) already at the beginning of the planning process and work with you on alternative solutions.

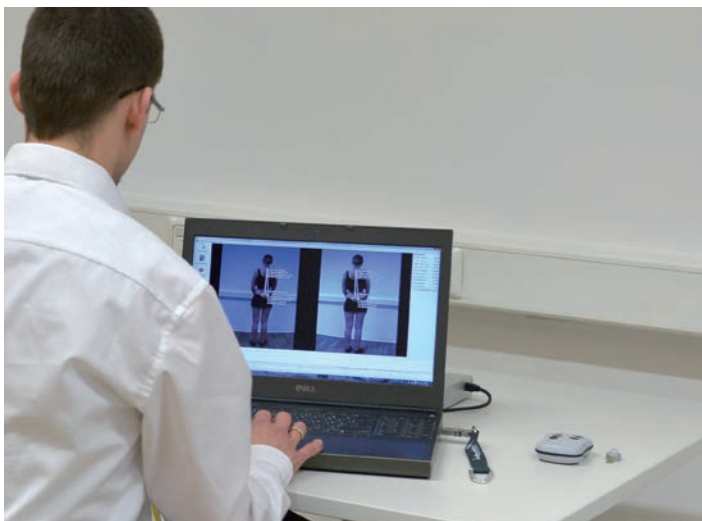
PRO.vision 3D - Motion Analysis System

Innovation in videobased motion analysis

With PRO.vision 3D (163P84), Streifeneder ortho production GmbH presents an innovative motion analysis system to measure dynamic rotations by 3D-technology (e.g. rotations of hip and spine). It uses two calibrated cameras to produce 3D-data. With this data, it is possible to measure parameters from different levels without having to use cameras in each level.

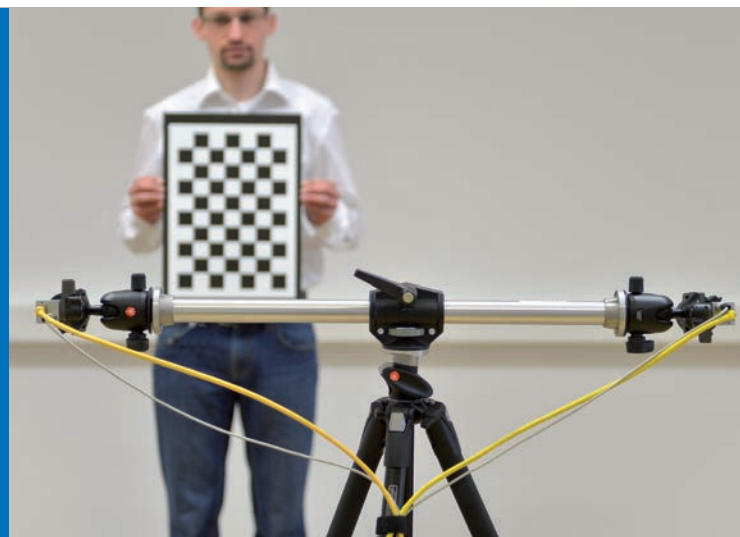
Fast and user-friendly

The measuring process is performed as with PRO.vision 2D. The only difference is that the cameras must be calibrated prior to measuring. This step is effected by means of a quick, new chess board calibration; causing live-equalization of the edge regions of the camera image. It is possible to upgrade PRO.vision 2D to 3D. PRO.vision 3D is portable, very user-friendly and also also usable as 2D-system.



Benefits

- Fastest system in the market (marker recognition)
- Only system worldwide with simple measuring of dynamic rotations by 3D-technology
- Quick, new chess board calibration
- Quick and simple connection of high-speed cameras (up to 120 images/second)
- 3D/4D-spine analysis (4D-technology: 3D and temporal component)



PRO.vision TWIN – the Motion Analysis Software

PRO.vision TWIN (163P82) is a database and video storage system, which is delivered as a software version. With PRO.vision TWIN you have the opportunity to analyze videos, that you have recorded yourself either with a simple camcorder or with one or several high speed cameras.

PRO.vision TWIN is both our entry level version analysis software and a complement to PRO.vision (163P80). While the PRO.vision software actively follows the markers, PRO.vision TWIN analyzes single pictures from an existing video.

The user can choose between a variety of tools for the analysis:

- Database for capture and storage of videos as well as customer data, case histories, measuring data, video recordings and reports
- Creation of individual automatic reports (via own MS Word template)
- Video editing: different measurement functions and drawing tools, like for example zooming, shifting and turning a video; static and dynamic stroboscope; editing videos and condense them; video overlapping (mix); video panels (split)

PRO.vision TWIN (163P82) can be operated on any computer (system requirements: Pentium IV > 2GHz, 1 hard drive > 40 GB (min. 7200 Upm), 512 MB RAM, Windows Vista, 7). We recommend the amplification with the PRO.vision TWIN Highspeed update (163P82/E), in order to record a motion sequence with high-speed cameras.

For further amplification we also recommend the system notebook ortho lab (163P80/11), since it is tailored to fit the respective requirements. Upon request, we can also configure a work station for the simultaneous recording with several cameras.



PRO.create – the Prosthesis Configurator

The PRO.create system enables the virtual composition of a prosthesis directly on your computer screen. After entering predefined measurements for a prosthesis, the software will generate a list with all possible components from our range of products.

Starting with the data of the amputee to the choice of components up to placing the order, this system efficiently supports the orthopaedic technician in his work.

You can download PRO.create in english using the following link: www.streifeneder.de

The first window is used for entering the amputee's data. You can also create notes with regard to the amputee here. If needed, you can simply call up any already configured prosthesis again.

In the next window you can enter the data with regard to the amputation. Based on these facts (kind of amputation, activity level, overall heights), you will automatically be asked to choose from the matching components.

Now you can choose the respective components. The prostheses will be aligned simultaneously in a window on the side.

At the end of the configuration an order form will be automatically created, that you can directly sent to Streifeneder ortho production via email to receive a corresponding offer.



PRO.vision 2D

Motion Analysis System

PRO.vision Motion Analysis System 2D, contains all components necessary for motion analysis:

- software PRO.vision 2D with USB hardlock-dongle for recordings, analysis and documentation of gait- and motion data
- system note book ortho lab (163P80/11) for processing camera recordings of 100 fps (pictures per second)
- camera body ortho lab 100 (163P80/1) with lens ortho lab 100 (163P80/3) and tripod base for camera ortho lab 100 (163P80/6)
- camera tripod ortho lab 2D (163P80/7)
- network cable ortho lab 20 m (163P80/8) for connection of the cameras
- network switch ortho lab 4-4 (163P80/4) supplies up to 4 cameras with electricity and transfers the picture data via network cable ortho lab 20 m to the system note book ortho lab
- remote control ortho lab (163P80/15), controls the white, red, blue and green LED active markers ortho lab (163P80/14)
- adhesive rings ortho lab (163P80/9) for attaching the LED active markers to the test person's body
- aluminum case ortho lab with foam insert holds all components of PRO.vision Basic 2D

Technical data

- dimensions of the complete equipment including case (L x H x D): 520 x 125 x 460 mm
- total weight: approx. 8,7 kg
- electric connection: input 100-240 V AC, 50/60 Hz

Item-No.
163P80



PRO.vision 3D

- PRO.vision 3D combines all benefits of fast LED-technology
 - PRO.vision 3D is equipped with two cameras, contrary to the smaller 2D system
 - the cameras are mounted on a portable tripod
 - to calibrate the cameras, a new chequer board calibration is used which enables to start measuring within only a few minutes after set-up
 - PRO.vision 3D can also be used as 2D system
- Technical instruction/training on site available upon request/offer.

Scope of delivery

- 2 high-speed cameras
- notebook
- camera tripod ortho lab for PRO.vision 3D
- synchronisation box (163P80/22)
- 2 x camera trigger cable (163P80/19)
- network switch ortho lab 4-4 (163P80/8)
- chequer board for calibration (163P80/20)
- 5 LED-markers
- remote control

Item-No.
163P84



Picture similar

System Notebook ortho lab 2D

- the branded notebook is newly configured according to latest technical standards
- it is designed to process camera recordings of 100 fps (pictures per second) at 640 x 480 pixels and full capacity
- the notebook is perfectly adapted to our system, and therefore we can grant stable operation
- specifications: upon request

Item-No.
163P80/11



Picture similar

System Notebook ortho lab 3D

- factory-set configuration for processing camera recordings, two cameras 100 fps (images per second) / 640 x 480 pixels or alternatively one camera 200 fps / 640 x 480 pixels
- system integration of highspeed-components
- installation and system check (stable operation guaranteed, as device is exactly adjusted to current PRO.vision-version at delivery)

Item-No.
163P80/17



Additional specifications available upon request!



Camera Set ortho lab 100

- consisting of: camera body ortho lab 100 (163P80/1) with lens ortho lab 100 (163P80/3), camera tripod ortho lab 2D (163P80/7), tripod stage for camera ortho lab (163P80/6) and network cable ortho lab 20 m (163P80/8)
- this combination is perfectly synchronised for recordings of motion sequences

Technical data

camera body

- frame rate: 100 fps (pictures per second) with full resolution of 640 x 480 pixels
- sensor: 1/4" CCD-coloured
- interface: GigE
- lens connection: C-Mount (standardised threaded lens support)
- power supply: via network switch ortho lab 4-4

lens

- focal length: (f) 4,4 mm - 11 mm
- lens connection: C-Mount (standardised lens mounting thread)

network cable

- length: 20 m
- connection type: RJ45
- connector surface: gold plated
- transfer rate: 250 Mhz, Cat-6 applications for speech and data transfer as well as multimedia applications

Dimensions

- camera body (L x H x D): approx. 60 x 35 x 29 mm
- lens: L 70 mm Ø 47 mm
- camera tripod (L x H x D): 450 x 80 x 80 mm
- tripod base (L x H x D): 31 x 6 x 22 mm
- network cable packed (L x H x D): 20 x 50 x 20 mm
- total net weight: 2,2 kg

Item-No.
163P80/2



Camera Body ortho lab 100

- high speed camera for recording slow and fast motion during a motion sequence
- due to the high amount of pictures per second (100), very quick motion patterns such as during initial swing phase, can be analysed picture by picture without overlays
- this is optimal for objective picture viewing

Technical data

- picture rate: 100 fps (pictures per second) at full resolution of 640 x 480 pixels
- sensor: 1/4" CCD-coloured
- interface: GigE
- lens-connection: C-Mount (standardised threaded lens support)
- power supply: via network switch ortho lab 4-4
- dimensions (L x H x D): 60 x 35 x 29 mm
- weight: 0,096 kg

Item-No.
163P80/1



Always store your camera body with mounted lens ortho lab (163P80/3) in order to avoid dirt on the sensor!



Lens ortho lab 100

- the lens features a focal length of 4,4-11 mm
- at shortest focal length of 4,4 mm, persons in only 3 m distance to the lens can be photographed in their full body size
- furthermore, it features a control unit for contrast and focus setting

Technical data

- suitable for camera body ortho lab 100 (163P80/1)
- connection: C-Mount (standardised lens mounting thread)
- focal length: (f) 4,4 mm-11 mm
- lens: approx. L 70 mm Ø 47 mm
- weight: 0,130 kg

Item-No.
163P80/3



Camera Tripod ortho lab 2D

- ultra-compact and easy to use tripod for photography and video recordings
- it can be carried easily and is a universal solution – quick and efficient for all applications
- it provides maximum freedom of positioning your camera in your motion laboratory
- folded, the camera tripod can be stowed into the aluminum case ortho lab (163P80/10)
- for use with: camera body ortho lab (163P80/1), lens ortho lab 100 (163P80/3) and tripod stage for camera ortho lab (163P80/6)

Technical data

- dimensions (L x H x D): 450 x 80 x 80 mm
- weight: 1,15 kg

Item-No.
163P80/7



Tripod Stage for camera ortho lab

- adapter for mounting camera body ortho lab 100 (163P80/1) onto camera tripod ortho lab 2D (163P80/7)

Technical data

- dimensions (L x H x D): 31 x 6 x 22 mm
- weight: 0,010 kg

Item-No.
163P80/6



Network Cable ortho lab 20 m

- the network cable ortho lab 20 m is used to connect the cameras to the network switch ortho lab 4-4 (163P80/4), as well as to connect the network switch to the system notebook ortho lab (163P80/11)
- the cable length allows to place the camera distant from the system notebook
- therefore change from sagittal photographs to frontal photographs is easily possible without a large amount of technical efforts

Technical data

- cable length: 20 metres
- connector type: RJ45
- connector surface: gold-plated
- transfer rate: 250 Mhz, Cat-6 applications for speech and data transfer as well as multimedia applications

Item-No.
163P80/8



Network Switch ortho lab 4-4

- network switch ortho lab 4-4 provides power for up to 4 cameras; transfers picture data via network cable ortho lab 20 m (163P80/8) to the system notebook ortho lab (163P80/11)
- additionally, a network connection (internet) can be connected to the network switch

Technical data

- dimensions (L x H x D): 235 x 27 x 103 mm
- net weight: 0,716 kg
- electric connection: input 100-240V AC, 50/60 hz, 1.4 A
- electric connection: output max. 60 W and 48 V DC 1.25 A

Port descriptions

- ports 1-4: RJ-45-ports (10/100/1000 Mbits/s, Auto uplink, PoE-ready)
- ports 5-8: RJ-45-ports (10/100/1000 Mbits/s, Auto uplink)

Item-No.
163P80/4



Remote Control ortho lab

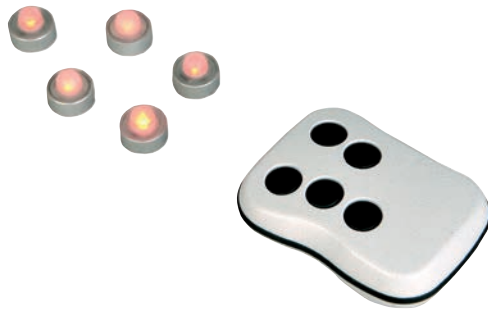
- controls the LED active markers ortho lab (163P80/14)
- is used to control the white, green, red and blue LED active markers

Technical data

- dimensions (L x H x D): 65 x 27 x 90 mm
- weight: approx. 0,067 kg
- including batteries: 2 x AAA

Item-No.
163P80/15

The remote control can be only ordered as accessory to the PRO.vision system.



LED Active Marker Set ortho lab

- the LED active marker set consists of LED active markers ortho lab (163P80/14) and remote control ortho lab (163P80/15)
- the remote control ortho lab is used to control the white, red, blue and green LED active markers ortho lab
- each LED is able to change into these colours; therefore it is not necessary to watch for a certain colour sequence when attaching the LED active markers
- the LED active markers ortho lab attach to the body by means of the adhesive rings ortho lab (168P80/9)

Technical data

LED active markers

- dimensions (H x Ø): 16 x 19 mm
- including battery: CR 1632 button cell

remote control

- dimensions (L x H x D): 65 x 27 x 90 mm
- including battery: 2 x AAA

Item-No.
163P80/5

The LED Active Marker Set ortho lab can only be ordered as accessory part if you already own a PRO.vision system (168P80).



LED Active Markers ortho lab

- the remote control ortho lab (163P80/15) is used to control the white, red, blue and green LED active markers ortho lab
- each LED is able to change into these colours; therefore it is not necessary to watch for a certain colour sequence when attaching the LED active markers
- the LED active markers attach to the body by means of the adhesive rings ortho lab (163P80/9)

Technical data

- dimensions (H x Ø): 16 x 19 mm
- weight: 0,005 kg
- including battery: CR1632 button cell

Item-No.
163P80/14



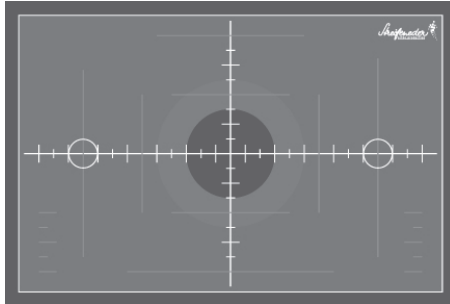
Adhesive Rings ortho lab

- for attachment to the test person
- the adhesive rings are attached to the backside of the LED active markers ortho lab (163P80/14)
- Ø 20 mm

PU: 500 pcs. per roll

Item-No.
163P80/9

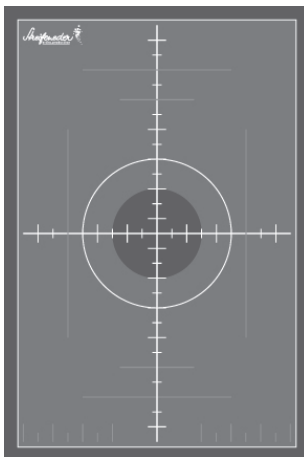
Calibration Board ortho lab



- useful for the calibration of the video camera
- provides good uniform contrast and helps to record marking points
- due to the vertical and horizontal marking lines, motion recording is much easier
- the calibration board horizontal ortho lab is mostly used for frontal and dorsal motion analysis

Technical data

- dimensions: 1550 x 1050 mm
- material: digital printing film (matt laminate finish)
- self-adhesive



Adjustment	Item-No.
horizontal	163P86/1
vertical	163P86/2

PRO.vision TWIN



PRO.vision TWIN is a data base-and video management system, consisting of:

- software CD (software is also available as download)
- data base for gathering data and managing videos, as well as customer data, medical history, measuring data, video recordings and reports
- tool to generate individual automated reports via your own MS Word template
- video editor: various tools for kinematic measuring functions and drawing tools such as zooming, shifting and rotating the video; static and dynamic stroboscope; cutting and compressing the video; video overlay (mix); video panels (split)
- USB hardlock dongle (omitted if PRO.vision Basic (163P80) is already installed)
- PRO.vision TWIN can be installed on any computer; Upgrade with PRO.vision TWIN high speed update (163P82/E) is recommended
- for the upgrade, it is advisable to use the system note book ortho lab (163P80/11), as this is already specified according to requirements

	Item-No.
	163P82



If requested, a work station for simultaneous recording by several cameras can be configured.

without picture

PRO.vision TWIN Highspeed Update

- necessary for recordings with camera ortho lab 100 (163P80/1) and lens ortho lab 100 (163P80/3)
- for use only in item 163P82

Item-No.
163P82/E

LED Ring Light ortho lab



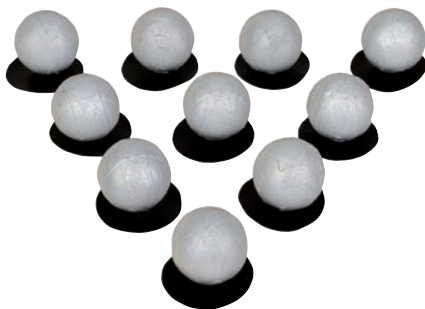
- LED ring light ortho lab with 32 LEDs, incl. mounting kit for camera and power supply
- the LED ring light is mounted to the camera and illuminates the reflection markers ortho lab (163P80/13)
- the reflection markers can only be used together with PRO.vision TWIN (163P82)

Technical data

- electronic supply: input 110 - 240 V, AC, 0,3 A 50 - 60
- electronic supply: output 12 V, DC, 0,5 A, 6 W

Item-No.
163P80/12

Reflection Markers ortho lab



- the reflection markers are used together with the LED ring light (163P80/12)
- no active markers, illuminated passively by the LED light
- the reflection markers can only be used together with PRO.vision TWIN
- attachment by means of adhesive rings ortho lab (163P80/9)

Technical data

- reflection markers
- ball diameter approx. 15 mm

PU = 20 pcs.

Item-No.
163P80/13

Extension Kit PRO.vision 3D



- the extension kit PRO.vision is used to upgrade PRO.vision from 2D to 3D
- PRO.vision 3D enables you to record motion in 3-dimensional images

The extension kit PRO.vision 3D consists of

- tripod stage ortho lab 3D (163P80/18)
- camera trigger cable (163P80/19)
- synchronisation box for highspeed cameras (163P80/22)
- camera body ortho lab 100 (163P80/1)
- lens ortho lab 100 (163P80/3)
- network cable (163P80/8); system notebook ortho.lab 3D, software upgrade, 3D/4D spinal analyses

Picture similar

Item-No.
163P80/21

Depending on your technical equipment, a new computer or a newer PRO.vision software may be necessary. Please clarify this with our ortho lab service in advance.



Camera Tripod ortho lab for PRO.vision 3D

- for holding 2 highspeed cameras incl. two tripod heads and one tripod bar
- set from horizontal into vertical position to record a movement in various situations

Technical data

- dimensions (W x H x D): approx. 800 x 150 x 130 mm
- weight: 3,75 kg

Item-No.
163P80/18



Camera Trigger Cable

- for frequency of the camera recordings

Technical data

- length: 20 m
- weight: 0,32 kg

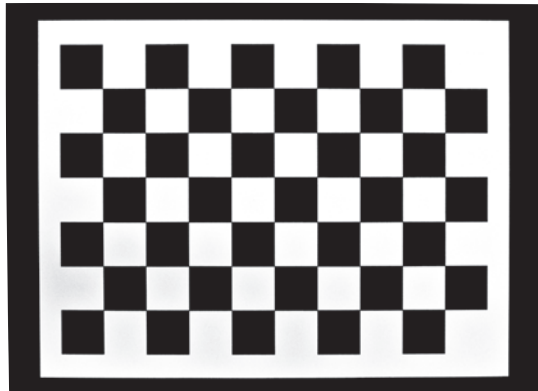
Item-No.
163P80/19



Synchronisation Box for Highspeed Cameras

- synchronisation box for highspeed cameras to externally trigger the cameras

Item-No.
163P80/22



Chequer Board

- for calibration of PRO.vision 3D
- additional use for equalisation of the camera recordings (version 1.4 and higher)

Item-No.
163P80/20

Prostheses for Children



Prostheses for Children

Streifeneder ortho production has made it its business to help children whose leg has been amputated or who have to cope with a congenital malformation with prosthetic care. An individual modular system has therefore been included into the product range.

The diminishment of the components allows for a proportionally suitable prosthetic supply for small children up to adolescents. Finally, a smooth conversion to the modular system for adults is possible. The specific requirements of childrens' prostheses have been taken into consideration by designing the joints in a special manner. A polycentric knee joint with a large angle of declination and three different proximal connecting options that partially allow additional rotation adjustments, offers the best possible freedom to move and an individual adaptation to the requirements of the child. A child's desire for powerful hues was also met with the selection of the product colour.

The use is restricted to a body weight of 45 kg, a Foot size of 21 cm and a body height of 145 cm. Joints and adapters are made of light metal/titanium to reduce the weight of the system even further. In order to allow for the use of Prosthetic Feet from the adult program we included the adapter 100K23/S in our program, which connects the pyramid adapter for 30- and 34-mm-systems to the modular system for children.



Every component of the childrens' prosthetics range follows the strict ISO 10328 guideline for lower limbs and takes into account the reduced wearing time which is due to the growth of the children.




We recommend verifying the components every third month because the system is subjected to extreme stresses. These inspections should be carried out with regard to functional performance, tubular adapters, possible distortions and damages.

Structured and functional parts made of aluminum and titanium coming from the adults' product range are preferably used for larger children.



S.A.C.H. Foot for Children with Split Toe


- thread M8
- heel height: 10 mm
- with split toe
- with enclosed heel wedge
- recommended S.A.C.H. foot adapter 16AK1/M8

Size / weight	Side	Height	max.  kg	Item-No.
14 cm / 80 g	left	46 mm	35 kg	30A26/14L
14 cm / 80 g	right	46 mm	35 kg	30A26/14R
16 cm / 110 g	left	51 mm	35 kg	30A26/16L
16 cm / 110 g	right	51 mm	35 kg	30A26/16R
18 cm / 150 g	left	57 mm	45 kg	30A26/18L
18 cm / 150 g	right	57 mm	45 kg	30A26/18R
20 cm / 210 g	left	63 mm	45 kg	30A26/20L
20 cm / 210 g	right	63 mm	45 kg	30A26/20R



S.A.C.H. Foot Adapter -Aluminum-

- complete with bolted connection
- thread M8

Bolt	Weight	Eff. height	max.  kg	Item-No.
Steel	68 g	5 mm	45 kg	160K1/M8



For bonding we recommend item 118P32!



Tube Adapter -Aluminum-

- with aluminum tube Ø 22 x 2 mm
- yellow/green anodised
- with 4 adjustment set screws 22A2/M6x12, zinc-plated
- tube length: 300 mm

Tube ø	Weight	Eff. height	max. ⚖ kg	Item-No.
22 mm	186 g	min. 85 mm max. 335 mm	45 kg	15K2/A300



Tube -Aluminum-

- sanded and true to size
- yellow anodised
- Ø 22 x 2 mm

Length	Weight	Tube ø	max. ⚖ kg	Item-No.
320 mm	144 g	22 mm	45 kg	15K2/A320



Tube Clamp Adapter -Aluminum-

- total height: 55 mm
- for tubes Ø 22 mm
- with 4 adjustment set screws 22A2/M6x12, zinc-plated
- green anodised

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Aluminum	62 g	15 mm	45 kg	110K11/A



Tube Clamp Adapter 10° tilt -Aluminum-

- total height: 60 mm
- for tubes Ø 22 mm
- with 4 adjustment set screws 22A2/M6x12, zinc-plated
- green anodised

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Aluminum	62 g	19 mm	45 kg	110K12/A



Tube Clamp Adapter with Adjustment Core -Aluminum-

- total height: 42 mm
- for tubes Ø 22 mm
- green anodised

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Aluminum	50 g	4 mm	45 kg	110K15/A



Socket Adapter -Aluminum-

- with adjustment core
- with center bore 6,1 mm
- for connection of different modular parts or distal socket ends
- green anodised

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Aluminum	44 g	4 mm	45 kg	100K90/A



Socket Adapter -Aluminum-

- with 4 adjustment set screws 22A2/M6x12, zinc-plated
- for connection of different modular parts or distal socket ends

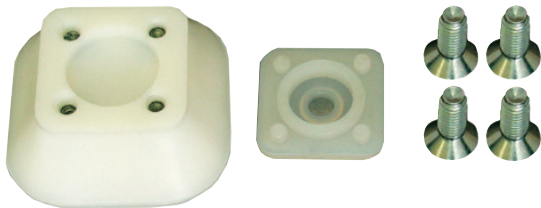
Material	Weight	Eff. height	max. ↑ kg	Item-No.
Aluminum	49 g	18 mm	45 kg	100K92/A



Connection Adapter for Children - with Adjustment Core

- for tube adapter Ø 22 mm
- connection between pyramide acceptance with Ø 30 mm to children tube adapter Ø 22 mm
- low clearance: 23 mm

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Stainl. Steel	85 g	18 mm	60 kg	100K23/S



Socket Attachment Block -Plastic-

- with 4 countersink screws 22A5/M5x16
- with lamination dummy
- length x width: 80 x 80 mm

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Plastic	110 g	32 mm	45 kg	120K7



Socket Adapter -Aluminum-

- with adjustment core and lamination anchor
- for direct lamination

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Aluminum	36 g	6 mm	45 kg	100K3/A

Socket Adapter -Aluminum-




- rotational adjustment with adjustment screws
- with adjustment screws 22A2/M6x12 and clamping screw
- to be directly laminated in
- delivered with lamination aid

Material	Weight	Eff. height	max.  kg	Item-No.
Aluminum	60 g	20 mm	45 kg	100K4/A

Double Adapter -Titanium-




- connections with 4 adjustment set screws 22A2/M6x12 each
- for connection between 2 adjustment cores

Material	Weight	Eff. height	max.  kg	Item-No.
Titanium	88 g	32 mm	45 kg	100K50/T32
Titanium	94 g	45 mm	45 kg	100K50/T45
Titanium	101 g	60 mm	45 kg	100K50/T60

3K51 Modular Hip Joint



- proximal: lamination disc
- distal: clamp for tube with Ø 22 mm
- incl. counter sunk screw 22A5/M5x16

Material	Weight	Eff. height	max.  kg	Item-No.
Aluminum	228 g	15 mm	45 kg	3K51



Countersink Head Bolt

Material	Size	Weight	Item-No.
Steel 10.9 zinc-plated	M5 x 16 mm	3,8 g	22A5/M5x16
Steel zinc-plated	M6 x 10 mm	3,0 g	22A5/M6x10
Steel 10.9 zinc-plated	M6 x 12 mm	3,4 g	22A5/M6x12
Steel 10.9 zinc-plated	M6 x 14 mm	3,6 g	22A5/M6x14
Steel 12.9 black	M6 x 20 mm	4,3 g	22A5/M6x20
Steel 12.9 zinc-plated	M6 x 25 mm	5,0 g	22A5/M6x25
Steel	M6 x 35 mm	7,0 g	22A5/M6x35
Steel 10.9	M6 x 40 mm	8,0 g	22A5/M6x40
Steel 10.9	M5 x 14 mm	3,5 g	22A6/M5x14
Steel 10.9	M6 x 14 mm	5,5 g	22A6/M6x14
Steel 10.9 zinc-plated	M6 x 16 mm	4,0 g	22A6/M6x16
Steel, zinc-plated	3,8 g M5 x 16 mm		22A5/M5x16



3K31 Modular Knee Joint

- total height: 82 mm
- monocentric
- proximal: adjustment core / stainless steel
- distal: tube clamp Ø 22 mm
- with integrated inner extension assist
- knee flexion range: 145°

Accessories

- cosmetic soft foam cover 600K32

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Aluminum	169 g	41 mm	45 kg	3K31



3K41 Modular Knee Joint with Lock

- total height: 82 mm
- monocentric
- light weight / highly durable aluminum
- proximal: adjustment core / stainless steel
- distal: tube clamp Ø 22 mm
- knee flexion range: 145°

Accessories

- cosmetic soft foam cover 600K32

Material	Weight	Eff. height	max. ⚖ kg	Item-No.
Aluminum	152 g	41 mm	45 kg	3K41



3K61 Modular Knee Joint

- total height: 101 mm
- polycentric
- adjustable axis lock
- integrated inner extension assist
- with 3 selectable proximal connections: adjustment core adapter: 3K61/E1 (with rotation adjustment), socket adapter: 3K61/E2, lamination anchor: 3K61/E3
- knee flexion range: 150°

Accessories

- cosmetic soft foam cover 600K32

Material	Weight	Eff. height	max. ⚖ kg	Item-No.
Aluminum	334 g	70 mm	45 kg	3K61

Prostheses for Children



Adjustment Core Adapter -Steel-

- for modular knee joint 3K61
- with additional rotation adjustment

Material	Weight	Eff. height	max. ⚖ kg	Item-No.
Steel	40 g	2 mm	45 kg	3K61/E1



Socket Adapter -Steel-

- for modular knee joint 3K61

Material	Weight	Eff. height	max. ⚖ kg	Item-No.
Steel	55 g	4 mm	45 kg	3K61/E2



Lamination Anchor -Steel-

- for modular knee joint 3K61
- for knee disarticulation

Material	Weight	Eff. height	max. ⚖ kg	Item-No.
Steel	55 g	6 mm	45 kg	3K61/E3



Cosmetic Soft Foam Cover

for modular trans-tibial and knee-disarticulation prostheses

- made of PUR soft foam
- for modular trans-tibial and knee-disarticulation prostheses
- colour: peach
- applicable for left and right side
- with Ø 19 mm bore

Length	Upper ø	Lower ø	Item-No.
50 cm	18 cm	15 cm	600K7



Cosmetic Soft Foam Cover

for modular trans-femoral and hip-disarticulation prostheses

- made of PUR soft foam
- for modular trans-femoral and hip-disarticulation prostheses
- 30° knee flexion
- colour: peach
- very distinctive pre-shaped calf
- matching nylon cosmetic stocking 200K15

Side	Calf circumference	Item-No.
left	32 cm	600K32/L
right	32 cm	600K32/R



Nylon Cosmetic Stocking for Children

for above knee (AK) prostheses for children

- for above knee (AK) prostheses for children
- colour: peach
- material: 100 % polyamid (nylon)

PU = 1 piece



Leg length	Foot length	Item-No.
34 cm	10 cm	200K15/1
37 cm	11 cm	200K15/2
44 cm	12 cm	200K15/3

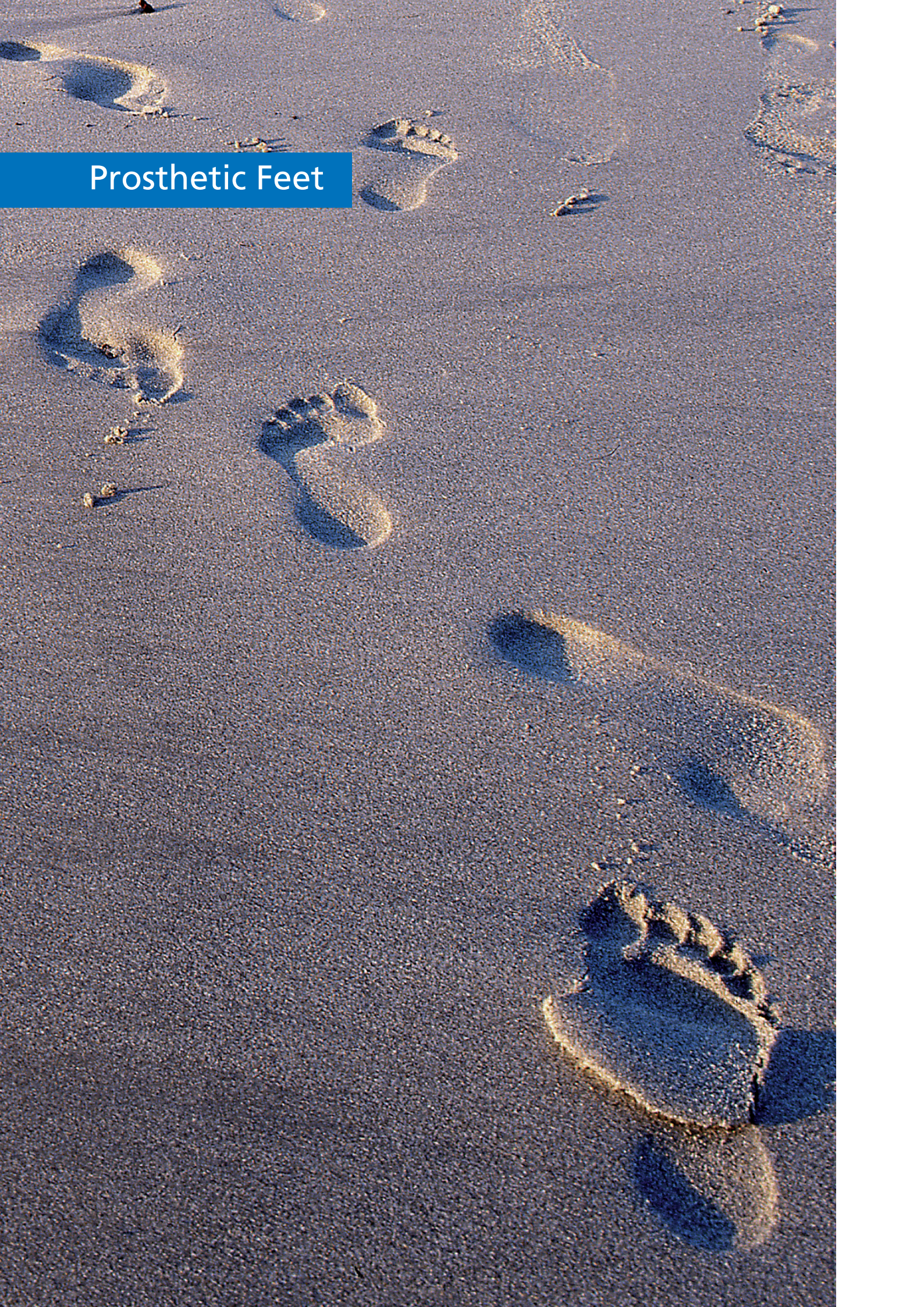


Plastic Valve

- without automatic air outlet
- outer valve diameter 26 mm

Weight	Item-No.
20 g	6K26

Prosthetic Feet



Prosthetic Feet

In the course of human evolution from quadruped to biped, the healthy foot has decisively changed in its function and complexity. It is the load-bearing element of the body.

A high number of receptors inside the sole tissue of the foot transmit important information about the composition of the floor to the walking person - information, which has to be compensated by the teamwork of bones and muscles. Diverse forces are to be kept away from the body and are to be reduced with an astonishing possibility of movement into any direction. The upper ankle joint allows dorsal and plantar flexions. The pro- and supination movement comes from the lower ankle joint as well as from the small joints of the middle foot. Torsional forces acting on the sound foot are damped, cushioned and consequently not transmitted to the body.

All these various tasks have to be accomplished by a prosthetic foot in order to ensure the greatest possible use for the amputee and his or her individual activity level. Therefore the correct selection of the prosthetic foot is of utmost importance with regard to a successful fitting of the amputee.

Selection criteria of the orthopaedic technician are:

- Activity level
- Weight of the patient
- Function
- Height of the prosthetic foot
- Weight of the prosthetic foot
- Cosmeses
- Fit inside the shoe

Requirements with regard to the function of the foot are:

- Damping energy absorption
- Mobility and elasticity in the sagittal, frontal and horizontal plane
- Highest possible energy output from the stance phase into the swing phase



The individual fitting of each patient is our primary objective at Streifeneder.

In order to meet our clients' demands, we rely on top quality products and unfailing service.

The prosthetic foot is subjected to high dynamic loads to which it must resist over a very long period of time without larger symptoms of wear or any change in its characteristics. Depending on the alignment of the prosthesis, the forefoot lever helps to increase the stability during stance phase or simplifies the toe rollover process. An energy-efficient walking is expected that includes safety, comfort and dynamic.

The requirements for a prosthetic foot, which are additionally influenced by the individual demands and feelings of the patient, eventually determine the selection of the foot.

Due to the use and the development of different materials the construction and functional possibilities of Prosthetic Feet have considerably changed in the course of time. The wooden stilt leg, which served as a simple means of locomotion, developed for example into a multi-axial carbon fiber foot, which offers a high degree of safety, comfort and function in everyday life.

Streifeneder ortho production has made it its business to enable the amputee to live an independent life by permanently pushing the development of all components and by using new materials.

S.A.C.H.-Feet

S.A.C.H. stands for “Solid Ankle Cushioned Heel”. This essentially describes the mode of operation of the time-tested prosthetic foot. The classic S.A.C.H.-foot consists of a hard wooden core, a flexible foot-shaped part and a solidly foamed soft heel wedge. The combination of these components primarily results in a soft and comfortable heel strike.

The S.A.C.H.-foot is used in the endoskeletal as well as in the exoskeletal construction and represents in practice a reasonably priced supply possibility for amputees up to activity level 2.

Besides the very realistic form of the toes, our S.A.C.H.-feet are especially esteemed by patients and orthopaedic technicians for their robustness.

The “allrounder” among prosthetic feet can also partially be used in swimming and wet areas and is therefore suitable for the construction of bathing prostheses. S.A.C.H.-feet are hardly susceptible to sand and dirt and can easily and rapidly be cleaned.





Geriatric-Foot, light, 10 mm heel



- max. patient weight: 85 kg
- activity level (walky): 1
- heel height 10 mm: ± 2 mm
- with toes
- foot made of polyurethane
- core made of alder wood with bushing
- carbon-kevlar forefoot spring
- flat forefoot and flat heel for simple alignment

Size / weight	Side	Thread	Height	Item-No.
22 cm / 250 g	left	M10	70 mm	30A20/22L
22 cm / 250 g	right	M10	70 mm	30A20/22R
23 cm / 280 g	left	M10	70 mm	30A20/23L
23 cm / 280 g	right	M10	70 mm	30A20/23R
24 cm / 300 g	left	M10	70 mm	30A20/24L
24 cm / 300 g	right	M10	70 mm	30A20/24R
25 cm / 350 g	left	M10	75 mm	30A20/25L
25 cm / 350 g	right	M10	75 mm	30A20/25R
26 cm / 380 g	left	M10	75 mm	30A20/26L
26 cm / 380 g	right	M10	75 mm	30A20/26R
27 cm / 420 g	left	M10	75 mm	30A20/27L
27 cm / 420 g	right	M10	75 mm	30A20/27R
28 cm / 460 g	left	M10	80 mm	30A20/28L
28 cm / 460 g	right	M10	80 mm	30A20/28R
29 cm / 520 g	left	M10	85 mm	30A20/29L
29 cm / 520 g	right	M10	85 mm	30A20/29R

Prosthetic Feet



Geriatric-Foot, light

- max. patient weight: 85 kg
- activity level (walky): 1
- heel height: 18 mm \pm 2 mm
- with toes
- foot made of polyurethane
- core made of alder wood with bushing
- carbon-kevlar forefoot spring
- heel is flat-convex
- flat forefoot for simple alignment

Size / weight	Side	Thread	Height	Item-No.
22 cm / 240 g	left	M10	70 mm	30A9/22L
22 cm / 240 g	right	M10	70 mm	30A9/22R
23 cm / 260 g	left	M10	70 mm	30A9/23L
23 cm / 260 g	right	M10	70 mm	30A9/23R
24 cm / 280 g	left	M10	70 mm	30A9/24L
24 cm / 280 g	right	M10	70 mm	30A9/24R
25 cm / 330 g	left	M10	75 mm	30A9/25L
25 cm / 330 g	right	M10	75 mm	30A9/25R
26 cm / 360 g	left	M10	75 mm	30A9/26L
26 cm / 360 g	right	M10	75 mm	30A9/26R
27 cm / 400 g	left	M10	75 mm	30A9/27L
27 cm / 400 g	right	M10	75 mm	30A9/27R
28 cm / 440 g	left	M10	80 mm	30A9/28L
28 cm / 440 g	right	M10	80 mm	30A9/28R
29 cm / 500 g	left	M10	85 mm	30A9/29L
29 cm / 500 g	right	M10	85 mm	30A9/29R



S.A.C.H. Foot for Women with Toes

- max. patient weight: 100 kg
- activity level (walky): 1 to 2
- heel height: 35 mm \pm 2 mm
- with enclosed heel wedge
- foot made of polyurethane
- core made of alder wood with bushing
- heel is flat-convex
- flat forefoot for simple alignment

Size / weight	Side	Thread	Height	Item-No.
23 cm / 360 g	left	M8	70 mm	30A4/23L
23 cm / 360 g	right	M8	70 mm	30A4/23R
24 cm / 395 g	left	M8	70 mm	30A4/24L
24 cm / 395 g	right	M8	70 mm	30A4/24R
25 cm / 440 g	left	M8	75 mm	30A4/25L
25 cm / 440 g	right	M8	75 mm	30A4/25R



S.A.C.H. Foot for Women with Toes



- max. patient weight: 100 kg
- activity level (walky): 1 to 2
- heel height: 35 mm \pm 2 mm
- with enclosed heel wedge
- foot made of polyurethane
- core made of alder wood with bushing
- heel is flat-convex
- flat forefoot for simple alignment

Size / weight	Side	Thread	Height	Item-No.
23 cm / 350 g	left	M8	70 mm	30A2/23L
23 cm / 350 g	right	M8	70 mm	30A2/23R
24 cm / 380 g	left	M8	70 mm	30A2/24L
24 cm / 380 g	right	M8	70 mm	30A2/24R
25 cm / 420 g	left	M8	75 mm	30A2/25L
25 cm / 420 g	right	M8	75 mm	30A2/25R



S.A.C.H. Foot for Men, 10 mm heel



- max. patient weight: 100 kg
- activity level (walky): 1 to 2
- heel height: 10 mm \pm 2 mm
- with enclosed heel wedge
- foot made of polyurethane
- core made of alder wood with bushing
- flat forefoot and flat heel for simple alignment

Size / weight	Side	Thread	Height	Item-No.
22 cm / 300 g	left	M10	70 mm	30A21/22L
22 cm / 300 g	right	M10	70 mm	30A21/22R
23 cm / 365 g	left	M10	70 mm	30A21/23L
23 cm / 365 g	right	M10	70 mm	30A21/23R
24 cm / 400 g	left	M10	70 mm	30A21/24L
24 cm / 400 g	right	M10	70 mm	30A21/24R
25 cm / 445 g	left	M10	75 mm	30A21/25L
25 cm / 445 g	right	M10	75 mm	30A21/25R
26 cm / 500 g	left	M10	75 mm	30A21/26L
26 cm / 500 g	right	M10	75 mm	30A21/26R
27 cm / 535 g	left	M10	75 mm	30A21/27L
27 cm / 535 g	right	M10	75 mm	30A21/27R
28 cm / 600 g	left	M10	80 mm	30A21/28L
28 cm / 600 g	right	M10	80 mm	30A21/28R
29 cm / 670 g	left	M10	85 mm	30A21/29L
29 cm / 670 g	right	M10	85 mm	30A21/29R



S.A.C.H. Foot for Men with Toes



- max. patient weight: 100 kg
- activity level (walky): 1 to 2
- heel height: 18 mm \pm 2 mm
- with enclosed heel wedge
- foot made of polyurethane
- core made of alder wood with bushing
- heel is flat-convex
- flat forefoot for simple alignment

Size / weight	Side	Thread	Height	Item-No.
22 cm / 295 g	left	M10	70 mm	30A5/22L
22 cm / 295 g	right	M10	70 mm	30A5/22R
23 cm / 360 g	left	M10	70 mm	30A5/23L
23 cm / 360 g	right	M10	70 mm	30A5/23R
24 cm / 395 g	left	M10	70 mm	30A5/24L
24 cm / 395 g	right	M10	70 mm	30A5/24R
25 cm / 440 g	left	M10	75 mm	30A5/25L
25 cm / 440 g	right	M10	75 mm	30A5/25R
26 cm / 495 g	left	M10	75 mm	30A5/26L
26 cm / 495 g	right	M10	75 mm	30A5/26R
27 cm / 530 g	left	M10	75 mm	30A5/27L
27 cm / 530 g	right	M10	75 mm	30A5/27R
28 cm / 595 g	left	M10	80 mm	30A5/28L
28 cm / 595 g	right	M10	80 mm	30A5/28R
29 cm / 660 g	left	M10	85 mm	30A5/29L
29 cm / 660 g	right	M10	85 mm	30A5/29R



S.A.C.H. Foot for Men with Toes



- max. patient weight: 100 kg
- activity level (walky): 1 to 2
- heel height: 18 mm ± 2 mm
- with enclosed heel wedge
- foot made of polyurethane
- core made of alder wood with bushing
- heel is flat-convex
- flat forefoot for simple alignment

Size / weight	Side	Thread	Height	Item-No.
22 cm / 290 g	left	M8	70 mm	30A3/22L
22 cm / 290 g	right	M8	70 mm	30A3/22R
23 cm / 350 g	left	M10	70 mm	30A3/23L
23 cm / 350 g	right	M10	70 mm	30A3/23R
24 cm / 380 g	left	M10	70 mm	30A3/24L
24 cm / 380 g	right	M10	70 mm	30A3/24R
25 cm / 420 g	left	M10	75 mm	30A3/25L
25 cm / 420 g	right	M10	75 mm	30A3/25R
26 cm / 480 g	left	M10	75 mm	30A3/26L
26 cm / 480 g	right	M10	75 mm	30A3/26R
27 cm / 520 g	left	M10	75 mm	30A3/27L
27 cm / 520 g	right	M10	75 mm	30A3/27R
28 cm / 580 g	left	M10	80 mm	30A3/28L
28 cm / 580 g	right	M10	80 mm	30A3/28R
29 cm / 640 g	left	M10	85 mm	30A3/29L
29 cm / 640 g	right	M10	85 mm	30A3/29R

Prosthetic Feet



S.A.C.H. Foot for Men, up to 150 kg

- max. patient weight: 150 kg
- activity level (walky): 1 to 2
- heel height: 18 mm \pm 2 mm
- carbon-frame with internal spring
- foot made of polyurethane
- with dorsal plastic insert
- heel is flat-convex
- flat forefoot for simple alignment
- use only in combination with SACH-Foot-Adapter 16A9/M10

Size / weight	Side	Thread	Height	Item-No.
23 cm / 520 g	left	M10	70 mm	30A150/23L
23 cm / 520 g	right	M10	70 mm	30A150/23R
24 cm / 550 g	left	M10	70 mm	30A150/24L
24 cm / 550 g	right	M10	70 mm	30A150/24R
25 cm / 585 g	left	M10	75 mm	30A150/25L
25 cm / 585 g	right	M10	75 mm	30A150/25R
26 cm / 630 g	left	M10	75 mm	30A150/26L
26 cm / 630 g	right	M10	75 mm	30A150/26R
27 cm / 680 g	left	M10	75 mm	30A150/27L
27 cm / 680 g	right	M10	75 mm	30A150/27R
28 cm / 730 g	left	M10	80 mm	30A150/28L
28 cm / 730 g	right	M10	80 mm	30A150/28R
29 cm / 790 g	left	M10	85 mm	30A150/29L
29 cm / 790 g	right	M10	85 mm	30A150/29R



S.A.C.H. Foot for Men up to 150 kg

- max. patient weight: 150 kg
- activity level (walky): 1 to 2
- heel height: 18 mm \pm 2 mm
- with glued S.A.C.H. Foot Adapter 16A9/M10
- carbon-frame with internal spring
- foot made of polyurethane
- with dorsal plastic insert
- heel is flat-convex
- flat forefoot for simple alignment

Size / weight	Side	Thread	Height	Item-No.
23 cm / 520 g	left	M10	70 mm	30A151/23L
23 cm / 520 g	right	M10	70 mm	30A151/23R
24 cm / 550 g	left	M10	70 mm	30A151/24L
24 cm / 550 g	right	M10	70 mm	30A151/24R
25 cm / 585 g	left	M10	75 mm	30A151/25L
25 cm / 585 g	right	M10	75 mm	30A151/25R
26 cm / 630 g	left	M10	75 mm	30A151/26L
26 cm / 630 g	right	M10	75 mm	30A151/26R
27 cm / 680 g	left	M10	75 mm	30A151/27L
27 cm / 680 g	right	M10	75 mm	30A151/27R
28 cm / 730 g	left	M10	80 mm	30A151/28L
28 cm / 730 g	right	M10	80 mm	30A151/28R
29 cm / 790 g	left	M10	85 mm	30A151/29L
29 cm / 790 g	right	M10	85 mm	30A151/29R



Dynamic Foot with Split Toe



- max. patient weight: 125 kg
- activity level (walky): 1 to 2
- heel height: 10 mm \pm 5 mm
- with split toe
- foot made of polyurethane
- core made of alder wood with bushing
- comfortable heel strike
- toe roll-over smoother than ordinary Streifeneder-S.A.C.H.-feet
- dynamic return of the fore foot through innovative foam technology

Size / weight	Side	Thread	Height	Item-No.
22 cm / 290 g	left	M10	70 mm	30A27/22L
22 cm / 290 g	right	M10	70 mm	30A27/22R
23 cm / 310 g	left	M10	70 mm	30A27/23L
23 cm / 310 g	right	M10	70 mm	30A27/23R
24 cm / 350 g	left	M10	70 mm	30A27/24L
24 cm / 350 g	right	M10	70 mm	30A27/24R
25 cm / 385 g	left	M10	75 mm	30A27/25L
25 cm / 385 g	right	M10	75 mm	30A27/25R
26 cm / 480 g	left	M10	75 mm	30A27/26L
26 cm / 480 g	right	M10	75 mm	30A27/26R
27 cm / 500 g	left	M10	75 mm	30A27/27L
27 cm / 500 g	right	M10	75 mm	30A27/27R
28 cm / 560 g	left	M10	80 mm	30A27/28L
28 cm / 560 g	right	M10	80 mm	30A27/28R
29 cm / 600 g	left	M10	80 mm	30A27/29L
29 cm / 600 g	right	M10	80 mm	30A27/29R
30 cm / 680 g	left	M10	80 mm	30A27/30L
30 cm / 680 g	right	M10	80 mm	30A27/30R



S.A.C.H. Foot with Toes for Bathing



- max. patient weight: 100 kg
- activity level (walky): 1 to 2
- heel height: 10 mm ± 2 mm
- suitable for bathing/swimming prostheses
- foot made of PUR with waterproof coating of wooden surface
- core made of alder wood with bushing
- and pressure-cast heel wedge
- heel is flat-convex

Size / weight	Side	Thread	Height	Item-No.
22 cm / 310 g	left	M10	70 mm	30A6/22L
22 cm / 310 g	right	M10	70 mm	30A6/22R
23 cm / 370 g	left	M10	70 mm	30A6/23L
23 cm / 370 g	right	M10	70 mm	30A6/23R
24 cm / 420 g	left	M10	70 mm	30A6/24L
24 cm / 420 g	right	M10	70 mm	30A6/24R
25 cm / 450 g	left	M10	75 mm	30A6/25L
25 cm / 450 g	right	M10	75 mm	30A6/25R
26 cm / 500 g	left	M10	75 mm	30A6/26L
26 cm / 500 g	right	M10	75 mm	30A6/26R
27 cm / 540 g	left	M10	75 mm	30A6/27L
27 cm / 540 g	right	M10	75 mm	30A6/27R
28 cm / 620 g	left	M10	80 mm	30A6/28L
28 cm / 620 g	right	M10	80 mm	30A6/28R
29 cm / 650 g	left	M10	85 mm	30A6/29L
29 cm / 650 g	right	M10	85 mm	30A6/29R



Single-Axis-Foot for Women with Toes



- max. patient weight: 100 kg
- activity level (walky): 1
- heel height: 25-35 mm
- foot made of polyurethane
- core made of alder wood
- forefoot is flat-convex
- recommended Single-Axis-Foot Adapter: 32A1, 32A2, 32A3, 32A4

Size / weight	Side	Adapter	Height	Item-No.
23 cm / 310 g	left	22-25	36 mm	30A16/23L
23 cm / 310 g	right	22-25	36 mm	30A16/23R
24 cm / 330 g	left	22-25	38 mm	30A16/24L
24 cm / 330 g	right	22-25	38 mm	30A16/24R
25 cm / 370 g	left	22-25	40 mm	30A16/25L
25 cm / 370 g	right	22-25	40 mm	30A16/25R



Geriatric-Single-Axis-Foot, light



- max. patient weight: 75 kg
- activity level (walky): 1
- heel height: 15-25 mm
- with toes
- foot made of polyurethane
- core made of alder wood
- carbon-kevlar forefoot spring
- forefoot is flat-convex
- recommended Single-Axis-Foot Adapter 32A2 and 32A3

Size / weight	Side	Adapter	Height	Item-No.
22 cm / 195 g	left	22-25	36 mm	30A13/22L
22 cm / 195 g	right	22-25	36 mm	30A13/22R
23 cm / 225 g	left	22-25	36 mm	30A13/23L
23 cm / 225 g	right	22-25	36 mm	30A13/23R
24 cm / 275 g	left	22-25	38 mm	30A13/24L
24 cm / 275 g	right	22-25	38 mm	30A13/24R
25 cm / 300 g	left	22-25	40 mm	30A13/25L
25 cm / 300 g	right	22-25	40 mm	30A13/25R
26 cm / 365 g	left	26-30	40 mm	30A13/26L
26 cm / 365 g	right	26-30	40 mm	30A13/26R
27 cm / 390 g	left	26-30	40 mm	30A13/27L
27 cm / 390 g	right	26-30	40 mm	30A13/27R
28 cm / 450 g	left	26-30	42 mm	30A13/28L
28 cm / 450 g	right	26-30	42 mm	30A13/28R
29 cm / 490 g	left	26-30	42 mm	30A13/29L
29 cm / 490 g	right	26-30	42 mm	30A13/29R



Single-Axis-Foot for Men with Toes



- max. patient weight: 100 kg
- activity level (walky): 1
- heel height: 15-25 mm
- foot made of polyurethane
- core made of alder wood
- forefoot is flat-convex
- recommended Single-Axis-Foot Adapter: 32A1, 32A2, 32A3, 32A4

Size / weight	Side	Adapter	Height	Item-No.
23 cm / 310 g	left	22-25	36 mm	30A15/23L
23 cm / 310 g	right	22-25	36 mm	30A15/23R
24 cm / 330 g	left	22-25	38 mm	30A15/24L
24 cm / 330 g	right	22-25	38 mm	30A15/24R
25 cm / 370 g	left	22-25	40 mm	30A15/25L
25 cm / 370 g	right	22-25	40 mm	30A15/25R
26 cm / 430 g	left	26-30	40 mm	30A15/26L
26 cm / 430 g	right	26-30	40 mm	30A15/26R
27 cm / 470 g	left	26-30	40 mm	30A15/27L
27 cm / 470 g	right	26-30	40 mm	30A15/27R
28 cm / 500 g	left	26-30	42 mm	30A15/28L
28 cm / 500 g	right	26-30	42 mm	30A15/28R
29 cm / 520 g	left	26-30	42 mm	30A15/29L
29 cm / 520 g	right	26-30	42 mm	30A15/29R



Single-Axis-Foot for Men with Toes



- max. patient weight: 100 kg
- activity level (walky): 1
- heel height: 10 mm
- foot made of polyurethane
- core made of alder wood
- forefoot is flat-convex
- recommended Single-Axis-Foot Adapter: 32A1, 32A2, 32A3, 32A4

Size / weight	Side	Adapter	Height	Item-No.
22 cm / 260 g	left	22-25	36 mm	30A14/22L
22 cm / 260 g	right	22-25	36 mm	30A14/22R
23 cm / 310 g	left	22-25	36 mm	30A14/23L
23 cm / 310 g	right	22-25	36 mm	30A14/23R
24 cm / 330 g	left	22-25	38 mm	30A14/24L
24 cm / 330 g	right	22-25	38 mm	30A14/24R
25 cm / 370 g	left	22-25	40 mm	30A14/25L
25 cm / 370 g	right	22-25	40 mm	30A14/25R
26 cm / 430 g	left	26-30	40 mm	30A14/26L
26 cm / 430 g	right	26-30	40 mm	30A14/26R
27 cm / 470 g	left	26-30	40 mm	30A14/27L
27 cm / 470 g	right	26-30	40 mm	30A14/27R
28 cm / 500 g	left	26-30	42 mm	30A14/28L
28 cm / 500 g	right	26-30	42 mm	30A14/28R
29 cm / 550 g	left	26-30	42 mm	30A14/29L
29 cm / 550 g	right	26-30	42 mm	30A14/29R



Foot with Toes but without Joint



- max. patient weight: 100 kg
- activity level (walky): 1
- heel height: 18 mm
- foot made of polyurethane
- separate alder wood ankle block, bondable
- and separate soft heel wedge, bondable

Size	Side	Item-No.
22 cm	left	30A19/22L
22 cm	right	30A19/22R
23 cm	left	30A19/23L
23 cm	right	30A19/23R
24 cm	left	30A19/24L
24 cm	right	30A19/24R
25 cm	left	30A19/25L
25 cm	right	30A19/25R
26 cm	left	30A19/26L
26 cm	right	30A19/26R
27 cm	left	30A19/27L
27 cm	right	30A19/27R
28 cm	left	30A19/28L
28 cm	right	30A19/28R
29 cm	left	30A19/29L
29 cm	right	30A19/29R



For bonding, we recommend item 118P11/T with cross linker/hardener 118P23.

Prosthetic Feet



Pirogoff-Foot with Toes



- max. patient weight: 100 kg
- activity level (walky): 1
- heel height 15 mm
- foot made of polyurethane
- separate alder wood ankle block, bondable

Size	Side	Item-No.
22 cm	left	30A18/22L
22 cm	right	30A18/22R
23 cm	left	30A18/23L
23 cm	right	30A18/23R
24 cm	left	30A18/24L
24 cm	right	30A18/24R
25 cm	left	30A18/25L
25 cm	right	30A18/25R
26 cm	left	30A18/26L
26 cm	right	30A18/26R
27 cm	left	30A18/27L
27 cm	right	30A18/27R
28 cm	left	30A18/28L
28 cm	right	30A18/28R
29 cm	left	30A18/29L
29 cm	right	30A18/29R



For bonding, we recommend item 118P11/T with cross linker/hardener 118P23.



S.A.C.H. Foot for Men with Split Toe



- max. patient weight: 80 kg = size 22-25
- max. patient weight: 95 kg = size 26-30
- activity level (walky): 1 to 2
- heel height: 10 mm \pm 2 mm
- with split toe
- with enclosed heel wedge
- foot made of polyurethane
- core made of alder wood with bushing
- heel is flat-convex
- flat forefoot for simple alignment

Size / weight	Side	Thread	Height	Item-No.
22 cm / 290 g	left	M10	70 mm	30A23/22L
22 cm / 290 g	right	M10	70 mm	30A23/22R
23 cm / 350 g	left	M10	70 mm	30A23/23L
23 cm / 350 g	right	M10	70 mm	30A23/23R
24 cm / 380 g	left	M10	70 mm	30A23/24L
24 cm / 380 g	right	M10	70 mm	30A23/24R
25 cm / 420 g	left	M10	75 mm	30A23/25L
25 cm / 420 g	right	M10	75 mm	30A23/25R
26 cm / 480 g	left	M10	75 mm	30A23/26L
26 cm / 480 g	right	M10	75 mm	30A23/26R
27 cm / 520 g	left	M10	75 mm	30A23/27L
27 cm / 520 g	right	M10	75 mm	30A23/27R
28 cm / 580 g	left	M10	80 mm	30A23/28L
28 cm / 580 g	right	M10	80 mm	30A23/28R
29 cm / 640 g	left	M10	80 mm	30A23/29L
29 cm / 640 g	right	M10	80 mm	30A23/29R
30 cm / 700 g	left	M10	80 mm	30A23/30L
30 cm / 700 g	right	M10	80 mm	30A23/30R



S.A.C.H. Foot for Men with Split Toe

- max. patient weight: 80 kg = size 22-25
- max. patient weight: 95 kg = size 26-30
- activity level (walky): 1 to 2
- heel height: 10 mm \pm 2 mm
- with split toe
- foot made of polyurethane
- core made of alder wood with bushing
- flat forefoot for simple alignment

Size / weight	Side	Thread	Height	Item-No.
22 cm / 300 g	left	M10	70 mm	30A24/22L
22 cm / 300 g	right	M10	70 mm	30A24/22R
23 cm / 365 g	left	M10	70 mm	30A24/23L
23 cm / 365 g	right	M10	70 mm	30A24/23R
24 cm / 400 g	left	M10	70 mm	30A24/24L
24 cm / 400 g	right	M10	70 mm	30A24/24R
25 cm / 445 g	left	M10	75 mm	30A24/25L
25 cm / 445 g	right	M10	75 mm	30A24/25R
26 cm / 500 g	left	M10	75 mm	30A24/26L
26 cm / 500 g	right	M10	75 mm	30A24/26R
27 cm / 535 g	left	M10	75 mm	30A24/27L
27 cm / 535 g	right	M10	75 mm	30A24/27R
28 cm / 600 g	left	M10	80 mm	30A24/28L
28 cm / 600 g	right	M10	80 mm	30A24/28R
29 cm / 670 g	left	M10	80 mm	30A24/29L
29 cm / 670 g	right	M10	80 mm	30A24/29R
30 cm / 730 g	left	M10	80 mm	30A24/30L
30 cm / 730 g	right	M10	80 mm	30A24/30R



S.A.C.H. Foot for Men with Split Toe



- max. patient weight: 80 kg = size 22-25
- max. patient weight: 95 kg = size 26-30
- activity level (walky): 1 to 2
- colour: dark brown
- heel height: 10 mm \pm 2 mm
- with split toe
- foot made of polyurethane
- core made of alder wood with bushing
- flat forefoot for simple alignment

Size / weight	Side	Thread	Height	Item-No.
22 cm / 300 g	left	M10	70 mm	30A25/22L
22 cm / 300 g	right	M10	70 mm	30A25/22R
23 cm / 365 g	left	M10	70 mm	30A25/23L
23 cm / 365 g	right	M10	70 mm	30A25/23R
24 cm / 400 g	left	M10	70 mm	30A25/24L
24 cm / 400 g	right	M10	70 mm	30A25/24R
25 cm / 445 g	left	M10	75 mm	30A25/25L
25 cm / 445 g	right	M10	75 mm	30A25/25R
26 cm / 500 g	left	M10	75 mm	30A25/26L
26 cm / 500 g	right	M10	75 mm	30A25/26R
27 cm / 535 g	left	M10	75 mm	30A25/27L
27 cm / 535 g	right	M10	75 mm	30A25/27R
28 cm / 600 g	left	M10	80 mm	30A25/28L
28 cm / 600 g	right	M10	80 mm	30A25/28R
29 cm / 670 g	left	M10	80 mm	30A25/29L
29 cm / 670 g	right	M10	80 mm	30A25/29R
30 cm / 730 g	left	M10	80 mm	30A25/30L
30 cm / 730 g	right	M10	80 mm	30A25/30R

Prosthetic Feet



S.A.C.H.-Foot for Men with ultra-reinforced technical polymer core



- max. patient weight 100 kg
- activity level (walky): 1 to 2
- with split toe, with ultra-reinforced technical polymer core
- foot made of polyurethane
- flat forefoot with heel for simple alignment

Size / weight	Side	Thread	Height	Item-No.
22 / 360 g	left	M10	70 mm	30A30/22L
22 / 360 g	right	M10	70 mm	30A30/22R
23 / 390 g	left	M10	70 mm	30A30/23L
23 / 390 g	right	M10	70 mm	30A30/23R
24 / 440 g	left	M10	70 mm	30A30/24L
24 / 440 g	right	M10	70 mm	30A30/24R
25 / 500 g	left	M10	75 mm	30A30/25L
25 / 500 g	right	M10	75 mm	30A30/25R
26 / 540 g	left	M10	75 mm	30A30/26L
26 / 540 g	right	M10	75 mm	30A30/26R
27 / 570 g	left	M10	75 mm	30A30/27L
27 / 570 g	right	M10	75 mm	30A30/27R
28 / 670 g	left	M10	80 mm	30A30/28L
28 / 670 g	right	M10	80 mm	30A30/28R
29 / 700 g	left	M10	80 mm	30A30/29L
29 / 700 g	right	M10	80 mm	30A30/29R

S.A.C.H.-Foot for Men with ultra-reinforced technical polymer core



- max. patient weight 100 kg
- activity level (walky): 1 to 2
- with ultra-reinforced technical polymer core
- foot made of polyurethane
- flat forefoot with heel for simple alignment

Size / weight	Side	Thread	Height	Bestell-Nr.
23 / 400 g	left	M10	70 mm	30A31/23L
23 / 400 g	right	M10	70 mm	30A31/23R
24 / 450 g	left	M10	70 mm	30A31/24L
24 / 450 g	right	M10	70 mm	30A31/24R
25 / 500 g	left	M10	75 mm	30A31/25L
25 / 500 g	right	M10	75 mm	30A31/25R
26 / 550 g	left	M10	75 mm	30A31/26L
26 / 550 g	right	M10	75 mm	30A31/26R
27 / 600 g	left	M10	75 mm	30A31/27L
27 / 600 g	right	M10	75 mm	30A31/27R
28 / 650 g	left	M10	80 mm	30A31/28L
28 / 650 g	right	M10	80 mm	30A31/28R

S.A.C.H. Foot Adapter -Aluminum-



- complete with bolted connection
- steel screw

Weight	Thread	Eff. height	max. \uparrow kg	Item-No.
78 g	M8	9 mm	100 kg	16A1/M8
92 g	M10	9 mm	100 kg	16A1/M10



For bonding we recommend item 118P32.

S.A.C.H. Foot Adapter -Titanium-



- complete with bolted connection
- steel screw

Weight	Thread	Eff. height	max. \uparrow kg	Item-No.
64 g	M8	9 mm	100 kg	16A6/M8
71 g	M10	9 mm	125 kg	16A6/M10



For bonding we recommend item 118P32.

S.A.C.H. Foot Adapter -Stainless Steel-



- complete with bolted connection
- stainless steel
- steel screw
- S.A.C.H. foot adapter 16A9/M10 is exclusively for the S.A.C.H. foot 30A150 for men

Weight	Thread	Eff. height	max. \uparrow kg	Item-No.
118 g	M8	9 mm	100 kg	16A2/M8
128 g	M10	9 mm	125 kg	16A2/M10
133 g	M10	9 mm	150 kg	16A9/M10



For bonding we recommend item 118P23.

S.A.C.H. Foot Adapter -Titanium-



- modular system oversize for 225 kg
- complete with screwing
- steel screw with fine thread M14x1,5
- usage only in combination with screw adapter 11A225/T

Material	Weight	Eff. height	max. \uparrow kg	Item-No.
Titanium	194 kg	9 mm	225 kg	16A7/M14



For bonding we recommend article 118P32.

Prosthetic Feet

Bolted Connection for S.A.C.H. Foot



- consists of: 1 socket cap screw, 1 washer, 1 serrated lock washer

For adapter	Material	Thread	Item-No.
16A2/M8	Steel	M8	16A2/E8
16A2/M10	Steel	M10	16A2/E10
16A6/M8	Titanium	M8	16A6/E8
16A6/M10	Titanium	M10	16A6/E10

S.A.C.H. Foot Connection Disc



- made of plastic
- to be bonded to cosmetic soft foam cover and affixed onto the S.A.C.H. Foot Adapter

S.a.c.h. foot adapter	Weight	Item-No.
16A1/M8	12 g	29A1
16A1/M10	12 g	
16A2/M8	12 g	
16A2/M10	12 g	
16A6/M8	12 g	
16A6/M10	12 g	



For bonding we recommend 118P12.

Single-Axis-Foot Adapter -Aluminum-



- with lower bearing shell, plantar flexion bumper and including a dorsal flexion bumper 32A6/D10

Foot size	Weight	Eff. height	max. \uparrow kg	Item-No.
22-25 cm	207 g	33 mm	100 kg	32A2/22-25
26-30 cm	218 g	33 mm	100 kg	32A2/26-30



The adjustment of the heel height and of the dorsal flexion can be varied with different dorsal flexion bumpers like 32A1/D12 and 32A1/D14.

Single-Axis-Foot Adapter -Titanium-



- with lower bearing shell, plantar flexion bumper and including a dorsal flexion bumper 32A6/D5

Foot size	Weight	Eff. height	max. \uparrow kg	Item-No.
22-25 cm	199 g	27 mm	100 kg	32A3/22-25
26-30 cm	208 g	27 mm	100 kg	32A3/26-30



The adjustment of the heel height and of the dorsal flexion can be varied with different dorsal flexion bumpers like 32A1/D12 and 32A1/D14.



Single-Axis-Foot Adapter -Stainless Steel-

- with lower bearing shell, plantar flexion bumper and including a dorsal flexion bumper 32A6/D5

Foot size	Weight	Eff. height	max.  kg	Item-No.
22-25 cm	305 g	27 mm	100 kg	32A4/22-25
26-30 cm	320 g	27 mm	100 kg	32A4/26-30

 The adjustment of the heel height and of the dorsal flexion can be varied with different dorsal flexion bumpers like 32A1/D12 and 32A1/D14.



Dorsal Flexion Bumper

- for single-axis-foot adapter 32A2, 32A3 and 32A4
- for adjustment of heel height and dorsal flexion
- each size 1 soft and 1 hard bumper

Foot size	Height	Flexion	Item-No.
22-30 cm	5 mm	soft + hard	32A6/D5
22-30 cm	10 mm	soft + hard	32A6/D10



Connection Cap

- for single-axis-foot adapter
- made of plastic with slot for easier insertion
- suitable for 32A2, 32A3 and 32A4

Foot size	Weight	Item-No.
22 cm	10 g	32A5/22
23 cm	11 g	32A5/23
24 cm	12 g	32A5/24
25 cm	13 g	32A5/25
26 cm	14 g	32A5/26
27 cm	15 g	32A5/27
28 cm	16 g	32A5/28
29 cm	17 g	32A5/29

 Bond to cosmetic soft foam cover with Listra-Fix-Glue 118P12 and clip on foot.

Prosthetic Feet



Service Parts Set

- for single-axis-foot adapter 32A2, 32A3 and 32A4

Set consists of	Item-No.
1 x two-hole steel washer, oval	32A6/E
1 x lower bearing shell	
1 x plantar flexion bumper - soft, green	
1 x plantar flexion bumper - medium, red	
1 x plantar flexion bumper - hard, blue	



Bearing Seat

- for single-axis-foot adapter 32A2, 32A3 and 32A4

	Item-No.
	32A2/E4



Universal Foot Adapter -Stainless Steel-

- complete for single-axis feet
- effective height (EH) incl. thread length
- use in connection with ankle block 31A3 and 31A4
- maintenance-free

Foot size	Weight	Eff. height	max. ↑ kg	Item-No.
23 - 30 cm	195 g	97 mm	100 kg	32A1



Please order the dorsal flexion bumper 32A1/Dxx and the plantar flexion bumper 32A1/Fxx separately, according to the foot size.



Connection Cap

- for single-axis-feet
- consisting of polyurethane
- fits snugly onto the standard joint

Foot size	Item-No.
23 - 24 cm	32A11/2-3
25 - 26 cm	32A11/4-5
27 - 28 cm	32A11/6-7



Dorsal Flexion Bumper

- for single-axis-foot adapter 32A1/23-30
- and for universal foot adapter 32A1
- in connection with ankle block 31A3 and 31A4 for adjustment of heel height and dorsal flexion

Flexion	Height	Item-No.
less	10 mm	32A1/D10
standard	12 mm	32A1/D12
more	14 mm	32A1/D14



Plantar Flexion Bumper

- for single-axis-foot adapter 32A1/23-30
- and for universal foot adapter 32A1
- made of rubber

Foot size	Diameter	Item-No.
22 - 25 cm	23 mm	32A1/F23
26 - 30 cm	27 mm	32A1/F27



Ankle Block -Wood-

- complete with bolted connection in steel
- suitable for left and right side
- spare socket cap screw M8 x 90 mm, steel 22A2/M8
- spare socket cap screw M10 x 90 mm, steel 22A2/M10

Foot size	Thread	Height	max. ⚖️ kg	Item-No.
up to 25 cm with M8	M8 x 90 mm	118 mm	100 kg	31A2/M8
up to 28 cm with M10	M10 x 90 mm	118 mm	100 kg	31A2/M10



Suitable for all S.A.C.H. feet and all dynamic feet.



Ankle Block -PUR- light

- max. patient weight: 100 kg
- complete with bolted connection in steel
- suitable for left and right side
- spare socket cap screw M8, steel 90 mm 22A2/M8
- spare socket cap screw M10 steel 90 mm 22A2/M10

Foot size	Thread	Height	max. ⚖️ kg	Item-No.
up to 25 cm with M8	M8 x 90 mm	116 mm	100 kg	31A1/M8
up to 28 cm with M10	M10 x 90 mm	116 mm	100 kg	31A1/M10
up to 30 cm with M10	M10 x 90 mm	116 mm	100 kg	31A1/M10L



Suitable for all S.A.C.H. feet and for all dynamic feet.



Bolted Connection Set

- for ankle block 31A1 and 31A2
- consists of: 1 drive-in nut, 1 hex socket cap screw (22A2/M8 or 22A2/M10), 1 x washer

Material	Weight	Thread x length	Item-No.
Stainl. Steel	45 g	M8 x 85 mm	31A1/E8
Stainl. Steel	65 g	M10 x 90 mm	31A1/E10



Socket Cap Screw -Titanium-

- suitable for 31A1 and 31A2
- for weight reduction

Material	Weight	Thread x length	Item-No.
Titanium	25 g	M8 x 85 mm	22A3/8x85
Titanium	35 g	M10 x 90 mm	22A3/10x90



Ankle Block -PUR- Light

- for all single-axis feet
- use in connection with a universal foot adapter 32A1

Foot size	Side	Height	max.  kg	Item-No.
22 cm	left	155 mm	100 kg	31A4/22L
22 cm	right	155 mm	100 kg	31A4/22R
23 cm	left	155 mm	100 kg	31A4/23L
23 cm	right	155 mm	100 kg	31A4/23R
24 cm	left	155 mm	100 kg	31A4/24L
24 cm	right	155 mm	100 kg	31A4/24R
25 cm	left	155 mm	100 kg	31A4/25L
25 cm	right	155 mm	100 kg	31A4/25R
26 cm	left	155 mm	100 kg	31A4/26L
26 cm	right	155 mm	100 kg	31A4/26R
27 cm	left	155 mm	100 kg	31A4/27L
27 cm	right	155 mm	100 kg	31A4/27R
28 cm	left	155 mm	100 kg	31A4/28L
28 cm	right	155 mm	100 kg	31A4/28R



Ankle Block -Wood-

- with enclosed nylon bushing
- for all single-axis feet
- use in connection with a universal foot adapter 32A1

Foot size	Side	Height	max. ⚖️ kg	Item-No.
22 cm	left	152 mm	100 kg	31A3/22L
22 cm	right	152 mm	100 kg	31A3/22R
23 cm	left	152 mm	100 kg	31A3/23L
23 cm	right	152 mm	100 kg	31A3/23R
24 cm	left	152 mm	100 kg	31A3/24L
24 cm	right	152 mm	100 kg	31A3/24R
25 cm	left	152 mm	100 kg	31A3/25L
25 cm	right	152 mm	100 kg	31A3/25R
26 cm	left	152 mm	100 kg	31A3/26L
26 cm	right	152 mm	100 kg	31A3/26R
27 cm	left	152 mm	100 kg	31A3/27L
27 cm	right	152 mm	100 kg	31A3/27R
28 cm	left	152 mm	100 kg	31A3/28L
28 cm	right	152 mm	100 kg	31A3/28R



Ankle Block -Wood-

- for all S.A.C.H. and dynamic feet
- without bolted connection
- suitable for right and left side

Foot size	Height	max. ⚖️ kg	Item-No.
22 - 25 cm	136 mm	100 kg	31A5/22-25
26 - 30 cm	136 mm	100 kg	31A5/26-30



Bolted Connection Set

- for all dynamic and S.A.C.H. feet with M8 thread
- for ankle block 31A5/22-25
- consisting of 1 hex socket cap screw 22A2/M8, 1 thread bushing, 1 washer, 1 lockwasher 16A8/M8F

Material	Weight	Thread x length	Item-No.
Steel	70 g	M8 x 90 mm	31A6/M8



Bolted Connection Set

- for all dynamic and S.A.C.H. feet with M10 thread
- for ankle block 31A5
- consisting of 1 hex socket cap screw 22A2/M10, 1 thread bushing, 1 washer, 1 lockwasher 16A8/M10F

Material	Weight	Thread x length	Item-No.
Steel	90 g	M10 x 90 mm	31A6/M10

Modular Structural Parts



Modular Structural Parts

Even complicated residual limb positions are easy to supply, moreover there are manifold options to do so. We offer a wide variety of elaborate modular structural parts that enable you to align functional and modern prostheses.

For many years now, our staff members have been developing parts that are 100 % made by Streifeneder. The realization of the initial idea up to the finished product takes place in our own production facilities and of course corresponds to current ISO-standards. Our modular structural parts are made of different top quality material alloys. Depending on the individual requirements, they are able to offer a maximum amount of safety to the amputee. Through adjusting screws and pyramid connections the alignment and the statics of a prosthesis can be individually determined. The great variety of different adapters and their combination potential offers the orthopaedic technician a maximum of flexibility when aligning a prosthesis. Please do not allow the torque wrench to click more than once – further tightening will increase the torque, which may result in damaging the modular component. Release the torque wrench after tightening. Please bear in mind that once a year the torque wrench has to be recalibrated according to ISO certification standards. We would be glad to offer you this service.

Each structural part of the Streifeneder ortho.production is marked with a serial number. This facilitates the quality management of our customers and allows for a comprehensible and continuous documentation.

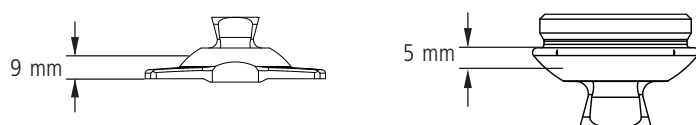


Modular Structural Parts

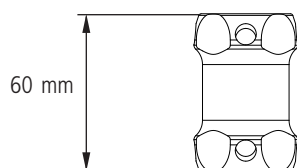
In order to support the orthopaedic technician when determining the effective system height of a prosthesis, Streifeneder ortho production has developed a simple system to establish the assembly height. For this purpose, you will find the assembly height of each individual component on the following pages.

In order to make the system as simple as possible, the assembly height of most components corresponds to the visible height when installed. An exception to this general rule are components with tube clamp adapters, where the assembly height is the total height of the component minus the depth of penetration of the tube.

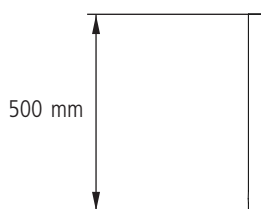
If a component equipped with pyramidal connector plunges into an adapter, the assembly height is calculated up to the visible middle of the calotte.



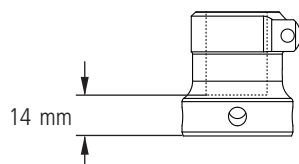
When using components with adjusting core, the total height is equal to the assembly height because the component is entirely visible when installed.



In the case of tubes, the total length is taken to calculate the assembly height.



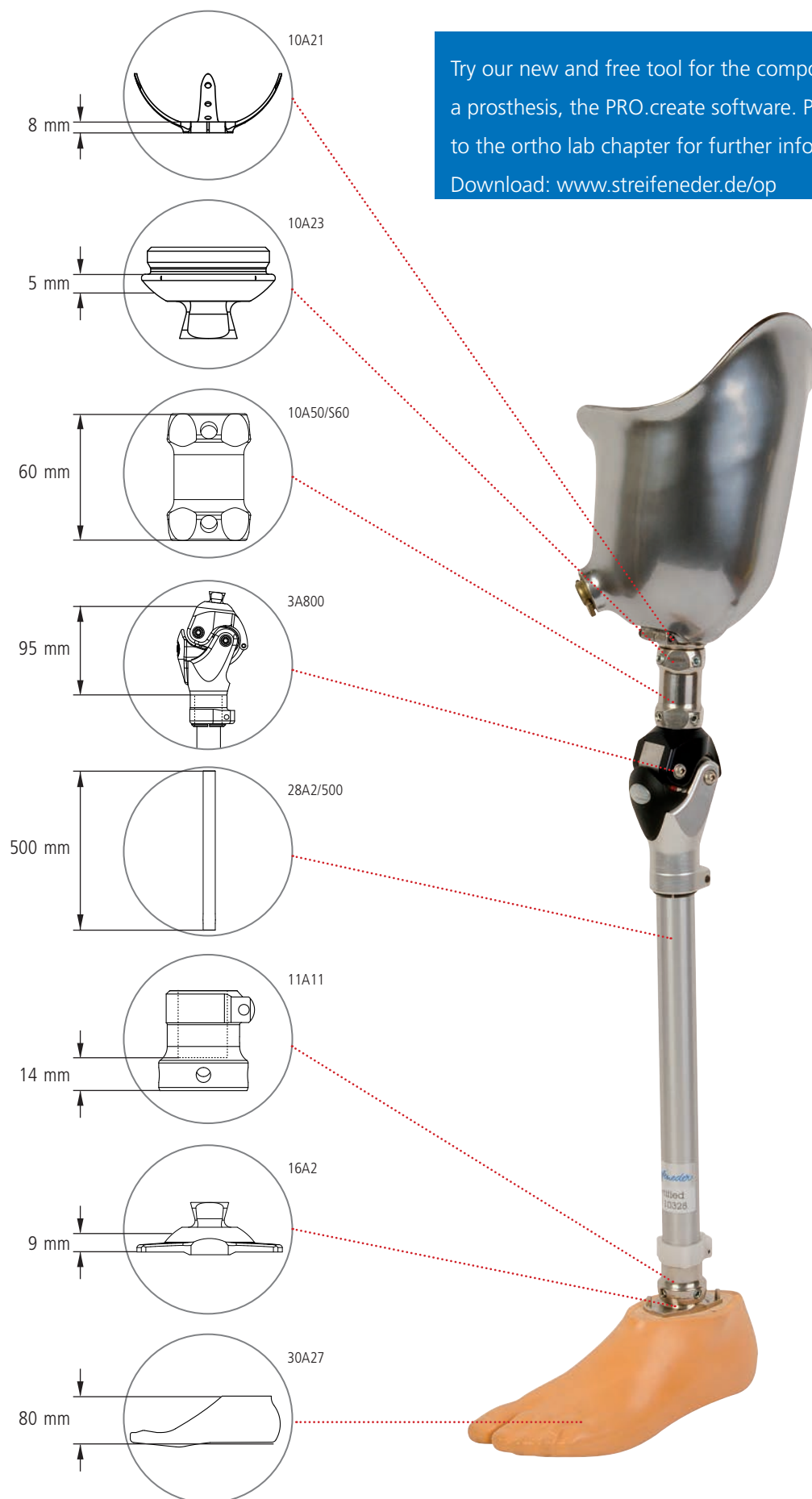
For screw adapters with tube clamp adapters, where the assembly height is the total height of the adapter minus the depth of penetration of the tube.



Adding up the individual assembly heights results in the system height of the prosthesis (as depicted in the example on the opposite page).

Try our new and free tool for the composition of a prosthesis, the PRO.create software. Please refer to the ortho lab chapter for further information.

Download: www.streifeneder.de/op



Total height: 771 mm



Tube Adapter -Stainless Steel-, Ø 34 mm

- with light metal tube Ø 34 x 2 mm
- anodized in silver colour
- with 4 set screws 22A2/M8x14 zinc plated

Tube ø	Weight	Eff. height	max. ↑ kg	Item-No.
34 mm	250 g	min. 100 mm max. 215 mm	150 kg	150A3/S200
34 mm	360 g	min. 100 mm max. 415 mm	150 kg	150A3/S400



Tube Adapter -Titanium-, Ø 34 mm

- with light alloy tube Ø 34 x 2 mm
- anodized in silver colour
- with 4 set screws 22A2/M8x14 zinc plated

Tube ø	Weight	Eff. height	max. ↑ kg	Item-No.
34 mm	215 g	min. 100 mm max. 215 mm	150 kg	150A4/T225
34 mm	330 g	min. 100 mm max. 415 mm	150 kg	150A4/T445



Light Alloy Tube

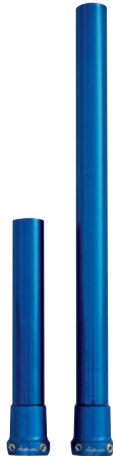
- light alloy tube Ø 34 x 5 mm
- silver anodized
- suitable for adapters with tube holder Ø 34 mm

Material	Length	Weight	max. ↑ kg	Item-No.
Aluminum	300 mm	460 g	225 kg	28A3/A300



Modular system for 225 kg!

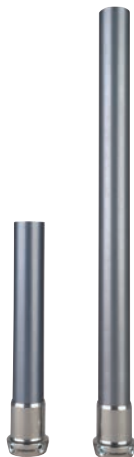
Modular Structural Parts



Tube Adapter -Aluminum-

- with light alloy tube Ø 30 x 2 mm
- blue anodised
- with 4 adjustment set screws 22A2/M8x14, zinc-plated

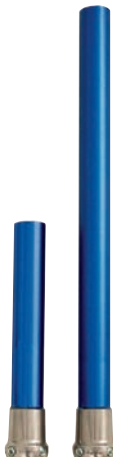
Tube ø	Weight	Eff. height	max. ↑ kg	Item-No.
30 mm	140 g	min. 78 mm max. 213 mm	100 kg	15A2/A200
30 mm	230 g	min. 78 mm max. 413 mm	100 kg	15A2/A400



Tube Adapter -Titanium-

- with light alloy tube Ø 30 x 2 mm
- blue anodised
- with 4 adjustment set screws 22A2/M8x12, zinc-plated
- 15A4/T445: activity level (walky) 3

Tube ø	Weight	Eff. height	max. ↑ kg	Item-No.
30 mm	160 g	min. 78 mm max. 213 mm	175 kg	15A4/T225
30 mm	260 g	min. 78 mm max. 413 mm	175 kg	15A4/T445



Tube Adapter -Stainless Steel-

- with light alloy tube Ø 30 x 2 mm
- blue anodised
- with 4 adjustment set screws 22A2/M8x14, zinc-plated

Tube ø	Weight	Eff. height	max. ↑ kg	Item-No.
30 mm	190 g	min. 78 mm max. 213 mm	125 kg	15A3/S200
30 mm	310 g	min. 78 mm max. 413 mm	125 kg	15A3/S400

Modular Structural Parts

Light Alloy Tube



- grinded surface
- diameter 30 x 2 mm

Length	Weight	Anodised	max. ↑ kg	Item-No.
500 mm	250 g	grey	100 kg	28A2/A500

Rotary Adapter



- guarantees permanent backlash-freedom due to its new locking mechanism - even under continuously high and changing loads
- with the rotary adapter, rotating of the lower leg is possible in flexed as well as in extended position
- additional comfort for the patient
- rotation: 360°
- automatically re-locks into place
- the rotation adapter 10A16/S is authorized only for use in AK-protheses

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Stainless Steel	193 g	25 mm	125 kg	10A16/S



Frequently repeated every-day motions such as putting on shoes or getting into a car are therefore considerably easier.

Tube Adapter -short-



- made of one material
- with 4 adjustment set screws 22A2/M8x14, zinc-plated
- connection Ø 30 mm
- for high stress
- for very short below knee prostheses, reduceable to 57 mm

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Aluminum	93 g	min. 57 mm	100 kg	15A5/A100
Titanium	138 g	min. 57 mm	125 kg	15A5/T100
Stainl. Steel	230 g	min. 57 mm	150 kg	15A5/S100

Tube Adapter -rotatable -



- with 4 adjustment set screws 22A2/M8x12, zinc-plated
- connection Ø 30 mm
- in combination with 11A11, 10A42 or 3A40
- for minimal length compensation of 7 mm
- for rotation adjustment

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Aluminum	52 g	46 mm	100 kg	11A13/A
Titanium	70 g	46 mm	125 kg	11A13/T
Stainl. Steel	98 g	46 mm	150 kg	11A13/S

Modular Structural Parts



Screw Adapter Long -Titanium-, Ø 34 mm

- total height 55 mm
- for tubes with Ø 34 mm
- adjustment core adapter suitable for standard modular system
- with 4 adjusting screws 22A2/M8x12mm, zinc-plated

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Titanium	131 kg	16 mm	225 kg	11A250/T



Modular system up to max. 225 kg - with straight, non-adjustable construction!



Screw Adapter -Titanium-, Ø 34 mm

- overall height 55 mm
- tube clamp Ø 34 mm
- adjustment core adapter exclusively suitable for S.A.C.H. foot adapter 16A7/M14 and socket adapter 10A7/T
- with 4 adjustment set screws 22A2/M10x16

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Titanium	167 kg	21 mm	225 kg	11A225/T



Modular system for 225 kg!



Tube Clamp Adapter, Ø 34 mm

- total height 53 mm
- for tubes with Ø 34 mm
- with 4 set screws 22A2/M8x12 zinc-plated
- complete with clamping unit 11A125/E

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Titanium	88 g	14 mm	125 kg	11A125/T
Stainl. Steel	136 g	14 mm	125 kg	11A125/S



Service Parts Set for Clamping Unit, Ø 34 mm

- complete for all tube adapters with clamping unit Ø 34 mm
- consisting of: clamp pin, clamp pin with thread, socket cap screw

For adapter	Colour	Item-No.
Titanium	black	11A125/E1
Stainl. Steel	white	11A125/E2

Tube Clamp Adapter




- total height 47 mm
- for tubes Ø 30 mm
- with 4 adjustment set screws 22A2/M8x14, zinc-plated for 11A11/A
- with 4 adjustment set screws 22A2/M8x12, zinc-plated for 11A11/T and 11A11/S and complete clamping unit 11A11/E1

Material	Weight	Eff. height	max.  kg	Item-No.
Aluminum	62 g	14 mm	100 kg	11A11/A
Titanium	70 g	14 mm	175 kg	11A11/T
Stainl. Steel	120 g	14 mm	125 kg	11A11/S

Tube Clamp Adapter



- total height 47 mm
- for tubes with Ø 30 mm
- with 4 adjustment set screws 22A2/M8x12, zinc-plated

Material	Weight	Eff. height	max.  kg	Item-No.
Stainl. Steel	135 g	14 mm	125 kg	11A17/S
Titanium	82 g	14 mm	175 kg	11A17/T

Tube Clamp Adapter - 10° tilt -



- total height 55 mm
- for tubes Ø 30 mm
- in connection with modular hip joint 7A4 and 7A5
- with 4 adjustment set screws 22A2/M8x12, zinc-plated
- and complete clamping unit 11A11/E

Material	Weight	Eff. height	max.  kg	Item-No.
Aluminum	63 g	21 mm	75 kg	11A12/A
Titanium	75 g	21 mm	100 kg	11A12/T
Stainl. Steel	125 g	21 mm	125 kg	11A12/S

Modular Structural Parts



Tube Clamp Adapter, 20° tilt

- destined exclusively for prosthetic supplies of the lower extremities
- recommended for larger pelvic baskets
- total height 58 mm
- for tubes Ø 30 mm
- in connection with modular hip joint 7A5
- with 4 adjustment set screws 22A2/M8x12, zinc-plated
- and complete clamping unit 11A11/E

Material	Weight	Eff. height	max. ⚖ kg	Item-No.
Titanium	80 g	24 mm	100 kg	11A20/T



Tube Clamp Adapter with Adjustment Core

- total height 55 mm
- tube clamp adapter Ø 30 mm
- and complete clamping unit 11A11/E

Material	Weight	Eff. height	max. ⚖ kg	Item-No.
Aluminum	70 g	6 mm	100 kg	11A15/A
Titanium	72 g	6 mm	100 kg	11A15/T
Stainl. Steel	115 g	6 mm	125 kg	11A15/S



Service Parts Set - Clamping Unit - Ø 30 mm

- complete for all tube adapters with clamping unit Ø 30 mm
- consists of: clamp pin, clamp pin with thread, socket cap screw

For adapter	Colour	Item-No.
Aluminum or Titanium	black	11A11/E1
Stainl. Steel	white	11A11/E2



Slide Adapter with Lamination Anchor

- for direct lamination into below knee prostheses for connection with S.A.C.H. feet adapter
- for additional translational adjustment
- with 4 adjustment set screws 22A2/M8x12, zinc-plated
- with tensioning screw 22A2/M6x30 (for aluminum adapter)
- adjustment range: aluminum +/- 9 mm, titanium +/- 11 mm

Material	Weight	Eff. height	max. ⚖ kg	Item-No.
Aluminum	135 g	49 mm	75 kg	10A41/A
Titanium	183 g	49 mm	100 kg	10A41/T



Silicone Dummy

- for adapters 10A41/A and 10A41/T
- protects the dovetail guide when laminating
- no plastiline necessary

	Item-No.
	10A41/AE3
	10A41/TE3



Slide Adapter

- to be directly laminated in for tibial prostheses
- for additional translamination adjustments
- adjustment range: +/- 11mm
- Silicone Dummy 10A41/TE3 not included

Material	Weight	Eff. height	max. \uparrow kg	Item-No.
Titanium	189 g	32 mm	100 kg	10A46/T



Slide Adapter, Ø 30 mm

- total height 10A42/A = 72 mm
- total height 10A42/T = 68 mm
- for direct mount on tube adapter
- for additional translational adjustment
- 10A42/A: with 4 adjustment set screws 22A2/M8x14, zinc-plated
- 10A42/T: with 4 adjustment set screws 22A2/M8x12, zinc-plated; activity level (walky): 3
- with tensioning screw 22A2/M6x30 (for aluminum adapter)
- adjustment range: aluminum +/- 9 mm, titanium +/- 11mm

Material	Weight	Eff. height	max. \uparrow kg	Item-No.
Aluminum	137 g	39 mm	75 kg	10A42/A
Titanium	185 g	35 mm	100 kg	10A42/T

Modular Structural Parts



Slide Adapter -Titanium-, Ø 34 mm

- total height 76 mm
- for direct mount on tube adapter
- for additional translational adjustment
- with clamping unit 11A125/E1
- with 4 adjustment set screws 22A2/M8x12, zinc-plated
- with 2 tensioning screws 22A3/M6x8
- adjustment range +/-11 mm

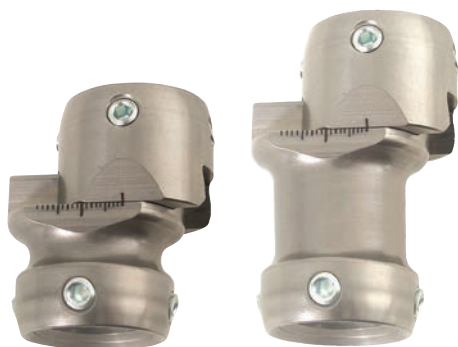
Material	Weight	Eff. height	max. ⚙ kg	Item-No.
Titanium	168 g	34 mm	125 g	100A42/T



Slide Adapter -Aluminum-

- above and below with 4 adjustment set screws 22A2/M8x12 zinc-plated
- for connection between two adjustment cores
- for distal and proximal change of angle
- with additional translation adjustment
- adjustment range +/-9 mm

Material	Weight	Eff. height	max. ⚙ kg	Item-No.
Aluminum	155 g	60 mm	75 kg	10A43/A60
Aluminum	165 g	75 mm	75 kg	10A43/A75



Slide Adapter -Titanium-

- above and below with 4 adjustment set screws 22A2/M8x12 zinc-plated
- for connection between two adjustment cores
- for distal and proximal change of angle
- with additional translation adjustment
- adjustment range +/-11 mm

Material	Weight	Eff. height	max. ⚙ kg	Item-No.
Titanium	214 g	60 mm	100 kg	10A43/T60
Titanium	224 g	75 mm	100 kg	10A43/T75



Slide Adapter with two Adjustment Cores

- for connection between two tube clamp adapters
- for distal and proximal change of angle
- with additional translation adjustment
- adjustment range: aluminum +/- 9 mm, titanium +/- 11 mm

Material	Weight	Eff. height	max. ⚙ kg	Item-No.
Aluminum	158 g	36 mm	75 kg	10A45/A
Titanium	150 g	22 mm	100 kg	10A45/T

Modular Structural Parts

Double Adapter -Aluminum-



- above and below with 4 adjustment set screws 22A2/M8x12 zinc-plated
- connection between two adjustment cores
- for distal and proximal change of angle

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Aluminum	60 g	32 mm	100 kg	10A50/A32
Aluminum	63 g	36 mm	100 kg	10A50/A36
Aluminum	66 g	40 mm	100 kg	10A50/A40
Aluminum	70 g	45 mm	100 kg	10A50/A45
Aluminum	73 g	50 mm	100 kg	10A50/A50
Aluminum	76 g	55 mm	100 kg	10A50/A55
Aluminum	79 g	60 mm	100 kg	10A50/A60
Aluminum	82 g	65 mm	100 kg	10A50/A65
Aluminum	85 g	70 mm	100 kg	10A50/A70
Aluminum	90 g	75 mm	100 kg	10A50/A75

Double Adapter -Titanium-



- above and below with 4 adjustment set screws 22A2/M8x12 zinc-plated
- connection between two adjustment cores
- for distal and proximal change of angle

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Titanium	82 g	32 mm	125 kg	10A50/T32
Titanium	96 g	45 mm	125 kg	10A50/T45
Titanium	108 g	60 mm	125 kg	10A50/T60
Titanium	122 g	75 mm	125 kg	10A50/T75

Double Adapter -Stainless Steel-



- above and below with 4 adjustment set screws 22A2/M8x12 zinc-plated
- connection between two adjustment cores
- for distal and proximal change of angle

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Stainl. Steel	114 g	32 mm	150 kg	10A50/S32
Stainl. Steel	139 g	45 mm	150 kg	10A50/S45
Stainl. Steel	162 g	60 mm	150 kg	10A50/S60
Stainl. Steel	194 g	75 mm	150 kg	10A50/S75

Modular Structural Parts

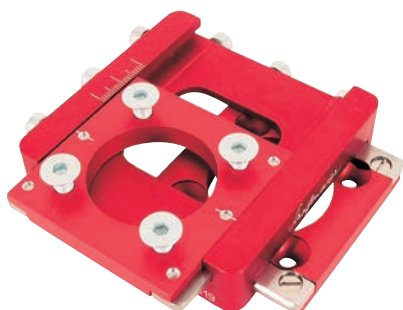


Sliding Plate

The sliding plate 10A30/A is designed for exclusive use at test runs within the orthopaedic workshop. Application into the final prosthesis is not permitted. The sliding plate can be used up to a maximum body weight of 100 kg. The moving parts of the sliding plate feature Euro connections, adapters with a bolt circle of approx. 51 mm can be screwed in.

The threaded holes allow adjustment ranges of 9, 18, 27 or 36 mm. These are possible lateral, medial, as well as anterior and posterior. When using socket adapters with adjusting ring please apply adapter discs (10A96/SE1) for balancing. Counter sink screws of various lengths can be chosen (torque of all counter sink screws is 12 Nm).

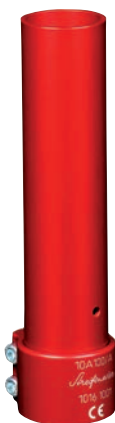
Material	Weight	Eff. height	max.  kg	Item-No.
Aluminum	120 g	8 mm	100 kg	10A30/A



Adjusting Device for Modular Prostheses


- use only during test runs within the orthopaedic workshop
- serves as an adjustment aid during fittings
- slide possibility in sagittal and frontal level
- adjustment range +/- 25 mm with calibration

Material	Weight	Eff. height	max.  kg	Item-No.
Alum./Steel	260 g	20 mm	100 kg	10A40/A



Vario Test Tube -Aluminum-

- intended only for use during test runs inside the orthopaedic workshop
- allows continuous height adjustment of the prosthesis during the trial phase
- due to its many adapting possibilities, it can be mounted in lots of varieties
- adjustable height: 65 mm
- proximal outer diameter: Ø 34 mm
- distal inner diameter: Ø 30 mm

Weight	Anodised	max.  kg	Item-No.
134 g	red	125 kg	10A100/A

Double Adapter with Adjustment Core



- 4 adjustment set screws 22A2/M8x12 zinc-plated
- for extension of a socket adapter with adjustment core
- for distal and proximal change of angle

Material	Weight	Eff. height	max. ⚖ kg	Item-No.
Aluminum	74 g	36 mm	100 kg	11A14/A
Titanium	112 g	36 mm	125 kg	11A14/T
Stainl. Steel	169 g	36 mm	150 kg	11A14/S

Double Adapter with Two Adjustment Cores



- made of aluminum
- for connection between two tube clamp adapters
- for distal and proximal change of angle

Material	Weight	Eff. height	max. ⚖ kg	Item-No.
Aluminum	78 g	15 mm	100 kg	10A60/A41
Aluminum	92 g	23 mm	100 kg	10A60/A50

Socket Adapter -rotatable-



- above with adjustment core
- below with connection Ø 30 mm
- in combination with 11A11, 10A42 or 3A40
- for length compensation up to 7 mm
- for rotation adjustment

Material	Weight	Eff. height	max. ⚖ kg	Item-No.
Titanium	65 g	37 mm	125 kg	11A16/T
Stainl. Steel	91 g	37 mm	150 kg	11A16/S

Modular Structural Parts

Socket Adapter



- with adjustment core
- with center bore Ø 8,5 mm
- for connections to different modular components or socket attachments

Material	Weight	Eff. height	max. ⚖ kg	Item-No.
Aluminum	50 g	8 mm	100 kg	10A90/A
Titanium	50 g	8 mm	175 kg	10A90/T
Stainl. Steel	87 g	8 mm	150 kg	10A90/S

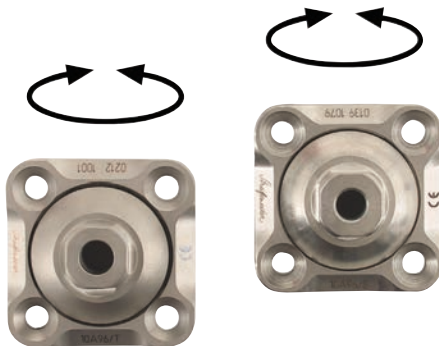
Socket Adapter without Seat Ring



- with adjustment core
- and center bore Ø 8,5 mm
- use for even connection surfaces

Material	Weight	Eff. height	max. ⚖ kg	Item-No.
Titanium	48 g	8 mm	100 kg	10A90/TF

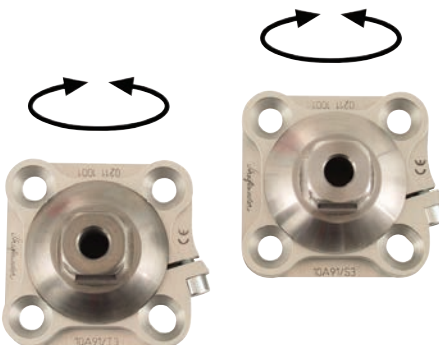
Socket Adapter -rotatable-



- with adjustment core
- with center bore Ø 8,5 mm
- for connections to different modular components or socket attachments
- with additional rotation adjustment (raster adjustment)
- replacement pressure plate 10A96/SE1

Material	Weight	Eff. height	max. ⚖ kg	Item-No.
Titanium	70 g	10 mm	100 kg	10A96/T
Stainl. Steel	125 g	10 mm	125 kg	10A96/S

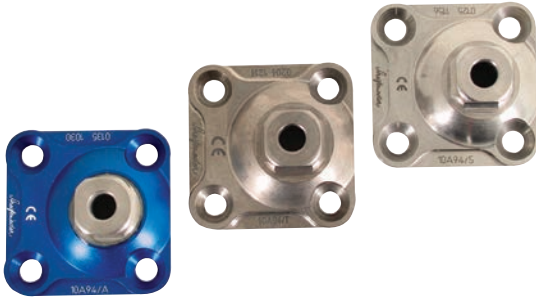
Socket Adapter -rotatable-



- with adjustment core
- with center bore Ø 8,5 mm
- for connections to different modular components or socket attachments
- continuous rotation adjustment via thread

Material	Weight	Eff. height	max. ⚖ kg	Item-No.
Alum./Titan.	65 g	12 mm	100 kg	10A91/T3
Alum./Steel	98 g	12 mm	100 kg	10A91/S3

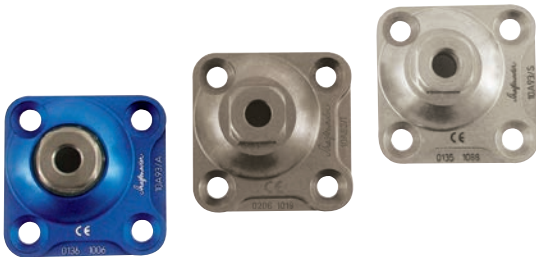
Socket Adapter -excentric-



- with 7 mm axially dislocated adjustment core
- with center bore Ø 8,5 mm
- for connections to different modular components or socket attachments
- 7 mm axial offset

Material	Weight	Eff. height	max. ⬆ kg	Item-No.
Aluminum	50 g	8 mm	75 kg	10A94/A
Titanium	58 g	8 mm	100 kg	10A94/T
Stainl. Steel	100 g	8 mm	125 kg	10A94/S

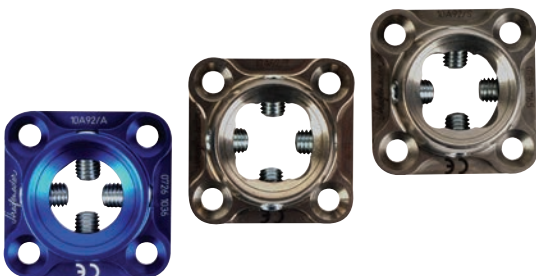
Socket Adapter -excentric-



- with 5 mm diagonally dislocated adjustment core
- with center bore Ø 8,5 mm
- for connections to different modular components or socket attachments
- 5 mm diagonal offset

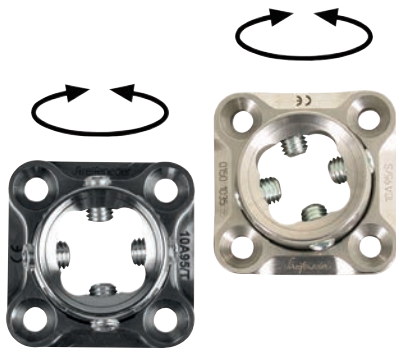
Material	Weight	Eff. height	max. ⬆ kg	Item-No.
Aluminum	50 g	8 mm	75 kg	10A93/A
Titanium	62 g	8 mm	100 kg	10A93/T
Stainl. Steel	102 g	8 mm	125 kg	10A93/S

Socket Adapter



- with adjustment core support
- with 4 adjustment set screws 22A2/M8x12, zinc-plated
- for connections to different modular components or socket attachments

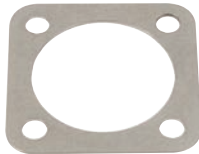
Material	Weight	Eff. height	max. ⬆ kg	Item-No.
Aluminum	44 g	16 mm	100 kg	10A92/A
Titanium	55 g	16 mm	100 kg	10A92/T
Stainl. Steel	88 g	16 mm	125 kg	10A92/S



Socket Adapter with Rotation Adjustment

- with adjustment core support
- with 4 adjustment set screws 22A2/M8x12 zinc-plated
- for connection of different modular parts or distal socket ends
- with additional rotation adjustment (raster adjustment)
- replacement pressure plate 10A96/SE1

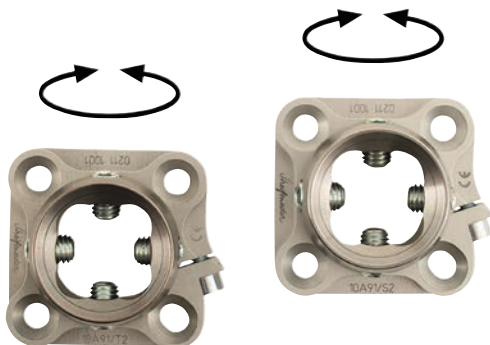
Material	Weight	Eff. height	max. ↑ kg	Item-No.
Titanium	76 g	18 mm	175 kg	10A95/T
Stainl. Steel	125 g	18 mm	125 kg	10A95/S



Pressure Plate

- replacement for socket adapter 10A96
- 1 mm distance compensation to other modular parts

Material	Weight	Height	Item-No.
Stainl. Steel	10 g	1 mm	10A96/SE1



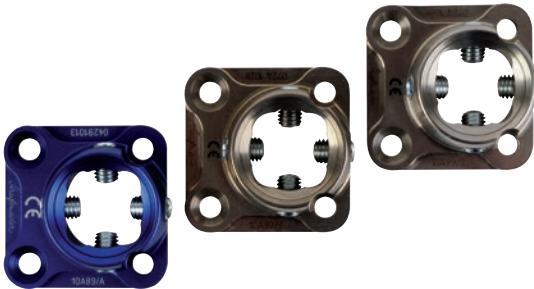
Socket Adapter -rotatable-

- with adjustment core support
- with 4 adjustment set screws
- for connection of different modular parts or distal socket ends
- continuous rotation adjustment via M36 inner thread

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Alum./Titan.	77 g	22 mm	100 kg	10A91/T2
Alum./Steel	106 g	22 mm	100 kg	10A91/S2



Socket Adapter -excentric-



- activity level (walky): 1 to 3
- with adjustment core support
- 7 mm axially dislocated
- with 4 adjustment set screws 22A2/M8x12 zinc-plated
- for connection of different modular parts or distal socket ends

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Aluminum	42 g	16 mm	75 kg	10A89/A
Titanium	55 g	16 mm	100 kg	10A89/T
Stainl. Steel	90 g	16 mm	100 kg	10A89/S

Socket Adapter



- with adjustment core
- for trans-tibial sockets
- with wide groove
- for direct lamination
- with lamination dummy 22A8
- with center bore Ø 8,5 mm

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Aluminum	57 g	14 mm	100 kg	10A3/A
Titanium	48 g	14 mm	175 kg	10A3/T
Stainl. Steel	85 g	14 mm	100 kg	10A3/S

Socket Adapter



- with adjustment core support
- with adjustment set screws 22A2/M8x12
- with lamination anchor
- for trans-tibial sockets
- for direct lamination
- including of lamination dummy 22A10

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Aluminum	53 g	24 mm	100 kg	10A6/A
Titanium	85 g	24 mm	100 kg	10A6/T
Stainl. Steel	130 g	24 mm	100 kg	10A6/S

Modular Structural Parts



Lamination Dummy

- for socket adapter 10A6
- for protection of the adjustment core support during the lamination process
- with adjustment core marking
- no need for plasticine

Material	Item-No.
Silicone	22A10



Socket Adapter

- with adjustment core
- overall height 52 mm
- for BK socket
- extra wide notch
- for direct lamination
- adjustment core exclusively suitable for screw adapter 11A225/T

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Titanium	213 g	23 mm	225 kg	10A7/T



Modular system for 225 kg!



Socket Adapter

- with adjustment core
- max. 10 mm offset
- for AK and BK sockets
- quick interim socket

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Aluminum	155 g	14 mm	100 kg	10A44/A



Lamination Dummy


- accessory
- for socket adapter 10A44/A
- used as deep-drawing or lamination aid

Material	Item-No.
POM	10A44/D



Socket Adapter


- with adjustment core and lamination anchor
- for direct lamination into trans-femoral sockets
- with lamination dummy 22A8

Material	Weight	Eff. height	max.  kg	Item-No.
Stainl. Steel	125 g	12 mm	150 kg	10A5/S



Socket Adapter -rotatable-

- with adjustment core and lamination anchor
- for direct lamination into trans-femoral sockets
- with center bore Ø 8,5 mm
- continuous rotation adjustment possible
- including socket cap screw 22A2/M5x30

Material	Weight	Eff. height	max.  kg	Item-No.
Titanium/Steel	135 g	13 mm	100 kg	10A1/TS
Stainl. Steel	145 g	13 mm	125 kg	10A1/S



Please order our Lamination Dummy 22A9 separately!

Modular Structural Parts



Socket Adapter -rotatable-

- with adjustment core support
- with adjustment set screws 22A2/M8x12, zinc-plated
- with lamination anchor
- for direct lamination into trans-femoral sockets
- continuous rotation adjustment possible
- including socket cap screw 22A2/M5x30

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Titanium/Steel	130g	21 mm	100 kg	10A2/TS
Stainl. Steel	169 g	21 mm	125 kg	10A2/S



Please order our Lamination Dummy 22A9 separately!



Socket Adapter

- with M36 inner thread
- for combination with rotatable adapters Titanium or Stainless Steel
- for direct lamination into trans-femoral sockets
- continuous rotation adjustment possible
- including socket cap screw 22A2/M5x20

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Edelstahl	92 g	8 mm	125 kg	10A21/S



Please order our Lamination Dummy 22A9 separately!



Socket Adapter, 4-Arm

- rotation adjustment with adjustment core
- for wet laminations to AK-sockets
- also suitable for direct connections to check sockets
- continuous rotation adjustment possible
- including socket cap screw 22A2/M5x20

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Stainl. Steel	145 g	23 mm	150 kg	10A8/S



Please order our Lamination Dummy 22A9 separately!



Socket Adapter, 4-Arm

- rotation adjustment with adjustment core support
- for wet laminations to AK-sockets
- also suitable for direct connections to check sockets
- continuous rotation adjustment possible
- including socket cap screw 22A2/M5x20

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Stainl. Steel	160 g	28 mm	150 kg	10A9/S



Please order our Lamination Dummy 22A9 separately!



Socket Adapter, 4-Arm

- with M36 internal thread
- for combinations with titanium or stainless steel rotation adapter
- for wet laminations to AK- and BK-sockets
- also suitable for direct connections to check sockets
- continuous rotation adjustment possible
- including socket cap screw 22A2/M5x20

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Stainl. Steel	110 g	15 mm	150 kg	10A25/S



Please order our Lamination Dummy 22A9 separately!



Socket Adapter -rotatable-

- with 4 adjustment set screws 22A2/M8x12, zinc-plated
- with M36 outer thread
- for combination with M36 inner thread and socket adapter 10A21/S and 10A25/S

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Titanium	42 g	13 mm	175 kg	10A22/T
Stainl. Steel	69 g	13 mm	125 kg	10A22/S

Modular Structural Parts



Socket Adapter -rotatable-

- with adjustment core
- with M36 outer thread
- with center bore Ø 8,5 mm
- for combination with M36 thread and socket adapter 10A21/S and 10A25/S

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Titanium	40 g	5 mm	175 kg	10A23/T
Stainl. Steel	65 g	5 mm	125 kg	10A23/S



Socket Adapter -rotatable-

- max. patient weight 125 kg in combination with 10A21/S
- max. patient weight 150 kg in combination with 10A25/S
- can be combined with M36 thread
- with adjustment core
- with M36 outer thread

Material	Weight	Eff. height	Item-No.
Stainl. Steel	65 g	8 mm	10A24/S



Lamination Dummy

- for adapter with adjustment core
- for protection of the adjustment core during the lamination process
- without bore

Material	Item-No.
Silicone	22A8



Lamination Dummy

- for positioning of the lamination anchor onto the plaster positive
- for socket adapter 10A1, 10A2, 10A8, 10A9, 10A21 and 10A25 with M36 inner thread

Material	Item-No.
POM	22A9



Socket Attachment Block

- with poplar wood
- 4 countersink head bolts 22A5/M6x20
- incl. lamination dummy 12A3/E2 and sealing grease 22A100
- with plastic for optimal sanding
- for better connection with laminate and for easier sanding

Block	Height	max. ↑ kg	Item-No.
Ø 148 mm	65 mm	125 kg	12A5
Ø 120 mm	65 mm	125 kg	12A3
Ø 120 mm	30 mm	125 kg	12A7



Socket Attachment Block

- for thermoplastic socket
- for transfemoral and transtibial sockets
- quick interims-socket
- aluminum
- incl. countersink screws M6x30

DS = distal stump-circumference

Ds	Eff. height	max. ↑ kg	Item-No.
400 mm	25 mm	100 kg	12A1/1
320 mm	20 mm	100 kg	12A1/2
250 mm	20 mm	100 kg	12A1/3



Lamination Dummy

for socket attachment block

- for 12A3, 12A5, 12A7
- for safe sealing during the lamination process
- use of plasticine clay is not necessary any more

Item-No.
12A3/E2

Modular Structural Parts



Socket Adapter with Tube Clamp

- for adjustable connection between trans-tibial socket and distal modular parts
- with lamination or deep drawing pan
- setting range adjustable with center bolt
- adjustable in frontal level +/- 8 mm
- adjustable in sagital level +/- 6 mm
- including lamination dummy -silicone- (12A8/E5L)
- including deep drawing dummy -silicone- (12A8/E5T)

T.-Height = total height

Effective Height = indicated value + socket material thickness

Socket	T.-height	Eff. height	max.  kg	Item-No.
Resin	68 mm	30 mm	100 kg	12A8/L
Thermoplastic	56 mm	22 mm	100 kg	12A8/T



Socket Adapter with Adjustment Core

- for adjustable connection between trans-tibial socket and distal modular parts
- with lamination or deep drawing pan
- setting range adjustable with center bolt
- adjustable in frontal level +/- 8 mm
- adjustable in sagital level +/- 6 mm

T.-Height = total height

Effective Height = indicated value + socket material thickness

Socket	T.-height	Eff. height	max.  kg	Item-No.
Resin	50 mm	29 mm	100 kg	12A9/L
Thermoplastic	40 mm	27 mm	100 kg	12A9/T


Knee Joints



Knee Joints

Prosthetic knee joint systems are used to replace the missing healthy knee joint. Their design must therefore meet very high technical demands in order to enable the amputee to live a carefree life again.

Which knee joint is used for which patient is first and foremost depending on the activity level of the patient. Therefore, it is crucial to diligently and correctly determine the activity level in order to achieve the best possible provisioning for the patient.

 Would you like to try out one of our
KINEGEN Knee Joints for 14 days?
Please give us a call.



The complete development process takes place here at Streifeneder, starting from the first conceptual idea until the product is finished.



Prosthetic knee joints must not only replace the biological knee joint but also partly take over the function of the missing muscular system as well. As a result, the prosthetic knee joint must meet numerous requirements – it has to provide the patient with a high degree of safety, meet the dynamic of the amputees and must be adjustable to his gait pattern.

Especially geriatric patients need a very good stability from heel strike to toe push-off. This can be achieved by different technical solutions such as a lock, a load-dependent brake, or by means of a polycentric knee joint as well. In order to achieve this stability, locked joints are primarily used for geriatric patients. They will allow for a bending of the lower limb (e. g. to sit down) only after the patient has manually unlocked them.

These needs are perfectly met by our knee joint KINEGEN.guard, which not only offers a load-dependant brake, but also a lock which can be deactivated and is backlash free.

If the patient becomes more active, it is essential to make his swing phase, which is now longer due to the increased walking speed, as comfortable as possible. Joints with adjustable load-dependent braking functions and knee-extending elastic elements such as the KINEGEN.basic provide the patient with an optimum mobility at low walking speeds.

Swing-phase controlled joints for medium walking speeds such as the KINEGEN.air are equipped with a load-dependent brake, a knee-extending spring element and a pneumatic system. The pneumatic system of the KINEGEN.air allows both independent and continuous adjustments of the kinetic resistance for flexion (bending) and extension (stretching) and the continuous adjustment of the final extension impact damping. Thus, the extension impact is comfortably damped prior to the full extension of the joint.

The KINEGEN.air-active 3A1800 is a polycentric knee joint with pneumatic swing phase control and an integrated extension assist. Due to the polycentric technology, an especially large flexion angle is achieved. Furthermore, the alignment of the multiple axes provides a shortening of the prosthetic leg during swing phase adding to an increased safety against stumbling.

For highly active patients we have developed our polycentric knee joint KINEGEN.stream. Due to its high performance hydraulic system, it offers a variety of adjustment possibilities and can therefore be optimally adjusted to the individual needs of the amputee.

KINEGEN Knee Joints by Streifeneder

With the KINEGEN series developed by Streifeneder and made in Germany we are able to offer an excellent choice of technically advanced prosthetic knee joints that answer to every requirement.



3A850 KINEGEN.guard

Brake Knee Joint with Lock

- Locking mechanism connects the upper and the lower part backlash-free, in order to offer a rigid joint with high safety level
- After deactivating the lock, the joint can be used as a knee joint with constant friction
- Both the braking force as well as the spring-loaded mechanism that supports the joint during extension can be individually adjusted to the patient



3A810 KINEGEN.basic

Brake Knee Joint

- Like 3A850, but without locking mechanism
- High stance phase stability through load-dependant brake and a joint axis shifted to the back
- Knee stability even when walking on an inclined plane
- Very smooth-running, therefore low expenditure of energy for the patient
- Interior, steplessly adjustable spring-loaded mechanism





3A1000 KINEGEN.air

Brake Knee Joint with Pneumatic Swing Phase Control

- Adjustable pneumatic final extension impact damping for optimum wearing comfort
- Pneumatic swing-phase control through adjustable dual-chamber pneumatics
- Easy adjustment of the pneumatics through flexion and extension damping which both can be independently configured
- High stance phase stability through load-dependant brake and a joint axis shifted to the back
- Knee stability even when walking on an inclined plane



3A1800 KINEGEN.air-active

Polycentric Knee Joint with Pneumatic Swing Phase Control

- due to the polycentric technology, an especially large flexion angle is achieved, furthermore, the alignment of the multiple axes provides a shortening of the prosthetic leg during swing phase adding to an increased safety against stumbling
- the pneumatic swing phase control in combination with the dynamic performance of the joint linkage ensures a harmonic and natural gait pattern of the prosthesis wearer
- pneumatic swing phase control by means of the adjustable pneumatic twin-chamber
- steplessly variable adjustment of the pneumatic extension- and flexion resistance
- extension support using an integrated extension assist
- mechanical stance phase safety provided by polycentric technology



KINEGEN Knee Joints by Streifeneder



3A2000 3A2100 3A2200

KINEGEN.stream Polycentric Knee Joint with Hydraulic Swing Phase Control

- Adjustable hydraulic final extension impact damping for optimum wearing comfort
- Stepless adjustment possibilities for hydraulic extension and flexion resistance
- Extension support via integrated pneumatic chamber
- Very good adaption to changing different speeds
- Mechanical stance phase control through polycentricity
- Shortening of the leg during swing phase through polycentric knee construction
- Proximal connection movable in A-P direction for up to 10 mm



reddot design award
winner 2010



3A2000 3A2100



3A2200



3A850 KINEGEN.guard Brake Knee Joint with Lock



- with lock for maximum stance phase stability
- lock may be deactivated for more mobile users
- high stance stability through load-dependant brake and posterior positioned joint axis
- interior, steplessly adjustable extension assist spring
- all settings may be made wearing the prostheses and in a sitting position

Technical Data

- max. patient weight: 125 kg
- activity level (walky): 1 to 2
- connection proximal: adjustment core
- connection distal: tube clamp: Ø 30 mm
- knee flexion angle: 145°
- overall height: 175 mm
- proximal height: 53 mm
- distal height: 122 mm
- effective height: 120 mm
- effective proximal height: 35 mm
- effective distal height: 85 mm

Accessories

- cosmetic soft foam cover 63A47

Material	Weight	Item-No.
Aluminum	850 g	3A850



After deactivating the lock, the KINEGEN.guard may also be used as a knee joint with friction brake. The friction as well as the extension assist spring may be individually adjusted to the patients' needs.



3A810 KINEGEN.basic Brake Knee Joint



- high stance stability through load-dependant brake and posterior positioned joint axis
- interior, steplessly adjustable extension assist spring
- all settings may be made wearing the prostheses and in a sitting position

Technical Data

- max. patient weight: 125 kg
- activity level (walky): 1 to 2
- connection proximal: adjustment core
- connection distal: tube clamp Ø 30 mm
- knee flexion angle: approx. 145°
- overall height: 175 mm
- proximal height: 53 mm
- distal height: 122 mm
- effective height: 120 mm
- effective proximal height: 35 mm
- effective distal height: 85 mm

Accessories

- cosmetic soft foam cover 63A47

Material	Weight	Item-No.
Aluminum	830 g	3A810

Cover for 3A810 KINEGEN.basic and 3A850 KINEGEN.guard



Components

- cover upper part and cover base part

Item-No.
3A850/E80



3A1000 KINEGEN.air Brake Knee Joint with Pneumatic Swing Phase Control



- wide activity range
- pneumatic extension impact absorption for optimal wearing comfort
- high stance stability through load dependent brake and back shifted joint axes
- knee certitude even when walking at angular levels
- easy adjustment via screws and brakes
- very smooth-running and therefore minimal expenditure of energy for the patient
- light weight (820 g without tube)

Technical Data

- max. patient weight: 125 kg
- activity level (walky): 1,5 to 3
- connection proximal: adjustment core
- connection distal: tube clamp Ø 34 mm
- knee flexion angle: 145°
- overall height: 249 mm
- proximal height: 53 mm
- distal height: 196 mm
- effective height: 185 mm
- effective proximal height: 39 mm
- effective distal height: 146 mm

Accessories:

- cosmetic soft foam cover 61A47/36-44

Material	Weight	Item-No.
Aluminum	820 g	3A1000



A fundamental benefit of the KINEGEN.air is the precisely adjustable shock absorbing action which damps the extension impact comfortably shortly before complete extension. Therefore the patient will not experience exposure to heavy or unnecessary forces on the stump and the gait pattern will be considerably smoother. Depending on the desired adjustment it is possible to achieve a completely impactfree feeling in the stump during knee-joint extension.



Spare Parts Set for 3A1000 KINEGEN.air

Item-No.
3A1000/E75



Cover with Logo for 3A1000 KINEGEN.air

Item-No.
3A1000/E80



3A1800 KINEGEN.air-active Polycentric Knee Joint with Pneumatic Swing Phase Control and Integrated Extension Assist Spring

- pneumatic swing phase control by means of the adjustable pneumatic twin-chamber
- steplessly variable adjustment of the pneumatic extension- and flexion resistance for a natural gait pattern
- extension support using an integrated extension assist spring
- mechanical stance phase safety provided by polycentric technology
- shortened leg during the swing phase by means of polycentric knee joint construction
- large flexion angle
- low in maintenance
- intuitive operation
- simple cosmetic covering

Technical data

- max. body weight: 125 kg
- activity level (walky): 2 to 3
- proximal connection: pyramid adapter; distal connection: tube clamp Ø 30 mm
- knee flexion angle: 150°
- overall height: 228 mm
- overall height joint head: 28 mm
- effective height: 178 mm
- effective proximal height: 14 mm
- effective distal height: 164 mm

Material	Weight	Item-No.
aluminum/stainless steel	approx. 960 g	3A1800



The pneumatic swing phase control in combination with the dynamic performance of the joint linkage ensures a harmonic and natural gait pattern of the prosthesis wearer.



3A2000 KINEGEN.stream Polycentric Knee Joint with Hydraulic Swing Phase Control



- controllable hydraulic extension-end-damping
- automatic gait-speed-adaption
- proximal slide option in the A-P dimension with a range of 10 mm
- length reduction of the lower leg during swing phase through polycentric linkage
- hydraulic double chamber system with infinitely adjustable extension and flexion resistances
- integrated pneumatic extension assist
- easily switchable into freewheel mode (cycling mode)
- various proximal connection options (pyramide and M36 threaded connection)
- energy saving initialization of swing phase
- polycentric provides mechanic stance control (posterior position of the pivot)
- high-capacity hydraulics due to bigger cylinder volume
- running smoothness due to high-quality needle bearings

Technical Data

- max. patient weight: 150 kg
- activity level (walky): 3 to 4
- connection proximal: adjustment core
- connection distal: adjustment core
- knee flexion angle: 136°
- overall height: 240 mm
- overall height of joint head: 38 mm
- effective height: 212 mm
- effective proximal height: 26 mm
- effective distal height: 186 mm

Accessories

- cosmetic soft foam cover 62A52 and 62A152

Material	Weight	Item-No.
Aluminum	1120 g	3A2000



The extension movement of the KINEGEN.stream is supported by a progressive spring and thereby causes a good adaption to walking speed. With the hydraulic swing phase control and the hydraulic shock absorption action we are able to create a harmonic gait pattern.



3A2100 KINEGEN.stream Polycentric Knee Joint with Hydraulic Swing Phase Control

- for exarticulation

Technical Data

- max. patient weight: 150 kg
- activity level (walky): 3 to 4
- connection proximal: M36 for 4 prong socket adapter
- connection distal: adjustment core
- knee flexion angle: 136°
- overall height: 240 mm
- overall height of joint head: 38 mm
- effective height: 213 mm
- effective proximal height: 27 mm
- effective distal height: 186 mm

Accessories

- cosmetic soft foam cover 62A52 and 62A152



Material	Weight	Item-No.
Aluminum	1175 g	3A2100



Please order the 4 prong socket adapter 10A25/S separately!



3A2200 KINEGEN.stream Polycentric Knee Joint with Hydraulic Swing Phase Control



- for exarticulation

Technical Data

- max. patient weight: 125 kg (since the 3 prong socket adapter has a maximum weight limit of 125 kg)
- activity level (walky): 3 to 4
- connection proximal: M36 for 3 prong socket adapter
- connection distal: adjustment core
- knee flexion angle: 136°
- overall height: 235 mm
- overall height of joint head: 33 mm
- effective height: 213 mm
- effective proximal height: 27 mm
- effective distal height: 186 mm

Accessories

- cosmetic soft foam cover 62A52 and 62A152

Material	Weight	Item-No.
Aluminum	1140 g	3A2200



Please order the 3 prong socket adapter 10A21/S separately!



Pyramid Connection for KINEGEN.stream

- suitable for all KINEGEN.stream knee joints
- connection proximal
- incl. screw, nut and adjustment core

Material	Weight	Eff. height	Item-No.
Stainl. Steel	100 g	6 mm	3A2000/E50



4-Arm-Anchor Connection M36 for KINEGEN.stream

- suitable for all KINEGEN.stream knee joints
- connection proximal: M36 for 4-arm-anchor (10A25/S)
- incl. screw, nut and M36 adapter

Material	Weight	Eff. height	Item-No.
Stainl. Steel	160 g	20 mm	3A2100/E50



3-Arm-Anchor Connection M36 for KINEGEN.stream

- suitable for all KINEGEN.stream knee joints
- connection proximal: M36 for 3-arm-anchor (10A21/S)
- incl. screw, nut and M36 adapter

Material	Weight	Eff. height	max. ↑ kg	Item-No.
Stainl. Steel	120 g	15 mm	125 kg	3A2200/E50



Rubber-Cover-Set for KINEGEN.stream

- suitable for knee joint KINEGEN.stream 3A2000, 3A2100 and 3A2200
- 1 x forepart
- 2 x sidepart

Item-No.
3A2000/E70



Elastomer Damper for KINEGEN.stream

- suitable for knee joint KINEGEN.stream 3A2000, 3A2100 and 3A2200
- set including 3 pcs.

Item-No.
3A2000/E80



3A16 Modular Single Axis Knee Joint -Stainless Steel-



- monocentric with receiver plate for socket attachment block

Recommendation

- for trans-femoral amputees
- with moderate functional level
- medium stance phase stability
- medium swing phase control
- very suitable for longer stump lengths
- not suitable for amputees with higher activity levels

Description

The knee axis connects the upper and lower joint sections with bushings. Stance phase stability is achieved by placing the knee axis posterior to the weight bearing line. Control of the swing phase is independently provided by the 21A30 Extension Assist and by adjustment of the axis friction.

Technical Data

- max. patient weight: 100 kg
- activity level (walky): 1
- knee flexion angle: approx. 155°
- height (knee center - upper edge): 25 mm

Accessories

- modular extension assist 21A30, cosmetic soft foam cover 61A47/36-44

Material	Weight	Eff. height	Item-No.
Stainl. Steel	342 g	42 mm	3A16/S



3A18 Modular Single Axis Knee Joint -Stainless Steel-



- monocentric

Recommendation

- for trans-femoral amputees
- with moderate functional level
- medium stance phase stability
- medium swing phase control
- not suitable for amputees with higher activity levels

Description

The knee axis connects the upper and lower joint sections with bushings. Stance phase stability is achieved by placing the knee axis posterior to the weight bearing line. Control of the swing phase is independently provided by the 21A30 Extension Assist and by adjustment of the axis friction.

Technical Data

- max. patient weight: 100 kg
- activity level (walky): 1
- knee flexion angle: approx. 155°
- height (knee center - upper edge): 32 mm

Accessories

- modular extension assist 21A30, cosmetic soft foam cover 61A47/36-44

Material	Weight	Eff. height	Item-No.
Stainl. Steel	358 g	42 mm	3A18/S

Modular Extension Assist for 3A16 and 3A18



Components

1 flexible plastic cover, 1 adjustment ring, 2 compression springs, 1 distal anchor shell, 1 wire bow

Item-No.
21A30



3A40 Modular Light Weight Knee Joint

- monocentric with manual lock

Recommendation

- for trans-femoral amputees
- with lower functional level
- high stance phase stability
- no swing phase control
- not suitable for amputees with moderate and higher activity levels

Description

The lower joint section with tube clamp is connected through the knee axis to the upper joint section with adjustment core. The adjustable manual lock in the lower joint section secures the joint in the extension position. Lock is released using the lock cable.

Technical Data

- max. patient weight: 100 kg
- activity level (walky): 1
- knee flexion angle: approx. 140°
- head height (knee center - upper edge): 35 mm

Accessories

- cosmetic soft foam cover 60A42/36-44, 60A47/36-44 or 60A52/36-44



Material	Weight	Eff. height	Item-No.
Aluminum/Stainless Steel	290 g	42 mm	3A40/A

Service Parts Set for 3A40

Components

1 plastic knee cap, 2 adjustment set screws, 1 lock bale with cable guide and perlon cord, 1 threaded fitting, short, 1 lock control slider, 1 plastic ring, 2 extension stops



Item-No.
3A40/E2

Perlon Cable

- for lock handle
- and lock control unit 4A46



Length	Item-No.
2 m	21E18



3A33 Modular Single Axis Knee Joint -Titanium-



- monocentric
- with lock and spring extension assist

Recommendation

- for trans-femoral amputees
- with lower functional level
- high stance phase stability
- no swing phase control
- not suitable for amputees with moderate and higher activity levels

Description

The knee axis connects the upper and lower joint section with bushings and ball bearings. The adjustable lock secures the knee in extension. Release of flexion via lock cable. Self-acting lock at full extension with the help of the extension assist.

Technical Data

- max. patient weight: 125 kg
- activity level (walky): 1
- knee flexion angle: approx. 120°
- head height (knee axis center - upper edge): 37 mm

Accessories

- cosmetic soft foam cover 60A42/36-44, 60A47/36-44 or 60A52/36-44

Material	Weight	Eff. height	Item-No.
Titanium	407 g	82 mm	3A33/T



3A17 Modular Single Axis Knee Joint -Stainless Steel-



- monocentric
- with lock and spring extension assist

Recommendation / Function

- identical in construction to 3A33

Technical Data

- max. patient weight: 150 kg
- activity level (walky): 1
- knee flexion angle: approx. 120°
- head height (knee center - upper edge): 37 mm

Accessories

- cosmetic soft foam cover 60A42/36-44, 60A47/36-44 or 60A52/36-44

Material	Weight	Eff. height	Item-No.
Stainl. Steel	562 g	82 mm	3A17/S

Locking Unit for 3A17 and 3A33



- assembled
- applicable for left and right side

Item-No.
4A40

Service Parts Set for 3A17 and 3A33



Components

1 plastic knee cap, 1 socket head bolt, 1 plantar flexion bumper, 2 ball thrust bearings, 2 compression springs, 2 spring guide pins, 2 bushings, 1 spring housing, 1 countersink screw, 2 extension assist axis, 1 allen screw M3

Item-No.
3A17/E



3A34 Modular Single Axis Knee Joint -Titanium-

- monocentric
- with mechanical extension assist

Recommendation

- with medium functional level
- medium stance phase stability
- medium swing phase control
- not suitable for amputees with lower activity levels

Description

The knee axis connects the upper and lower joint section with bushings and ball bearings. Stance phase stability is achieved by placing the knee axis posterior to the weight bearing line in alignment. Swing phase is controlled by axis friction and exchangeable extension assist springs.

Technical Data

- max. patient weight: 125 kg
- activity level (walky): 1 to 2
- knee flexion angle: approx. 120°
- head height (knee center - upper edge): 37 mm

Accessories

- cosmetic soft foam cover 60A47

Material	Weight	Eff. height	Item-No.
Titanium	377 g	82 mm	3A34/T



3A22 Modular Single Axis Knee Joint -Stainless Steel-

- monocentric
- with mechanical extension assist

Recommendation / Function

- identical in construction to 3A34

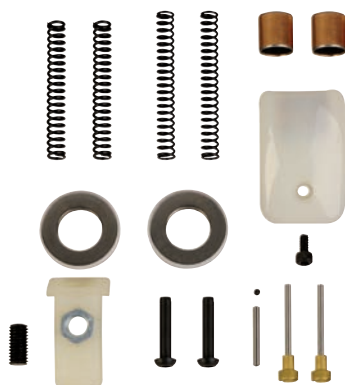
Technical Data

- max. patient weight: 150 kg
- activity level (walky): 1 to 2
- knee flexion angle: approx. 120°
- head height (knee center - upper edge): 37 mm

Accessories

- cosmetic soft foam cover 60A47

Material	Weight	Eff. height	Item-No.
Stainl. Steel	532 g	82 mm	3A22/S



Service Parts Set for 3A22 and 3A34

Components

1 plastic knee cap, 1 threaded pin, 2 pressure ball bearings, 2 soft springs for ext. assist, 2 hard springs for ext. assist, 2 spring bolts, 1 bumper, 2 bushings, 2 spring sleeves, 1 pan screw, 1 allen screw M3 and 1 extension assist axis

Item-No.
3A22/E

Knee Joints



3A49 Brake Knee Joint -Titanium-



- monocentric
- including extension assist 21A40

Recommendation

- for trans-femoral amputees
- with medium functional level
- high stance phase stability
- moderate swing phase control
- not suitable for amputees with higher activity levels

Description

The connection between upper and lower joint section is generated by the swing-and-friction axis and operates as a load dependent brake. This secures, in combination with the posterior positioning, the stance phase. The adjustment of the axis friction and spring load controls the swing phase.

Technical Data

- max. patient weight: 100 kg
- activity level (walky): 1 to 2
- knee flexion angle: approx. 150°
- head height (knee center - upper edge): 40 mm

Accessories

- cosmetic soft foam cover 61A47/36-44

Material	Weight	Eff. height	Item-No.
Titanium	356 g	47 mm	3A49/T



3A15 Brake Knee Joint

-Stainless Steel-

- monocentric
- including extension assist 21A40

Recommendation / Function

- identical in construction to 3A49

Technical Data

- max. patient weight: 100 kg
- activity level (walky): 1 to 2

Material	Weight	Eff. height	Item-No.
Stainl. Steel	534 g	47 mm	3A15/S



Extension Assist for 3A15 and 3A49



Components

1 flexible plastic cover, 1 adjustment ring, 2 compression springs, 1 distal anchor shell, 1 extension assist cable 304 mm

Item-No.
21A40

Service Parts Set for 3A15 and 3A49



Components

1 brake bushing, 1 extension stop, 1 bumper, 2 bearing washers (big), 2 bearing washers (small), 2 locking rings, 2 extension stops, 1 brake bushing circlip, 1 knee axis bolt and 1 knee axis

Item-No.
3A15/E1



3A36 Modular 4-Bar Linkage Knee Joint -Titanium-



- polycentric
- with integrated extension assist

Recommendation

- for trans-femoral amputees
- with medium functional level
- medium stance phase stability
- medium swing phase control
- suitable also for hip disarticulation amputees
- not suitable for amputees with higher activity levels

Description

Upper and lower joint section are connected with linkage bars. The stance phase stability is achieved with the polycentric kinematic (adjustment of the instant center of rotation by adjustment of the stop). The stepless adjustment of the axis friction and of the extension assist spring controls the swing phase.

Technical Data

- max. patient weight: 100 kg
- activity level (walky): 1 to 2
- knee flexion angle: approx. 120°
- head height (knee center - upper edge): 37 mm

Accessories

- cosmetic soft foam cover 61A47/36-44

Material	Weight	Eff. height	Item-No.
Titanium	447 g	82 mm	3A36/T



3A20 Modular 4-Bar Linkage Knee Joint -Stainless Steel-



- polycentric
- with integrated extension assist

Recommendation / Function

- identical in construction to 3A36

Technical Data

- max. patient weight: 100 kg
- activity level (walky): 1 to 2
- knee flexion angle: approx. 120°
- head height (knee center - upper edge): 37 mm

Accessories

- cosmetic soft foam cover 61A47/36-44

Material	Weight	Eff. height	Item-No.
Stainl. Steel	680 g	82 mm	3A20/S



Service Parts Set for 3A20 and 3A36

Components

1 plastic knee cap, 1 socket cap screw, 1 extension stop - complete, 1 extension bumper, 1 pin for extension assist, 1 spring for extension assist, 1 adjustment screw for extension assist, 1 ball - stainless steel, 2 lock nuts, 2 posterior axis pins, 4 bearing washers - brass, 4 washers

Item-No.
3A20/E



3A32 Modular 4-Bar Linkage Knee Joint -Titanium-



- for knee disarticulation
- polycentric

Recommendation

- for knee disarticulation amputees
- with lower functional level
- high stance phase stability
- no swing phase control
- not suitable for amputees with moderate activity levels

Description

The upper joint section with adjustment core and the lower joint section with pyramide are connected to each other with anterior and posterior linkage bars. The lamination anchor is the detachable connection to the socket. The adjustable lock secures the knee in extension. Lock is released using the lock cable.

Technical Data

- with lock
- max. patient weight: 125 kg
- activity level (walky): 1
- knee flexion angle: approx. 110°
- head height (knee center - upper edge): 18 mm

Accessories

- cosmetic soft foam cover 60A47

Material	Weight	Eff. height	Item-No.
Titanium	658 g	120 mm	3A32/T



3A23 Modular 4-Bar Linkage Knee Joint -Stainless Steel-



- for knee disarticulation
- polycentric

Recommendation / Function

- identical in construction to 3A32

Technical Data

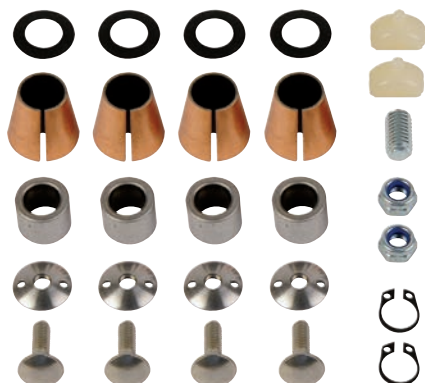
- with lock
- max. patient weight: 125 kg
- activity level (walky): 1
- knee flexion angle: approx. 110°
- head height (knee center - upper edge): 18 mm

Accessories

- Cosmetic Soft Foam Cover 60A47

Material	Weight	Eff. height	Item-No.
Stainless Steel	878 g	120 mm	3A23/S

Service Parts Set for 3A23 and 3A32



Components

4 axis bushings, 4 slotted bushings, 2 bumpers, 4 plate washers, 2 circlips, 2 counter nuts, 1 threaded bolt, 4 round-head screws and 4 two-hole nuts

Item-No.
3A23/E



Lock Control Unit

- accessory
- big lever for simple installation, useable for left and right
- adjustable for push and pull, replaces the factory-made lock handle

Material	Item-No.
Plastic	4A34



Lock Control Unit with Lock Mechanism

- service part for 3A23 and 3A32
- can be exchanged as a complete unit

Item-No.
4A46



3A30 Modular 4-Bar Linkage Knee Joint -Titanium-



- for knee disarticulation
- polycentric
- with mechanical extension assist

Recommendation

- for knee disarticulation amputees
- with medium functional level
- normal stability
- not suitable for insecure amputees and those with higher activity levels

Description

The upper joint section with adjustment core and the lower joint section with pyramid are connected to each other with anterior and posterior linkage bars. The lamination anchor is the detachable connection to the socket. The stance phase stability is achieved through polycentric kinematics. Extension assist and axial friction are both adjustable.

Technical Data

- max. patient weight: 125 kg
- activity level (walky): 1 to 2
- knee flexion angle: approx. 110°
- head height (knee center - upper edge): 18 mm

Accessories

- Cosmetic Soft Foam Cover 60A47

Material	Weight	Eff. height	Item-No.
Titanium	657 g	120 mm	3A30/T



3A21 Modular 4-Bar Linkage Knee Joint -Stainless Steel-



- for knee disarticulation
- polycentric
- with mechanical extension assist

Recommendation / Function

- identical in construction to 3A30

Technical Data

- max. patient weight: 125 kg
- activity level (walky): 1 to 2
- knee flexion angle: approx. 110°
- head height (knee center - upper edge): 18 mm

Accessories

- Cosmetic Soft Foam Cover 60A47

Material	Weight	Eff. height	Item-No.
Stainl. Steel	870 g	120 mm	3A21/S

Lamination Anchor

- Replacement Part for 3A21, 3A23, 3A30 and 3A32



Material	Weight	max. kg	Item-No.
Stainl. Steel	130 g	125 kg	3A21/E1



3A54 Modular 4-Bar Linkage Knee Joint -Titanium-



- with adjustment core on both sides
- polycentric
- with mechanical extension assist

Recommendation

- for knee disarticulation amputees
- with medium functional level
- normal stability
- not suitable for insecure amputees and those with higher activity levels

Description

The upper and lower joint section is connected to each other with anterior and posterior linkage bars. The lamination anchor is the detachable connection to the socket. The stance phase stability is achieved through polycentric kinematics. Extension assist and axial friction are both adjustable.

Technical Data

- max. patient weight: 125 kg
- activity level (walky): 1 to 2
- knee flexion angle: approx. 110°
- head height (knee center - upper edge): 28 mm

Accessories

- Cosmetic Soft Foam Cover 60A47

Material	Weight	Eff. height	Item-No.
Titanium	567 g	116 mm	3A54/T

Knee Joints



3A25 Modular 4-Bar Linkage Knee Joint -Stainless Steel-



- with adjustment core on both sides
- polycentric
- with mechanical extension assist

Recommendation / Function

- identical in construction to 3A54

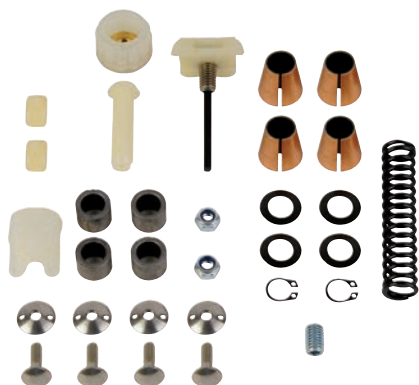
Technical Data

-
- max. patient weight: 125 kg
- activity level (walky): 1 to 2
- knee flexion angle: approx. 110°
- head height (knee center - upper edge): 28 mm

Accessories

- Cosmetic Soft Foam Cover 60A47

Material	Weight	Eff. height	Item-No.
Edelstahl	768 g	116 mm	3A25/S



Service Parts Set for 3A21, 3A25, 3A30 and 3A54

Components

4 slotted bushings, 4 spring washers, 1 adjustment set screw, 2 locking rings, 2 lock nuts, 2 bumpers, 1 extension assist spring, 1 bearing for extension assist, 1 guide for extension assist, 1 plastic guide, 1 nut for extension assist, 4 round-head screws and 4 two-hole nuts

Item-No.
3A21/E

Hip Joints



Hip Joints

Hip prostheses are used for the following indications:

- Introtrochanteric amputation
- Hip disarticulation
- Hemipelvectomy

During alignment of the prosthetic components, it is crucial to pay special attention to the correct position of the joint. Please always make sure that the joint flexes properly in walking direction.

Since a hip joint is always attached to the pelvic cavity in front of the load line, the subsequent run of the tube towards the knee joint must have a posterior direction. This guarantees a backwards inclination of the knee joint axis according to the construction guidelines and a safe standing position of the patient. A tube clamp adapter (11A12/A or 11A20/T) having an inclination of 10° to 20° is inevitably required in most cases to connect the knee joint with the femoral tube.



To ensure stance control, it is always recommendable to use a polycentric knee joint e. g. 3A36 / 3A20 together with a hip prostheses.



7A4 Modular Hip Joint -Light Metal-



- max. patient weight: 100 kg
- activity level (walky): 1 to 2
- monocentric
- with extension assist

Recommendation

- for hip disarticulation and hemipelvectomy amputees
- with medium functional level
- medium stance phase stability
- medium swing phase control

Description

The hip joint must be bolted through the double hinch to the socket lamination plate inside the hip containment. The extension assist with adjustable stop ring and laterally attached rubber elastics secures the joint in extension position. The extension assist limits the range of movement during ambulation.

Material	Weight	Eff. height	Item-No.
Light Alloy	862 g	150 mm	7A4/A



Service Parts Set for 7A4

Components

1 distal slide control anchor, 1 wire bow with plastic roller, 1 proximal slide control anchor, 1 extension bumper, 2 rubber elastics, 4 countersink head bolts, 1 complete posterior strut

Item-No.
7A4/E



Spare Hip Extension Assist for 7A4

Item-No.
7A4/E1



Lamination Plate for 7A4

- lamination plate for modular hip joint 7A4 with screw connection

Item-No.
7A4/E2

Hip Joints



7A5 Modular Hip Joint -Titanium-



- max. patient weight: 100 kg = activity level (walky): 1 to 2
- max. patient weight: 75 kg = activity level (walky): 3
- moreover, it is also suitable for more active patients, up to 75 kg body weight
- is to be used exclusively for the prosthetic fitting
- in a sitting position, the low construction height (thickness of laminate) of the joint, reduces the pelvic tilt to a minimum
- continuous adjustment of flexion extension as well as abduction-adduction is possible
- an additional laminating aid facilitates production and mounting of the prosthesis
- the hip joint in relation to the knee axis can be adjusted by rotation of the thigh tube
- the tension of the integrated hip extension bias spring is also continuously adjustable
- remove the thigh tube to access the spring

Material	Weight	Eff. height	Item-No.
Titanium	805 g	60 mm	7A5

Service Parts Set for 7A5



Components

1 tappet, 1 guide sleeve, 1 extension assist spring, 1 hexagon socket head screw M3, 1 extension stop bumper 2 cap screw M8x25, 1 cap screw M5x30, 1 lock ring, 1 protective sleeve

Item-No.
7A5/E

Lamination Plate for 7A5











- Lamination Plate for Modular Hip Joint 7A5 with screw connection

Item-No.
7A5/E2

Socket Comfort



Socket comfort – at one glance

	ClearSil. compression	ClearSil.basic	ClearSil.stabil	ClearSil.cushion
Walky System				
Pear-shaped BK stump (trans-tibial stump) 	×××× post-operative	××		×
Normal cylindrical , BK stump (trans-tibial stump) 	×××× post-operative	××	××	××
Bony conical BK stump (trans-tibial stump) 				×××× for pressure-sensitive residual limb ends
Cylindrical AK-stump (trans-femoral stump) 	×××× post-operative			
Conical AK-stump (trans-femoral stump) 	×××× post-operative			

×××× = optimal

×× = good

× = suitable

Please see the introductory pages of this catalogue for more information about our Walky-system.

2colourSil. basic	ComfortSil. basic ComfortSil. soft	ClassicSil.basic ClassicSil.soft	AKControl.Sil	ContexGel.basic ContexGel.soft ContecGel.soft+
×	×	×	×	×
	3 mm basic	3 mm basic		
×	×	×	×	×
	3 mm basic	3 mm basic	for large BK-stumps	
×	×	×		×
	6 mm soft	6 mm soft		
			×	×
				use 3 mm version only
			×	×
				use 3 mm version only

Socket Comfort

In orthopaedic technology, prosthetic care with silicone and polymer-gel-liners has been modern standard since approx. 20 years.

Accordingly, the term “polymer” means that the cushioning material has been made of “many identical particles”. Silicone is a polymer material as well, excellently suitable for cushioning purposes in orthopaedic technology.

The softer and thicker the polymer layer is; the less suitable it is for higher activities resp. the shorter the lifespan of the polymer. Polymer-liners target the user group with level 1 or 2 in our walky-system or with very sensitive, bony residual limbs.

The thinner and more solid the polymer layer is, the more control of the prosthetic socket is provided and therefore it is suitable for patients with higher activity. The more solid material is usually silicone and therefore it is more durable than softer polymer. The user group for these liners usually are classified 2 to 4 in our walky-system.



Benefits of Liners by Streifeneder ortho production GmbH for the user

- Maximum wearing comfort of the prosthetic socket
- Punctual and surface cushioning for bony, scarred and difficult residual limbs
- Shape stability for excess soft tissue
- Targeted stump compression for reduction and prevention of oedema; post operative and preventative
- Reduction of stump volume changes (stump fluctuations)
- Reduced elongation due to integrated, textile reinforcement
- Skin caring ingredients such as medical white oil provide protection and care
- Safe adaption between user's stump and prosthesis by means of proven pin- or cord lock or vacuum socket technology (VST)
- Simple handling, easy cleaning and guaranteed longevity
- Easy rolling up and down of the liner due to smooth fabric cover
- Less restraining prosthetic care possible (renouncement of high condylar guard or upper thigh cuff with lateral splint guard)

Features

- Additives with aseptic surface effects
- Improved polymer features
- Distal rotation control for more stability
- Anti-rotation strips for above-knee liners AK-Control.Sil.
- New functional cover fabric

Socket Comfort – FAQs

Skin irritations in the area of the liner edge (little blisters on the skin)?

Skin irritations sometimes appear at the liner edge upon first use of polymer-liners. Usually, cutting the liner edge into shape with a pair of scissors helps. When cutting, the cutting edge can be broken with a small pair of half-round scissors. Another reason is putting on the liner under tension. Especially for problems in the rear, upper thigh area, a thinner liner is recommendable. Additionally, in order to minimize friction, the skin in the edge area can be coated with skin cream (e.g. Skin Protection Cream 10H3).

Skin irritations on the entire residual limb skin?

Generally, the inside of all silicone and polymer-gel-liners must be washed prior to first use with lots of warm water and pH-neutral soap (e.g. with Skin-Care-Washing Lotion 10H2) and then dried with a paper towel. A new prosthesis always creates a new skin situation in the liner and every user may react in a different way. At the beginning, excessive sweating in the liner may lead to allergic reactions and therefore, hygiene is very important. The solution for this is also very careful washing of the liner with neutral soap (10H2) and lots of water.

Another reason for allergic reactions in connection with damage of the liner material may be caused by medication, which releases substances through the skin pores due to natural metabolic processes and lead to a chemical reaction with sweat. If this is the cause, a medical doctor or dermatologist must be consulted.

Excessive sweating in the liner does not stop. What could be the cause?

If excessive and permanent sweating in the liner continues, size and fit of the liner in the prosthetic socket must be checked. Air locked in between residual limb skin and liner may lead to excessive sweating.

The BK-prosthesis wearer complains about red skin above and on the knee cap?

Usually, it already helps to unroll the liner over a slightly bent knee, in order to reduce the skin tension in this area.

The pin is never positioned straight in the socket?

Possible causes are either the stump position in the phase of putting the liner on with the result of an unfortunate flexion angle during entering the prosthetic socket. Or, a very distinctive socket shape, which squeezes the residual limb together with the liner into a certain direction when entering. Both will lead to unilateral friction spots in the hopper area of the locking system.

Putting the liner cup transversally onto the stump end may solve the problem.

Generally, already during plaster casting, the centered pin position at the liner must be considered, in order to avoid the above mentioned problems later.

How do I care for the liner?

All liners must be carefully cleaned with Skin-Care-Washing Lotion 10H2 prior to first use, in order to remove possible residues from manufacturing and to avoid skin irritations.

Daily cleaning of the liner with Skin-Care-Washing Lotion 10H2 prevents skin irritations and extends the life time of the liner. For heavy-duty use, the liner may be put on each day in a position turned by a few centimeters, this will provide even wear.



Socket Comfort - Silicone Liners

Features of Silicone Liners by Streifeneder ortho production GmbH

Liners with quality seal

To improve the hygienic conditions for liner wearers, we use special additives which produce an aseptic surface effect. One of our additives is "Sterione" and is supplied by a company with the same name, SteriOne GmbH. This patented technology grants that the treated liner material permanently inhibits infestation of bacteria and micro-organisms. The liners sold by Streifeneder ortho production GmbH have been awarded a quality seal and are approved as "antimicrobial". The symbol shown below indicates the use of Sterione for antimicrobial effect. This effect has also been approved by one more, independent testing institute

The quality seal grants

- Effectiveness period of at least five years
- Elimination of 5 million germs per hour and square-centimeter



The application of Sterione effectively prevents bacteria growth

- (e.g. pneumococco-bacilli and multi-resistant micro-organisms such as MRSA)
- Test strains *Staphylococcus aureus* and *Escherichia coli*

Rotation control of Comfort.Sil Liner, Classic.Sil Silicone Liner and AKControlSil Liner

- More rotation stability between liner and prosthetic socket
- Better guidance and control of the BK-prosthesis

AK-controlSil. Silicone Liner with anti rotation strips

- More rotation stability between liner and prosthetic socket
- Better guidance and control of the BK-prosthesis

Silver-grey fabric coating of the silicone liners

- Recognition value for all Silicone Liners with fabric cover



Benefits of Silicone Liners by Streifeneder ortho production GmbH

- Excellent cleaning properties by closed-pore surface
- Outstanding skin comfort, as silicone is physiologically safe
- Oils contained in the silicone moisturise the residual limb skin
- Thin liner wall provides at the same time good shape stability
- Good circular elasticity for stump fluctuations
- Low longitudinal tension of silicone liners with fabric cover
- Positive compression benefits the stump
- Excellently suited for early care (interim care)
- Resistant against body fluids, chlorine and UV-light; sterilisable at approx. 120 °C (248 °F)
- Special sizes with matrix length of up to 18 cm available upon request

How to choose the correct liner

1. Step

Size determination for a silicone liner – Measure the distal circumference approx. 4 cm above the tip of the stump.

The first two numbers indicate the basic size, e. g. measured circumference 28 cm = size 28

Please order the silicone liner **without** fabric cover as follows:

- For the initial supply two to three sizes smaller
- For the follow-up supply one to two sizes smaller

Please order the silicone liner **with** fabric cover as follows:

- For the initial supply one to two sizes smaller
- For the follow-up supply zero to one size smaller

Please take these calculated values only as a guideline, since each patient has his or her individual requirements.

2. Step

Finding the correct matrix length for a silicone liner – The precise length of the stump as well as the structure of the bones is decisive for selecting the correct interior laminate.

We recommend:

- A minimum of 6 cm into the bony structure
- Ending below the fibula head (distally) at the most

Customized model: We can manufacture special design liners with a matrix of 5 cm for very short stumps and liners up to 18 cm for long stumps.

3. Step

Trimming the silicone liner

- Easily cut the rim of the liner as desired using a pair of scissors.
- The reversal-safe intermeshing of the jersey fabric allows for a problem-free and individual trimming of the liner.

Socket Comfort - Silicone Liners w/o Textile Cover



ClearSil.compression

Post surgical compression liner without internal matrix and without distal connection

Designated use

- targeted stump compression after leg amputation
- early accommodation to silicone liner use
- early forming of the stump

Characteristics

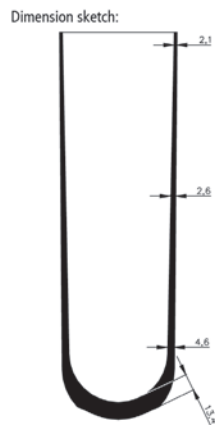
- silicone liner without internal matrix and without distal connection
- controlled compression
- bandaging not necessary, therefore no restriction due to wrong bandaging
- enhances blood circulation and reduces edema accumulation
- heat resistant, therefore suitable for steam sterilisation at 120 °C

Material

- wall thickness: see sketch
- Clear-Sil-Silicone, firm
- approx. 53° Shore 00
- without textile cover
- colour: translucent

Warranty

- 12 months



Total length: approx. 370 mm

Size	Item-No.
23,5, 25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45	1S22/..

Ordering example 1S22/23,5 = size 23,5



For application of silicone liners without textile lining, skin care spray 10H5 must be used. For hygienic application, skin disinfectant Cutasept F 10H6 must be used during post-operative care of residual limbs. Please use the supplied compression chart for documentation of the residual limb volume.

without picture

ClearSil.compression Sets

Post surgical compression liner sets in various sizes

- application, characteristics and material like item 1S22

Set	Content	Item-No.
1	sizes 23,5, 25, 26,5	1S22/1
2	sizes 28, 30, 32, 34	1S22/2
3	sizes 36, 38, 40	1S22/3

Socket Comfort - Silicone Liners w/o Textile Cover



ClearSil.basic

Silicone liner without internal matrix, with and without distal connection

Designated use

- activity level (walky): 2 to 4
- well-suited for short residual limbs
- interim prostheses and early applications

Characteristics

- silicone liner without internal matrix
- without distal connection
- distally very elastic
- due to the high stability, very suitable for medium active wearers of prostheses
- compresses the stump
- heat resistant, therefore suitable for steam sterilisation at 120 °C

Material

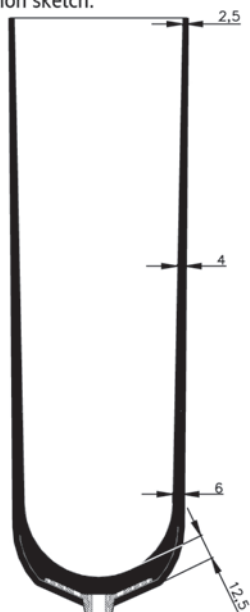
- wall thickness: see sketch
- Clear-Sil-Silikon, firm
- approx. 53° Shore 00
- without textile cover
- colour: translucent

Warranty

- 12 months



Dimension sketch:



Total length: 370 mm

Size	Distal connection	Item-No.
12, 14, 16, 18, 20, 21, 22, 23,5, 25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45	with	1S3/..
12, 14, 16, 18, 20, 21, 22, 23,5, 25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45	without	1S4/..

Ordering example: 1S3/12 = with distal connection, size 12



Sizing: Measure the distal circumference approx. 4 cm above the stump end and select the liner in the same size or one size smaller. For hygienic application, skin disinfectant Cutasept F 10H6 must be used during post-operative care of residual limbs.

Socket Comfort - Silicone Liners w/o Textile Cover



ClearSil.stabil 5, ClearSil.stabil 10, ClearSil.stabil 15

Silicone liner with 5 cm, 10 cm, 15 cm internal matrix, with distal connection

Designated use

- activity level (walky): 2 to 4
- suitable for all prostheses wearers for basic care

Characteristics

- silicone liner with internal matrix and with distal connection
- elongation reduction in the lower socket area due to matrix of 10, 5 or 15 cm length
- high stability and high wearing comfort
- good fitting
- only minor influence on radial expansion

Material

- wall thickness: see sketch
- Clear-Sil-Silikon, firm
- approx. 53° Shore 00
- without textile cover
- colour: translucent

Warranty

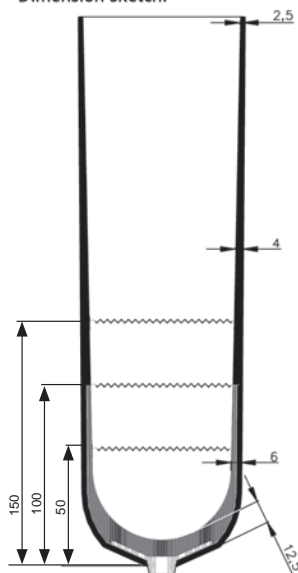
- 12 months

Custom-made liners

All sizes of liners with different internal laminate of 5 - 18 cm length can be manufactured within 3 - 5 working days at no extra costs.



Dimension sketch:



Total length: approx. 370 mm

Size	Internal matrix	Item-No.
12, 14, 16, 18, 20, 21, 22, 23,5, 25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45	10 cm	1S1/..
14, 16, 18, 20, 21, 22, 23,5, 25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45	5 cm	51S1/..
18, 20, 21, 22, 23,5, 25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45	15 cm	151S1/..

Ordering example: 1S1/12 = with 10 cm internal matrix, size 12



Sizing: Measure the distal circumference approx. 4 cm above the stump end and select the liner in the same size or one size smaller. For application of silicone liners without textile lining, skin care spray 10H5 must be used.

Socket Comfort - Silicone Liners w/o Textile Cover



ClearSil.cushion

Silicone liner with internal matrix and soft cushioning spot, with distal connection

Designated use

- activity level (walky): 2 to 4
- suitable for stumps with extensive scars and pressure sensitive stump ends

Characteristics

- silicone liner with distal connections
- 10 cm internal matrix reduces axial expansion (elongation reduction)
- especially thick and soft cushioning (residual limb end cushion) in liner cup, see sketch
- the expansion in radial direction is only slightly affected
- gives users with difficult stump end conditions a pleasant wearing comfort.

Material

- wall thickness: see draft
- Clear-Sil-Silikon, firm
- approx. 53° Shore 00, at stump end load cushion approx. 25° Shore 00
- without textile cover
- colour: translucent

Warranty

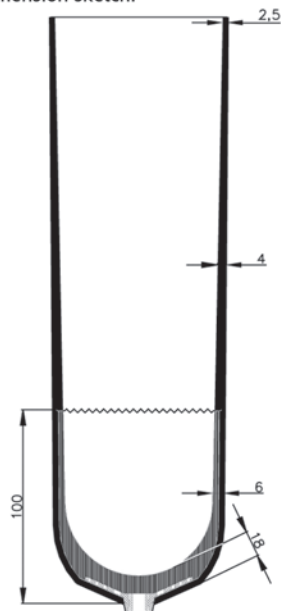
- 12 months

Custom-made liners

All sizes of liners with different internal matrix of 5 - 18 cm length can be manufactured within 3 - 5 working days at no extra costs.



Dimension sketch:



Total length: approx. 370 mm

Size	Internal matrix	Item-No.
14, 16, 18, 20, 21, 22, 23,5, 25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45	10 cm	1S2/..

Ordering example: 1S2/14 = size 14



Sizing: Measure the distal circumference approx. 4 cm above the stump end and select the liner in the same size or one size smaller. For application of silicone liners without textile lining, skin care spray 10H5 must be used.

Socket Comfort - Silicone Liners w/o Textile Cover



DuoSil.basic

Two layer silicone liner with 10 cm internal matrix, with distal connection, made of DuoSil-Silicone

Designated use

- activity level (walky): 1 to 3
- suitable as a basic fitting for medium active patients
- suitable for difficult stump conditions

Characteristics

- two layer silicone liner
- with very soft internal silicone layer for high wearing comfort and optimal damping
- harder silicone layer on the outside gives the liner stability and tear resistance
- 10 cm inner matrix reduces axial expansion
- with distal connection

Material

- wall thickness: see sketch
- DuoSil-Silicone
- internal layer: approx. 40° Shore 00
- external layer: approx. 50° Shore 00
- without textile cover
- colour: peach

Warranty

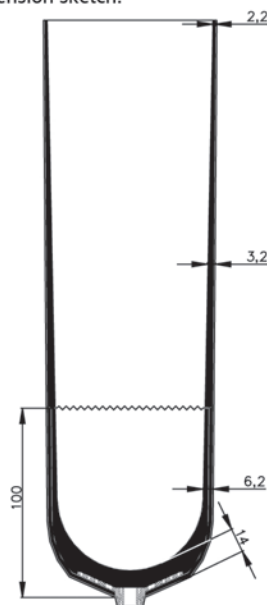
- 12 months

Custom-made liners

- All sizes of liners with different internal matrix of 5 - 18 cm length can be manufactured within 3 - 5 working days at no extra costs.



Dimension sketch:



Total length: approx. 370 mm

Size	Internal matrix	Item-No.
16, 18, 20, 21, 22, 23,5, 25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45	10 cm	1S18/..

Ordering example: 1S18/16 = size 16



Sizing: Measure the distal circumference approx. 4 cm above the stump end and select the liner in the same size or one size smaller.
For application of silicone liners without textile lining, skin care spray 10H5 must be used.

Socket Comfort - Silicone Liners with Textile Cover



ComfortSil.basic

Silicone Liner made of soft 3 mm Comfort-Sil-Silicone

Designated use

- activity level (walky): 1 to 3
- suitable as a basic fitting for geriatric patients
- for pressure sensitive patients

Characteristics

- optimal wearing comfort and damping
- especially soft functional textile cover for easily rolling the liner up or down
- functional textile cover minimises longitudinal expansion
- excellent circular expansion adjusts to volume changes of the residual limb
- item 40L110: integrated 10 cm long matrix reduces the distal elongation at the residual limb
- distal rotation control supports guidance of prosthesis
- available with distal connection for all Streifeneder pin-types and locking systems
- available without distal connection and rotation control for vacuum-socket-technology (VST)

Material

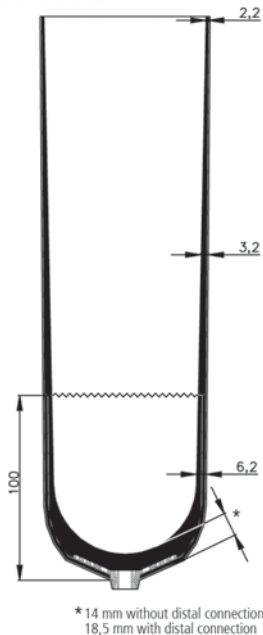
- wall thickness: 3 mm, see sketch
- Comfort-Sil-Silikon, soft, antimicrobial fitted
- approx. 26° Shore 00
- abrasion-proof textile cover made of polyamide / elastane
- item 40L110 with PUR-rotation control
- colour: silver grey

Warranty

- 6 months



Dimension sketch:



Total length: approx. 370 mm

Size	Wall thickness	Internal matrix	Distal connection	Item-No.
16, 18, 20, 21, 22, 23,5, 25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45	3 mm	10 cm	with	40L110/..
16, 18, 20, 21, 22, 23,5, 25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45	3 mm	without	without	40L200/..

Ordering example: 40L110/16 = with distal connection, size 16
Scope of supply does include stand.



Sizing: Measure the distal circumference approx. 4 cm above the stump end and select the liner in the same size or one size smaller.

Socket Comfort - Silicone Liners with Textile Cover



ComfortSil.soft

Silicone liner made of soft 6 mm Comfort-Sil-Silicone

Designated use

- activity level (walky): 1 to 3
- suitable as a basic fitting for geriatric patients
- for pressure sensitive patients
- for bony residual limbs with low soft tissue coverage

Characteristics

- optimal wearing comfort and damping
- especially soft functional textile cover for easily rolling the liner up or down
- functional textile cover minimises longitudinal expansion
- excellent circular expansion adjusts to volume changes of the residual limb
- item 41L110: integrated 10 cm long matrix reduces the distal elongation at the residual limb
- distal rotation control supports guidance of prosthesis
- available with or without distal connection
- suitable for all Streifeneder pin types and locking systems

Material

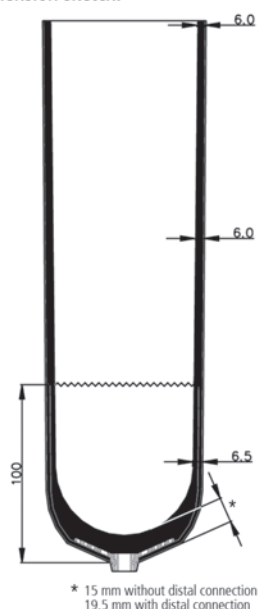
- wall thickness: 6 mm, see sketch
- Comfort-Sil-Silikon, soft, antimicrobial fitted
- approx. 26° Shore 00
- abrasion-proof textile cover made of polyamide / elastane
- item 41L110 with PUR-rotation control
- colour: silver grey

Warranty

- 6 months



Dimension sketch:



Total length: approx. 370 mm

Size	Wall thickness	Internal matrix	Distal connection	Item-No.
16, 18, 20, 21, 22, 23,5, 25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45	6 mm	10 cm	with	41L110/..
16, 18, 20, 21, 22, 23,5, 25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45	6 mm	without	without	41L200/..

Ordering example: 41L110/16 = with distal connection, size 16
Scope of supply does include stand.

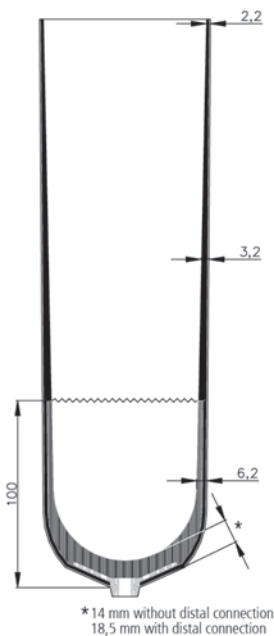


Sizing: Measure the distal circumference approx. 4 cm above the stump end and select the liner in the same size or one size smaller.

Socket Comfort - Silicone Liners with Textile Cover



Dimension sketch:



Total length: approx. 370 mm

ClassicSil.basic

Silicone Liner made of 3 mm stable two layer Duo-Sil-Silicone

Designated use

- activity level (walky): 2 to 4
- excellently suitable for standard care
- for normal pressure-sensitive users with sufficient soft tissue coverage
- „allrounder“

Characteristics

- for optimal wearing comfort and damping
- especially soft functional textile cover for easily rolling the liner up or down
- functional textile cover minimises longitudinal expansion
- excellent circular expansion adjusts to volume changes of the residual limb
- item 50L110: integrated 10 cm long matrix reduces the distal elongation at the residual limb
- distal rotation control supports guidance of prosthesis
- available with and without distal connection
- suitable for all Streifeneder pin types and locking systems

Material

- wall thickness: 3 mm, see sketch
- two layer Duo-Sil-Silicone, stable, antimicrobial fitted
- internal layer (upon skin): 26° Shore 00
- middle layer: 53° shore 00
- abrasion-proof textile cover made of polyamide / elastane
- item 50L110 with PUR-rotation control
- colour: silver grey

Warranty

- 12 months

Size	Wall thickness	Internal matrix	Distal connection	Item-No.
16, 18, 20, 21, 22, 23,5, 25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45	3 mm	10 cm	with	50L110/..
16, 18, 20, 21, 22, 23,5, 25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45	3 mm	without	without	50L200/..

Ordering example: 50L110/16 = with distal connection, size 16
Scope of supply does include stand.



Sizing: Measure the distal circumference approx. 4 cm above the stump end and select the liner in the same size or one size smaller.

Socket Comfort - Silicone Liners with Textile Cover



ClassicSil.soft

Silicone liner made of 6 mm two layer stable Duo-Sil-Silicone

Designated use

- activity level (walky): 2 to 4
- excellently suitable for standard care
- for pressure-sensitive users with low soft tissue coverage

Characteristics

- optimal wearing comfort and damping
- especially soft functional textile cover for easily rolling the liner up or down
- functional textile cover minimises longitudinal expansion
- excellent circular expansion adjusts to volume changes of the residual limb
- item 51L110: integrated 10 cm long matrix reduces the distal elongation at the residual limb
- distal rotation control supports guidance of prosthesis
- available with and without distal connection
- suitable for all Streifeneder pin types and locking systems

Material

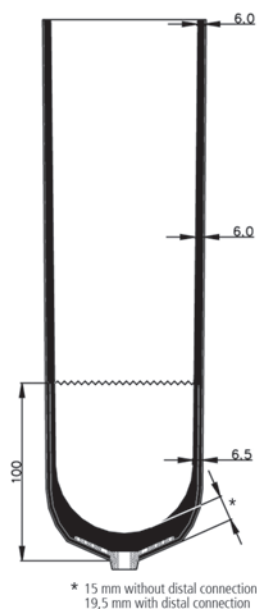
- wall thickness: 6 mm, see sketch
- two layer Duo-Sil-Silicone, stable, antimicrobial fitted
- internal layer (on the skin): 26° Shore 00
- middle layer: 53° shore 00
- abrasion-proof textile cover made of polyamide / elastane
- item 51L110 with PUR-rotation control
- colour: silver grey

Warranty

- 12 months



Dimension sketch:



Total length: approx. 370 mm

Size	Wall thickness	Internal matrix	Distal connection	Item-No.
16, 18, 20, 21, 22, 23,5,25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45	6 mm	10 cm	with	51L110/..
16, 18, 20, 21, 22, 23,5,25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45	6 mm	without	without	51L200/..

Ordering example: 51L110/16 = with distal connection, size 16
Scope of supply does include stand.



Sizing: Measure the distal circumference approx. 4 cm above the stump end and select the liner in the same size or one size smaller.

Socket Comfort - Silicone Liners with Textile Cover



AK-Control.Sil

AK silicone liner made of medium stable Control-Sil-Silicone, with distal connection

Designated use

- activity level (walky): 1 to 4
- ideal for liner-care of above-knee amputations and for care of voluminous below-knee amputations

Characteristics

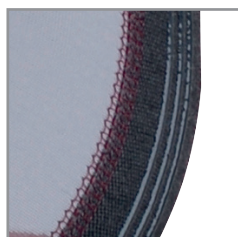
- 2 mm wall thickness for controlled expansion in the socket entry zone
- outer matrix (sewed-on strip) for reduction of longitudinal expansion (inhibited longitudinal expansion)
- anti-rotation strips on the outer matrix prevent twisting between liner and prosthetic socket
- especially soft functional textile lining for easily rolling the liner up or down
- very good radial expansion adjusts to volume changes of the residual limb
- rotation control to improve guidance of prosthesis
- with distal connection for all Streifeneder pin types and locking systems

Material

- wall thickness: 2 mm, see sketch
- Control-Sil-Silikon, medium stable, antimicrobial fitted
- approx. 40° Shore 00
- abrasion-proof textile lining made of polyamide / elastane
- 3 rows of silicone strips on the outer matrix
- with PUR-rotation control
- colour: silver grey / black

Warranty

- 6 months



Dimension sketch:



Total length: approx. 370 mm

Size	Wall thickness	Item-No.
25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45, 50, 55	2 mm	60L1/..

Ordering example: 60L1/25 = size 25
Scope of supply does include stand.



Sizing: Measure the distal circumference approx. 4 cm above the stump end and select the liner in the same size or one size smaller.

Socket Comfort - Silicone Liners



Primo Liner

Silicone Liner made of 2,5 mm Clear-Sil-Silicone



Characteristics

- activity level (walky): 2 to 4
- matrix reduces pistoning
- the fine single-jersey fabric coating offers very smooth sliding characteristics with minimized elasticity in length, but very good circular elasticity
- easy handling and care (cleaning)
- 12 months guarantee

Recommendation

Stability and wearing comfort makes this liner type very suitable for all activities as basic fitting. With the distal reinforcement, the axial expansion of the lower socket can be reduced to a minimum. The expansion in radial direction is only slightly affected. This ensures a good fit, high wearing comfort and secure positioning of the prostheses.

Custom-made liners

All sizes of liners with different internal laminate of 5 - 18 cm length can be manufactured within 3 - 5 working days at no extra costs. All customized liners are reduced to a 3 month warranty.



Sizes	Thickness	Internal matrix	Distal connection	Item-No.
12, 14, 16, 18, 20, 21, 22, 23,5, 25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45	2,5 mm	10 cm	with	1S40/..
12, 14, 16, 18, 20, 21, 22, 23,5, 25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45	2,5 mm	without	without	1S41/..

Ordering example: 1S40/12 = with distal connection, with 10 cm internal matrix, size 12



Sizing: Measure the distal circumference approx. 4 cm above the stump end and select the liner in the same size or one size smaller.



Total length: approx. 370 mm

Socket Comfort - Silicone Liners



Skin-Care Liner

Silicone Liner made of 3 mm Skin-Sil-Silicone with aloe vera

Characteristics

- activity level (walky): 1 to 2
- 3 mm silicone liner with aloe vera additive
- the fine single-jersey fabric coating offers very smooth sliding characteristics with minimized elasticity in length, but very good circular elasticity
- 6 months guarantee

Recommendation

Suitable as a basic fitting for geriatric, diabetic and patients with skin irritations. With the wall thickness of 3 mm and the specially skin caring skin-sil-gel with aloe-vera insertion, pressure sensitive and slightly bony stumps can be optimally fitted.

Custom-made liners

All sizes of liners with different internal matrix of 5 - 18 cm length can be manufactured within 3 - 5 working days at no extra costs. All customized liners are reduced to a 3 month warranty.

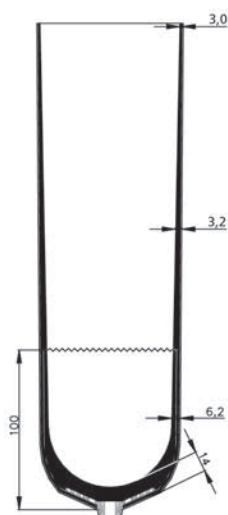


Sizes	Thickness	Internal matrix	Distal connection	Item-No.
12, 14, 16, 18, 20, 21, 22, 23,5, 25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45	3 mm	10 cm	with	1S11/..
12, 14, 16, 18, 20, 21, 22, 23,5, 25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45	3 mm	without	without	1S13/..

Ordering example: 1S11/16 = with distal connection, with 10 cm internal matrix, size 16



Sizing: Measure the distal circumference approx. 4 cm above the distal stump end and select the liner in the same size or one size smaller.



Total length: approx. 370 mm

Socket Comfort - Silicone Liners



Skin-Care Liner plus

Silicone Liner made of 6 mm Skin-Sil-Silicone with aloe vera

Characteristics

- activity level (walky): 1 to 2
- 6 mm silicone liner with aloe vera additive
- the fine single-jersey fabric coating offers very smooth sliding characteristics with minimized elasticity in length, but very good circular elasticity
- 6 months guarantee

Recommendation

Suitable for Geriatric, Diabetic and very pressure sensitive patients with skin irritations. With the wall thickness of 6 mm and the specially skin caring skin-sil-gel with aloe-vera insertion, bony and scarred stumps can be fitted.

Custom-made liners

All sizes of liners with different internal matrix of 5 - 18 cm length can be manufactured within 3-5 working days at no extra costs. All customized liners are reduced to a 3 month warranty.

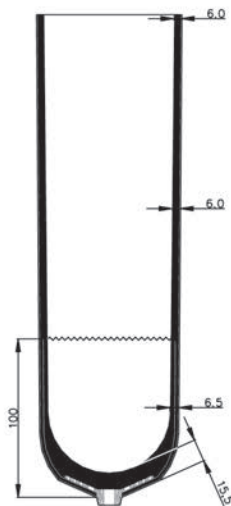


Sizes	Thickness	Internal matrix	Distal connection	Item-No.
16, 18, 20, 21, 22, 23,5, 25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45	6 mm	10 cm	with	1S12/..
16, 18, 20, 21, 22, 23,5, 25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45	6 mm	without	without	1S14/..

Ordering example: 1S12/16 = with distal connection, size 16



Sizing: Measure the distal circumference approx. 4 cm above the stump end and select the liner in the same size or one size smaller.



Total length: approx. 370 mm

Socket Comfort - Silicone Liners



First-Class Liner

Silicone Liner made of soft 3 mm Comfort-Sil-Gel-Silicone

Characteristics

- activity level (walky): 1 to 2
- 3 mm silicone liner
- the comfort-sil-gel provides high wearing comfort
- the fine single-jersey fabric coating offers very smooth sliding characteristics with minimized elasticity in length, but very good circular elasticity
- 6 months guarantee

Recommendation

Suitable as a basic fitting for geriatric and less active patients. The wall thickness of 3 mm gives the pressure sensitive patient with different stump characteristics an optimal wearing comfort.

Custom-made liners

All sizes of liners with different internal matrix of 5 - 18 cm length can be manufactured within 3 - 5 working days at no extra costs. All customized liners are reduced to a 3 month warranty.



Total length: approx. 370 mm

Sizes	Thickness	Internal matrix	Distal connection	Item-No.
16, 18, 20, 21, 22, 23,5, 25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45	3 mm	10 cm	with	155/..
16, 18, 20, 21, 22, 23,5, 25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45	3 mm	without	without	157/..

Ordering example: 155/16 = with distal connection, size 16



Sizing: Measure the distal circumference approx. 4 cm above the stump end and select the liner in the same size or one size smaller.

Socket Comfort - Silicone Liners



First-Class Liner plus

Silicone Liner made of soft 6 mm Comfort-Sil-Gel-Silicone

Characteristics

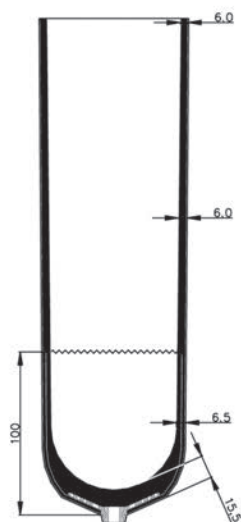
- activity level (walky): 1 to 2
- 6 mm silicone liner
- the comfort-sil-gel provides high wearing comfort
- with distal connection
- the fine single-jersey fabric coating offers very smooth sliding characteristics with minimized elasticity in length, but very good circular elasticity
- 6 months guarantee

Recommendation

Suitable for geriatric, diabetic and very pressure sensitive patients. The wall thickness of 6 mm and the soft silicone mixture gives the pressure sensitive patient with different stump characteristics an optimal wearing comfort. The soft silicone mixture provides a high wearing comfort.

Custom-made liners

All sizes of liners with different internal matrix of 5 - 18 cm length can be manufactured within 3 - 5 working days at no extra costs. All customized liners are reduced to a 3 month warranty.



Total length: approx. 370 mm

Sizes	Thickness	Internal matrix	Distal connection	Item-No.
16, 18, 20, 21, 22, 23,5, 25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45	6 mm	10 cm	with	156/..
16, 18, 20, 21, 22, 23,5, 25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45	6 mm	without	without	158/..

Ordering example: 156/16 = with distal connection, size 16



Sizing: Measure the distal circumference approx. 4 cm above the stump end and select the liner in the same size or one size smaller.

Socket Comfort - Silicone Liners



ClearTex Liner

Silicone Liner made of 3 mm soft and stable Clear-Sil-Pro-Silicone



Characteristics

- activity level (walky): 2 to 4
- 3 mm silicone liner
- two layer clear-sil-pro silicone
- the fine single-jersey fabric coating offers very smooth sliding characteristics with minimized elasticity in length, but very good circular elasticity
- 12 months guarantee

Recommendation

The two layer clear-sil-pro silicone consists of a cushioning and a supporting layer. Therefore it has become possible to reach high quality wearing comfort and high durability. This is why the ClearTex Liner is suitable for medium active to active patients requesting a simple liner handling.

Custom-made liners

All sizes of liners with different internal matrix of 5 - 18 cm length can be manufactured within 3 - 5 working days at no extra costs. All customized liners are reduced to a 3 month warranty.



Total length: approx. 370 mm

Size	Thickness	Internal matrix	Distal connection	Item-No.
16, 18, 20, 21, 22, 23,5, 25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45	3 mm	10 cm	with	1S30/..
16, 18, 20, 21, 22, 23,5, 25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45	3 mm	without	without	1S31/..

Ordering example: 1S30/16 = size 16



Sizing: Measure the distal circumference approx. 4 cm above the stump end and select the liner in the same size or one size smaller.

Socket Comfort - Silicone Liners



Aktiv-Care Liner

Silicone Liner made of 3 mm Aktiv-Sil-Silicone - with menthol, aloe vera and moisturising substances

Characteristics

- activity level (walky): 2 to 4
- silicone liner for sporting actives with menthol
- a special print on the fabric provides for effective rotation stopping (rotation control)
- with aloe vera
- the fine single-jersey fabric coating offers very smooth sliding characteristics with minimized elasticity in length, but very good circular elasticity
- for high activity and sports
- 9 months guarantee

Recommendation

Suitable for active, dynamic and sporting patients and suitable if strong stump rotation occurs due to a misconduct in gait. Due to the ideal stability of the silicone and the well-directed fibre orientation of the textile cover, the Active-Care Liner will meet with the high requirements in active sport. The integrated fibre reinforcement reduces stroke and stabilises the soft stump parts. Thus the patient can follow nearly unrestricted his sporting activities. A silicone layer on the tear-resistant fabric reduces the rotation of the liner inside the socket. For active skin-care during sporting activities, parts of menthol, aloe vera and moisturising substances are incorporated.

Custom-made liners

All sizes of liners with different internal matrix of 5 - 18 cm length can be manufactured within 3 - 5 working days at no extra costs. All customized liners are reduced to a 3 month warranty.



Total length: approx. 370 mm

Size	Thickness	Internal matrix	Distal connection	Item-No.
16, 18, 20, 22, 23,5, 25, 26,5, 28, 30, 32, 34	3 mm	10 cm	with	1S15/..
16, 18, 20, 22, 23,5, 25, 26,5, 28, 30, 32, 34	3 mm	without	without	1S16/..

Ordering example: 1S15/16 = size 16



Sizing: Measure the distal circumference approx. 4 cm above the stump end and select the liner in the same size or one size smaller.

Socket Comfort - Silicone Liners



AK-Control Liner -2 mm-

Silicone liner made of 2 mm medium stable Control-Sil-Silicone

Characteristics

- activity level (walky): 2 to 4
- trans-femoral silicone liner with 2 mm wall thickness
- medium stable control-sil-silicone
- suitable for all trans-femoral amputations
- with external matrix for pistoning reduction
- with distal connection
- 6 months guarantee

Recommendation

Suitable for trans-femoral amputees with activity level of 2 - 4. The benefits of thin wall thickness are the good circular elasticity, low weight and the good adaptability even in case of bad stump conditions therefore providing for a smooth transition from liner to socket. The continuous control-matrix provides pistoning stop and optimal control of the prostheses which allows in addition a maximum radial expansion.

Sizes	Thickness	Item-No.
25, 26,5, 28, 30, 32, 34, 36, 38, 40, 42, 45, 50, 55	2 mm	1S60/..

Ordering example: 1S60/25 = size 25



Sizing: Measure the distal circumference approx. 4 cm above the stump end and select the liner in the same size or one size smaller.



Total length: approx. 370 mm

Socket Fittings - Gel Liners

Benefits of Gel-Liners

- „Flow characteristics“ (viscoelasticity) of the polymer gel provide even pressure distribution in the socket; e.g. significantly reduce pressure- and shear forces
- Medical white oils in the polymer gel provide care for the stressed stump skin and maintain the natural skin moisture
- Contex-Gel Liners are mouldable at 65° C (149° F) – for optimal adaption to unusual stump shapes
- Various ventral wall thicknesses (3, 6, 9 mm) with constant thin dorsal wall thickness (3 mm); e.g. additional cushioning for soft tissue substitution especially in pressure sensitive areas
- Conical liner shape for better adaption to most stump conditions
- Available with distal connection for all pin types and lock series sold by Streifeneder ortho production
- Available without distal connection for targeted stump moulding and for vacuum socket technology (VST)
- Excellently suited for prosthetic care of below-knee residual limbs, knee-ex articulations and above-knee residual limbs
- For users with difficult stumps and low to medium activity



Socket Comfort - Gel Liners

Hints for the technician / user

Streifeneder Polymer Gel has been dermatologically tested, inhibits bacteria and is hydro allergenic.

It absorbs pressure, is protective and has a skin-care effect and therefore makes the Contex-Gel-Liner very comfortable.

Gel-Liner require softly moulded prosthetic sockets! Edgy moulded socket shapes create possible pressure points at small surfaces, which may lead to premature material fatigue. Sharp prosthetic socket edges also cause premature tear of the ContexGel products. Please consider this when manufacturing the prosthetic socket and construct rounded edges.

Do not select a liner too small, as this may reduce the shock absorption characteristics (see Contex-Gel-Liner measuring chart).

The liner should not be shortened more than 10 cm circular above the socket edge.

Before first use, all Contex-Gel products must be cleaned with Skin-Care-Washing Lotion 10H2 and lots of warm water.

Generally, daily cleaning of the Contex-Gel-Liner resp. the Contex-Gel-Knee Sleeve is mandatory.

Please sensitize the users for these recommendations.

All products made of Streifeneder polymer gel are easy to clean. Cleaning does not affect their features. For cleaning, we recommend our pH-neutral washing lotion 10H2 and lots of warm water to rinse off the soap. After washing, the Contex-Gel-Liner is dried on the supplied liner stand. Usually, washing is done every evening / day, so enable the liner to dry at night.



Socket Comfort - Gel Liners with Textile Cover



ContexGel.basic

ContexGel-Liner, 3 mm, made of soft ContexGel

Designated use

- activity level (walky): 1 to 2
- for above-knee and below-knee amputees
- suitable to substitute soft tissue at the residual limb end
- for bony, pressure sensitive or difficult leg stumps

Characteristics

- thermoplastic mouldable at 65 °C (149 °F)
- optimal wearing comfort and good shock absorption in the entire stump area
- especially soft functional textile cover for easily rolling the liner up or down
- functional textile cover minimises longitudinal expansion
- excellent circular expansion adjusts to volume changes at the residual limb
- distal rotation control supports guidance of prosthesis
- available with distal connections for all Streifeneder pin types and locking systems
- available without distal connections for vacuum system technology (VST)

Material

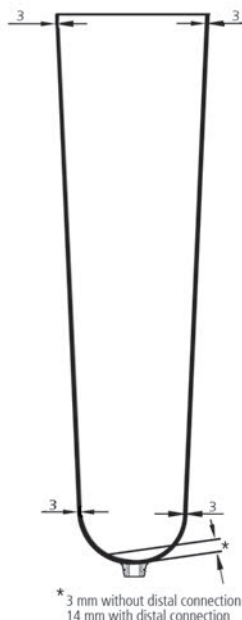
- wall thickness: 3 mm, conical shape
- soft ContexGel with medical white oil, antimicrobial fitted
- approx. 25 – 30° Shore 00
- abrasion-proof textile cover made of polyamide / elastane
- item 20L100 with PUR-rotation control
- colour: anthracite

Warranty

- 6 months



Dimension sketch:



Total length: approx. 420 mm

Size	Distal	Proximal	Distal connection	Item-No.
S	16 - 23 cm	25 - 36 cm	with	20L100/S
M	19 - 30 cm	30 - 43 cm	with	20L100/M
L	24 - 34 cm	38 - 58 cm	with	20L100/L
XL	28 - 39 cm	41 - 63 cm	with	20L100/XL
XXL	32 - 44 cm	43 - 69 cm	with	20L100/XXL
S	16 - 23 cm	25 - 36 cm	without	20L200/S
M	19 - 30 cm	30 - 43 cm	without	20L200/M
L	24 - 34 cm	38 - 58 cm	without	20L200/L
XL	28 - 39 cm	41 - 63 cm	without	20L200/XL
XXL	32 - 44 cm	43 - 69 cm	without	20L200/XXL

Scope of supply does include stand.



Sizing: Measure the distal circumference approx. 4 cm above the stump end and select the liner size in the area of the distal and proximal stump circumference according to the chart. The care of transtibial stumps with ContexGel-Liners without distal connection require the ContexGel Knee Sleeve (item-no. 30L1).

Socket Comfort - Gel Liners with Textile Cover



ContexGel.soft

ContexGel-Liner, anterior wall thickness 6 mm, posterior wall thickness 3 mm, made of soft ContexGel

Designated use

- activity level (walky): 1 to 2
- for above-knee and below-knee amputees
- suitable to substitute soft tissue at the tibia edge and stump end
- for bony and difficult leg stumps

Characteristics

- thermoplastic mouldable at 65 °C (149 °F)
- optimal wearing comfort and very good shock absorption in the anterior stump area
- especially soft functional textile cover for easily rolling the liner up or down
- thinner wall thickness in the posterior dorsal area improves knee flexion at prosthetic socket
- functional textile cover minimises longitudinal expansion
- excellent circular expansion adjusts to volume changes at the residual limb
- distal rotation control supports guidance of prosthesis
- available with distal connection for all Streifeneder pin types and locking systems
- available without distal connection for vacuum system technology (VST)

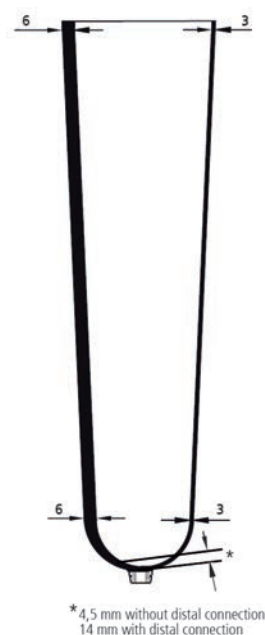
Material

- anterior wall thickness 6 mm, posterior wall thickness 3 mm, conical shape
- soft ContexGel with medical white oil, antimicrobial fitted
- approx. 25 – 30° Shore 00
- abrasion-proof textile cover made of polyamide / elastane
- item 21L100 with PUR-rotation control
- colour: anthracite

Warranty

- 6 months

Dimension sketch:



Total length: approx. 420 mm

Size	Distal	Proximal	Distal connection	Item-No.
S	16 - 23 cm	25 - 36 cm	with	21L100/S
M	19 - 30 cm	30 - 43 cm	with	21L100/M
L	24 - 34 cm	38 - 58 cm	with	21L100/L
XL	28 - 39 cm	41 - 63 cm	with	21L100/XL
XXL	32 - 44 cm	43 - 69 cm	with	21L100/XXL
S	16 - 23 cm	25 - 36 cm	without	21L200/S
M	19 - 30 cm	30 - 43 cm	without	21L200/M
L	24 - 34 cm	38 - 58 cm	without	21L200/L
XL	28 - 39 cm	41 - 63 cm	without	21L200/XL
XXL	32 - 44 cm	43 - 69 cm	without	21L200/XXL

Scope of supply does include stand.



Sizing: Measure the distal circumference approx. 4 cm above the stump end and select the liner size in the area of the distal and proximal stump circumference according to the chart. The care of transtibial stumps with ContexGel-Liners without distal connection require the ContexGel Knee Sleeve (item-no. 30L1).

Socket Comfort - Gel Liners with Textile Cover



ContexGel.soft+

ContexGel-Liner, anterior wall thickness 9 mm, posterior wall thickness 3 mm, made of soft ContexGel

Designated use

- activity level (walky): 1 to 2
- for above-knee and below-knee amputees
- suitable to substitute soft tissue at the tibia edge and stump end
- for bony, very pressure sensitive or difficult leg stumps

Characteristics

- thermoplastic mouldable at 65 °C (149 °F)
- optimal wearing comfort and excellent shock absorption in the anterior stump area
- especially soft functional textile lining for easily rolling the liner up or down
- thinner wall thickness in the posterior dorsal area improves knee flexion at prosthetic socket
- functional textile lining minimises longitudinal expansion
- excellent circular expansion adjusts to volume changes at the residual limb
- distal rotation control supports guidance of prosthesis
- available with distal connections for all Streifeneder pin types and locking systems
- available without distal connections for vacuum system technology (VST)

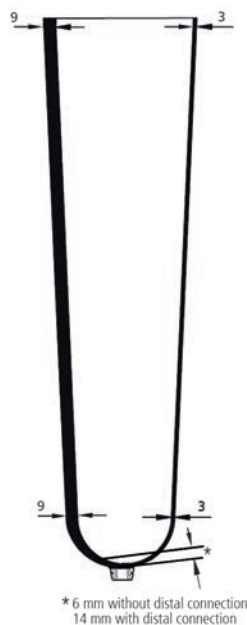
Material

- wall thickness: anterior wall thickness 9 mm, posterior wall thickness 3 mm, conical shape
- soft ContexGel with medical white oil, antimicrobial fitted
- approx. 25 – 30° Shore 00
- abrasion-proof textile cover made of polyamide / elastane
- item 22L1 with PUR-rotation control
- colour: anthracite

Warranty

- 6 months

Dimension sketch:



Total length: approx. 420 mm

Size	Distal	Proximal	Distal connection	Item-No.
S	16 - 23 cm	25 - 36 cm	with	22L100/S
M	19 - 30 cm	30 - 43 cm	with	22L100/M
L	24 - 34 cm	38 - 58 cm	with	22L100/L
XL	28 - 39 cm	41 - 63 cm	with	22L100/XL
XXL	32 - 44 cm	43 - 69 cm	with	22L100/XXL
S	16 - 23 cm	25 - 36 cm	without	22L200/S
M	19 - 30 cm	30 - 43 cm	without	22L200/M
L	24 - 34 cm	38 - 58 cm	without	22L200/L
XL	28 - 39 cm	41 - 63 cm	without	22L200/XL
XXL	32 - 44 cm	43 - 69 cm	without	22L200/XXL

Scope of supply does include stand.



Sizing: Measure the distal circumference approx. 4 cm above the stump end and select the liner size in the area of the distal and proximal stump circumference according to the chart. The care of transtibial stumps with ContexGel-Liners without distal connection require the ContexGel Knee Sleeve (item-no. 30L1).

Socket Comfort - Gel Liners



ContexGel-Liner with distal connection

ContexGel-Liner, made of soft ContexGel



Characteristics

- activity level (walky): 1 to 3
- for above-knee and below-knee amputees
- with distal connection for all pin types (clutch-, shuttle- and easy-locks)
- conical shape
- three different wall thicknesses of 3 mm, 6 mm and 9 mm in tibial area, and 3 mm in dorsal area
- liner length 45 cm
- easy roll-up due to especially smooth and durable textile cover and excellent circular elasticity
- minimal longitudinal elasticity of textil covering avoids pump action in the socket
- Streifeneder Polymer Gel skin care effect by addition of medical white oil
- thermoplastic mouldable at 65 °C (149 °F), therefore suitable for untypical residual limb shapes
- 6 months guarantee

Recommendation

Due to the high wearing comfort and the optimal adaption to the stump shape, the ContexGel-Liner can be used multifunctionally (as BK- (all thicknesses) and AK-liner (thickness 3 mm)). The soft and flexible Streifeneder Polymer Gel offers skin caring properties, it is impact decreasing and it provides for an optimal stump embedding. Even the 9 mm liner has in the posterior area a 3 mm wall thickness which makes joint flexion more comfortable.



2S10



2S20



Size	Distal circ.	Proximal circumference	Thickness	Item-no. (green:) 2S10/... (grey:) 2S20/...
S	16 - 23 cm	25 - 36 cm	3 mm	...3S
M	19 - 30 cm	30 - 43 cm	3 mm	...3M
L	24 - 34 cm	38 - 58 cm	3 mm	...3L
XL	28 - 39 cm	41 - 63 cm	3 mm	...3XL
XXL	32 - 44 cm	43 - 69 cm	3 mm	...3XXL
S	16 - 23 cm	25 - 36 cm	6 mm	...6S
M	19 - 30 cm	30 - 43 cm	6 mm	...6M
L	24 - 34 cm	38 - 58 cm	6 mm	...6L
XL	28 - 39 cm	41 - 63 cm	6 mm	...6XL
XXL	32 - 44 cm	43 - 69 cm	6 mm	...6XXL
S	16 - 23 cm	25 - 36 cm	9 mm	...9S
M	19 - 30 cm	30 - 43 cm	9 mm	...9M
L	24 - 34 cm	38 - 58 cm	9 mm	...9L
XL	28 - 39 cm	41 - 63 cm	9 mm	...9XL
XXL	32 - 44 cm	43 - 69 cm	9 mm	...9XXL

Ordering example: 2S10/3XS = colour: green, thickness 3 mm, size XS



Sizing: Measure the distal circumference approx. 4 cm above the stump end and select the liner size in the area of the distal and proximal stump circumference according to the chart.

Socket Comfort - Gel Liners



ContexGel-Liner without distal connection

- activity level (walky): 1 to 3
- same version like item 2S10 and 2S20 but without distal connection
- 6 months guarantee

Recommendation

The ContexGel-Liner without distal connection is especially recommended for vacuum system technique and knee disarticulations.



2S11



2S21

Size	Distal circ.	Proximal circumference	Thickness	Item-no. (green:) 2S11/... (grey:) 2S21/...
S	16 - 23 cm	25 - 36 cm	3 mm	...3S
M	19 - 30 cm	30 - 43 cm	3 mm	...3M
L	24 - 34 cm	38 - 58 cm	3 mm	...3L
XL	28 - 39 cm	41 - 63 cm	3 mm	...3XL
XXL	32 - 44 cm	43 - 69 cm	3 mm	...3XXL
S	16 - 23 cm	25 - 36 cm	6 mm	...6S
M	19 - 30 cm	30 - 43 cm	6 mm	...6M
L	24 - 34 cm	38 - 58 cm	6 mm	...6L
XL	28 - 39 cm	41 - 63 cm	6 mm	...6XL
XXL	32 - 44 cm	43 - 69 cm	6 mm	...6XXL
S	16 - 23 cm	25 - 36 cm	9 mm	...9S
M	19 - 30 cm	30 - 43 cm	9 mm	...9M
L	24 - 34 cm	38 - 58 cm	9 mm	...9L
XL	28 - 39 cm	41 - 63 cm	9 mm	...9XL
XXL	32 - 44 cm	43 - 69 cm	9 mm	...9XXL

Ordering example: 2S11/3XS = Colour Green, Thickness 3 mm, Size XS



The care of transtibial stumps with ContexGel-Liners without distal connection require the ContexGel Knee Sleeve (item-no. 3S10 or 3S20).





ContexGel Knee Sleeve

- with Streifeneder Polymer Gel
- 3 mm wall thickness
- soft and elastic
- no pinch in the area of the knee joint
- high adhesion with high wearing-comfort
- abrasion-resistant textile cover for easy handling
- thermoplastic mouldable at 65 °C
- 3 months guarantee

Recommendation

ContexGel Knee Sleeves can be used for BK amputees as a suspension sleeve or as a sealing-mechanism for vacuum sockets. The anatomical shape allows for an all-around 3 mm material-thickness. Therefore the ContexGel Knee Sleeve stays elastic and with its comfortable posterior sewing eliminates posterior pressure. The special Streifeneder Polymer Gel offers a supreme seal and stretch. The abrasion resistant textile allows easy handling for donning and doffing (up and down).

3S10



3S20



Size	Distal circ.	Proximal circumference	Length	Item-no. (sand:) 3S10/... (grey:) 3S20/...
XS	14 - 19 cm	21 - 24 cm	37 cm	...XS
S	15 - 23 cm	23 - 35 cm	37 cm	...S
M	21 - 31 cm	29 - 44 cm	37 cm	...M
L	28 - 43 cm	36 - 52 cm	37 cm	...L
XL	34 - 48 cm	42 - 58 cm	37 cm	...XL
XXL	38 - 52 cm	43 - 64 cm	37 cm	...XXL

Ordering example: 3S10/XS = colour sand, size XS

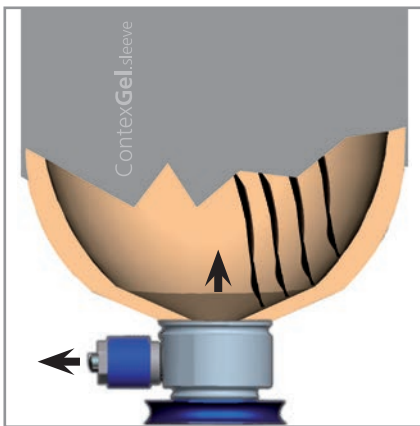


Sizing: ContexGel Knee Sleeves are available in 6 sizes. If possible, please position the sleeve with its middle at the MTP. Also taking measurements for the thigh circumference should start at this point 15 cm towards proximal. This will determine the optimal size of the knee sleeve for the patient.

Socket Comfort – Application Aids

The application aids ContexGel.Knee Sleeve (30L1), AK- and BK-suspenders (300A1 and 23A1) by Streifeneder ortho production provide correct support and position of leg prostheses. Especially in vacuum socket technology (VST) for below-knee short prostheses, a closed system without air intrusion is very important.

The ContexGel.Knee Sleeve works like a knee- resp. sealing cap; and prevents intrusion of air and together with the exhaust valve, safely holds the leg prosthesis at the residual limb of the user.



Traditional varieties of prosthetic applications can be found in a modern version in our AK-Suspenders and BK-Suspenders. These so-called holding bandages for above-knee and below-knee prostheses also provide correct connections and at the same time support the guidance of leg prostheses.

Benefits for the user

- Easier putting the prosthesis on and better wearing guidance of the prosthesis with our without exhaust valve or liner system
- Slip resistant materials at the inside prevent slipping of the prosthetic socket
- Stable and reinforced transversely elastic fabrics optimally adapt to the stump shape
- Wide range of size variety covers individual user conditions

Socket Comfort - Application Aids



ContexGel.sleeve

ContexGel knee sleeve, 3 mm uniform



Designated use

- ContexGel-Knee Sleeves are suitable for below-knee amputees as knee support bandage or as sealing cap for vacuum-socket technology (VST)
- additional guidance for the knee and stabilisation for short prostheses
- smaller sizes are used as holding bandages in arm prosthetics

Characteristics

- thermoplastic mouldable at 65 °C
- satined knee area prevents tension sensations in the knee joint area
- for optimal hold in the distal and proximal area
- especially soft functional textile cover for easily rolling the liner up or down
- functional textile cover minimises longitudinal expansion
- excellent circular expansion adjusts to the socket- and stump-anatomy
- product recommendation additionally for vacuum-socket technology (VST)

Material

- wall thickness: 3 mm, conical form
- soft ContexGel with medical white oil, antibacterial fitted
- approx. 25 – 30° Shore 00
- abrasion-proof textile cover made of polyamide / elastane
- colour: anthracite

Warranty

- 3 months

Size	Distal	Proximal	Length	Item-No.
S	15 - 23 cm	23 - 35 cm	37 cm	30L1/S
M	21 - 31 cm	29 - 44 cm	37 cm	30L1/M
L	28 - 43 cm	36 - 52 cm	38,5 cm	30L1/L
XL	34 - 48 cm	42 - 58 cm	38,5 cm	30L1/XL
XXL	38 - 52 cm	43 - 64 cm	38,5 cm	30L1/XXL



Sizing: ContexGel Knee Sleeves are available in 6 sizes. If possible, please position the sleeve with its middle at the MTP. Also taking measurements for the thigh circumference should start at this point 15 cm towards proximal. This will determine the optimal size of the knee sleeve for the patient.



ContexGel.protect

Protective cover for ContexGel.sleeve



Designated use

- protective cover for sharp-edged prosthetic sockets

Characteristics

- expandable protective cover prevents premature tear of the ContexGel knee sleeves
- the protective cover is worn underneath the ContexGel knee sleeve
- the distal inner side is equipped with a silicone edge, which prevents slipping at the prosthetic socket
- additional adhering not necessary

Material

- durable and expandable functional fabric, made of polyurethane / polyamide / elastane
- colour: black

Warranty

- 6 months

Size	Side	for knee sleeve	Length	Item-No.
S	universal	size S	19 cm	3S50/S
M	universal	size M	19 cm	3S50/M
L	universal	size L	22 cm	3S50/L
XL	universal	size XL + XXL	22 cm	3S50/XL

Socket Comfort - Application Aids



AK-Suspender

AK-Prosthesis Support



Scope of supply does not include components.

Designated use

- fixes a prosthesis at the user's pelvis and prevents slipping of the prosthesis from the residual limb
- the suspender is used to support upper thigh-suction sockets, if sufficient vacuum cannot be achieved

Characteristics

- facilitates putting the prosthesis on and improves guidance during wearing the upper thigh-prosthesis without rubber valve or liner system
- slip resistant, elastic neoprene at the inside of the leg section adheres to the socket
- stable, reinforced transversely elastic material in the pelvic / hip area optimally adjusts to the body shape
- individual adjustment options by two frontal hook- and loop fasteners

Material

- leg section: 100 % neoprene (cellular rubber), outer textile lining: 100 % polyamide (PA)
- pelvic section: 46 % polyamide (PA), 30 % viscose (CV), 24 % elasthane (EL)
- colour: silver/anthracite
- machine washable at 30 °C

Size	Hip circ.	Circ. medial / socket edge	Side	Item-No.
S	60 - 74 cm	36 - 40 cm	right	300A1/RS
M	66 - 80 cm	40 - 44 cm	right	300A1/RM
L	76 - 90 cm	44 - 48 cm	right	300A1/RL
XL	86 - 100 cm	48 - 52 cm	right	300A1/RXL
XXL	96 - 110 cm	52 - 56 cm	right	300A1/RXXL
S	60 - 74 cm	36 - 40 cm	left	300A1/LS
M	66 - 80 cm	40 - 44 cm	left	300A1/LM
L	76 - 90 cm	44 - 48 cm	left	300A1/LL
XL	86 - 100 cm	48 - 52 cm	left	300A1/LXL
XXL	96 - 110 cm	52 - 56 cm	left	300A1/LXXL

Socket Comfort - Application Aids



BK-Suspender

Knitted Holding Aid for BK-protheses

Designated use

- additional fixation of the BK-prosthesis at the leg; prevents slipping of the prosthesis of the residual limb
- supports the prosthesis guidance
- supports and takes load off the knee joint capsule when wearing a short prosthesis

Characteristics

- maximum vertical elasticity, nearly no horizontal elasticity
- anatomical, flexional shape

Material

- 75 % PA polyamid, 25 % EL elasthan (without latex)
- colour: silver/anthracite

Warranty

- 3 months

Size	Circ. distal	Circ. proximal	Length	Item-No.
S	26 - 30 cm	34 - 38 cm	35 cm	23A1/S
M	29 - 33 cm	38 - 42 cm	35 cm	23A1/M
L	32 - 36 cm	42 - 46 cm	35 cm	23A1/L
XL	35 - 39 cm	46 - 50 cm	35 cm	23A1/XL

For right and left side.



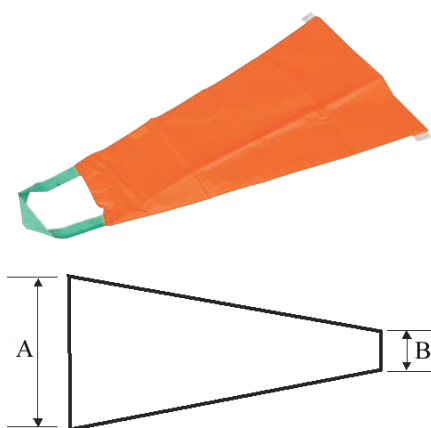
Easy-Proth

Donning aid

- donning aid to pull residual limb into prosthetic socket
- for wearers of trans-femoral prostheses with suction socket
- allows the patient to easily slide into the socket with the stump
- this is guaranteed by a material with high sliding qualities

A = diameter of proximal stump circumference

B = distal stump circumference



Size	A	B	Item-No.
XS	up to 40 cm	12 cm	13A1/XS
S	41 - 45 cm	13 cm	13A1/S
M	46 - 58 cm	14 cm	13A1/M
L	59 - 70 cm	15,5 cm	13A1/L
XL	71 - 80 cm	16 cm	13A1/XL
XXL	from 81 cm	16 cm	13A1/XXL

Socket Comfort - Application Aids



DAW-Slipper

Donning Aid for AK-protheses



Designated use

- donning aid for AK-protheses (with suction socket)

Characteristics

- the soft inside feels comfortable on the skin
- the smooth outside helps sliding into the prosthesis easier
- loop approx. 80 cm long, reinforced distal end with seam
- original DAW product

Material

- 100 % PA (nylon), colour: white
- very fine, thin quality, open knitted
- the knitting technique prevents ladders
- machine washable at 30 °C

AK-circumference	Length	Item-No.
26 - 32 cm	50 cm	13A2/1
33 - 40 cm	50 cm	13A2/2
41 - 50 cm	50 cm	13A2/3
51 - 60 cm	50 cm	13A2/4
61 - 70 cm	50 cm	13A2/5



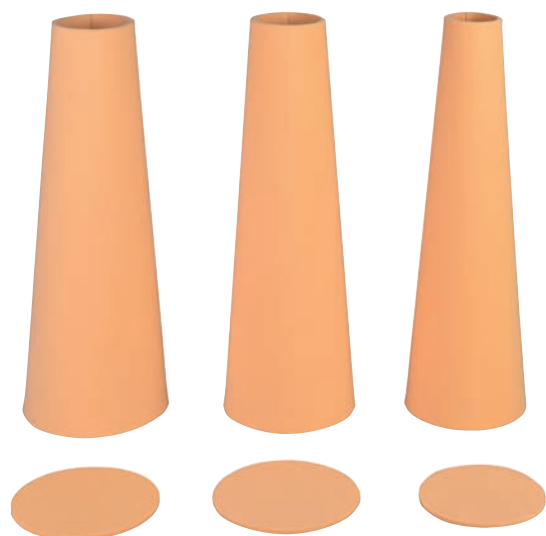
AK-circumference must be measured at the height of the upper prosthesis socket.

Suspension Sleeve -double stretch-



- for additional fixation of trans-tibial prostheses
- extra elastic in the knee area
- skin colour

Below	Circumf.	Above	Item-No.
280 mm	310 mm	410 mm	20A1/S
295 mm	325 mm	425 mm	20A1/M
310 mm	340 mm	440 mm	20A1/L
325 mm	355 mm	455 mm	20A1/XL



Streifycone for Soft-Socket

Designated use

- pre-fabricated conus with distal end cap for time-saving production of soft-sockets
- the material Streifyfoam (expanded soft-polyethylene) is optimally thermoplastic mouldable at 130 - 135 °C

Characteristics

- does not shrink, features excellent restoring force and is easily cleaned with ph-neutral soapy water
- closed-cell foam material and therefore very hygienic and non-irritant to the skin

Material

- thickness: 5 mm, Shore A 35 - 40°
- height: 425 mm for all sizes

Distal circum- ference	Proximal circ.	Ø distal end cap	Size	Item-No.
190 mm	390 mm	116 mm	S	6S1/S
230 mm	420 mm	136 mm	M	6S1/M
260 mm	470 mm	136 mm	L	6S1/L



Heat lying flat in the infrared-oven 50M25 or standing upright in the heating cabinet 50M2 at 130 – 135 °C for approx. 3 – 5 minutes, then pull it over the dry cast model. For bonding the distal end cap, it is best to use our forte contact glue 118P13.

Socket Comfort - Care Products & Accessories



Stump Care Agent PC30V

- stump care cream for external application, for the wearers of prostheses, as well as of other orthopaedic appliances and accessories
- prevents pressure and rubbing zones
- also conditions and strengthens the skin
- applicable for decubitus prophylaxis
- free of skin irritating substances

Volume	Item-No.
100 ml	10H1/100
250 ml	10H1/250



Skin Care Washing Lotion

- cleans skin, prostheses, orthoses and liners with gentle care
- prevents skin irritations
- pH-neutral
- prevents body odour

Volume	Item-No.
250 ml	10H2



Skin Care Skin Protection Cream

- Silicoderm F
- creates an effective protective layer
- prevents penetration of dirt-particles
- protects the physiological acid layer
- economical in use

Volume	Item-No.
35 g	10H3



Skin Care Moisturising Lotion

- conditions and regenerates dry and stressed skin
- protects against pressure and rubbing
- soothes skin irritations
- reduces sweat and odour

Volume	Item-No.
250 ml	10H4

Socket Comfort - Care Products & Accessories



Skin Care Spray

- silicone put-on-support for liners without textile cover
- the silicone liner receives a slide-on layer with the spray
- an easy donning and doffing of the liner is obtained
- optimal grip by rapid vaporescence

Volume	Item-No.
200 ml	10H5



Refill Bottle for Skin Care Spray

Volume	Item-No.
1000 ml	10H5/1



Cutasept F

- for post operative skin disinfection
- for hygienic disinfection of compression liners
- liner donning support for easy donning

Volume	Item-No.
250 ml	10H6



Disinfection Gel for Hands

- cleans hands without water
- active ingredient concentrated ethanol, which grants the elimination of bacteria on the skin surface by its disinfecting effect
- glycerol provides necessary moisture to the skin



Content	Item-No.
100 ml	10H7/100



Rotary Cutter

- cuts textile and liner material without difficulty
- the rotary blade facilitates contouring accuracy
- blade diameter 45 mm

		Item-No.
		166P55



Replacement Blade for Rotary Cutter

- for item 166P55

Cut of blade	Diameter	Item-No.
straight	45 mm	166P55/1

Socket Comfort - Stump Care

Stump Sock StreifyDerm

2 mm polymer gel

- stump sock for the prosthetic provisioning of the lower extremities
- stump sock consisting of nylon textures and coated with 2 mm polymer gel



Gel length / size	Stump length	Circ. distal	Circ. proximal	Item-No.
20 cm / 1	25 - 34 cm	17 - 24 cm	17 - 26 cm	26A10/1
25 cm / 2	38 - 44 cm	18 - 28 cm	18 - 32 cm	26A10/2
25 cm / 3	38 - 44 cm	20 - 34 cm	20 - 38 cm	26A10/3
33 cm / 4	43 - 49 cm	20 - 34 cm	20 - 38 cm	26A10/4
25 cm / 5	43 - 49 cm	23 - 37 cm	23 - 43 cm	26A10/5
33 cm / 6	46 - 54 cm	23 - 37 cm	23 - 43 cm	26A10/6
33 cm / 7	46 - 54 cm	28 - 42 cm	28 - 49 cm	26A10/7
33 cm / 8	46 - 54 cm	31 - 50 cm	31 - 56 cm	26A10/8

Stump Sock StreifyDerm Cushion

3 mm polymer gel

- for the prosthetic provisioning of the lower extremities
- consisting of nylon texture and coated with 3 mm polymer gel



Gel length / size	Stump length	Circ. distal	Circ. proximal	Item-No.
20 cm / 1	25 - 34 cm	17 - 24 cm	17 - 26 cm	26A20/1
25 cm / 2	38 - 44 cm	18 - 28 cm	18 - 32 cm	26A20/2
25 cm / 3	38 - 44 cm	20 - 34 cm	20 - 38 cm	26A20/3
33 cm / 4	43 - 49 cm	20 - 34 cm	20 - 38 cm	26A20/4
25 cm / 5	43 - 49 cm	23 - 37 cm	23 - 43 cm	26A20/5
33 cm / 6	46 - 54 cm	23 - 37 cm	23 - 43 cm	26A20/6
33 cm / 7	46 - 54 cm	28 - 42 cm	28 - 49 cm	26A20/7
33 cm / 8	46 - 54 cm	31 - 50 cm	31 - 56 cm	26A20/8

Stump Sock StreifyDerm Endurance

two nylon textures and 2 mm polymer gel

- for the prosthetic provisioning of the lower extremities
- consisting of two nylon textures and with 2 mm polymer gel in between



Gel length / size	Stump length	Circ. distal	Circ. proximal	Item-No.
20 cm / 1	25 - 34 cm	17 - 24 cm	17 - 26 cm	26A30/1
25 cm / 2	38 - 44 cm	18 - 28 cm	18 - 32 cm	26A30/2
25 cm / 3	38 - 44 cm	20 - 34 cm	20 - 38 cm	26A30/3
33 cm / 4	43 - 49 cm	20 - 34 cm	20 - 38 cm	26A30/4
25 cm / 5	43 - 49 cm	23 - 37 cm	23 - 43 cm	26A30/5
33 cm / 6	46 - 54 cm	23 - 37 cm	23 - 43 cm	26A30/6
33 cm / 7	46 - 54 cm	28 - 42 cm	28 - 49 cm	26A30/7
33 cm / 8	46 - 54 cm	31 - 50 cm	31 - 56 cm	26A30/8

Socket Comfort - Stump Care



DAW-Nylon-Sheath

standard type, conical universal shape



Designated use

- the DAW nylon sheath is worn directly on the skin to keep the skin dry and to prevent irritation by reducing friction, which provides better adhesion between skin and prosthesis
- optimal compression of the tissue, therefore ideal support of blood reflux and stimulation of the capillary vessels

Characteristics

- the soft inner surface is comfortable on the skin
- the whipped seam of the cuff marks the outside
- the smooth outside facilitates getting into the prosthesis resp. makes it easier to put on additional sock

Material

- 100 % PA (nylon)
- colour: white
- fine, smooth and openly knitted quality
- the knitting technique prevents ladders
- machine washable at 30 °C



Form	Length in cm	Item-No.
A	20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75	25A50/A..
B	25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80	25A50/B..
C	20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75	25A50/C..
D	20, 25, 30, 35, 40, 45, 50, 55, 60, 65	25A50/D..
E	20, 25, 30, 35, 40, 45, 50	25A50/E..

Forms

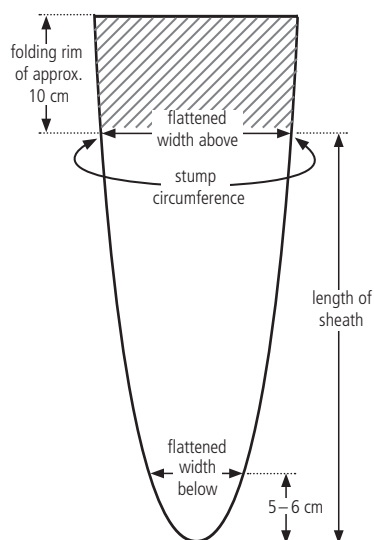
Form	Stump circ.*	Approx. width above x below sheath
A	40-50 cm	15 x 9 cm, 20 x 10 cm
B	50-60 cm	20 x 10 cm
C	more than 60 cm	25 x 17 cm
D	30-40 cm	15 x 9 cm
E	up to 30 cm	arm stump sock

Ordering example: 25A50/A20 = form A, length 20 cm

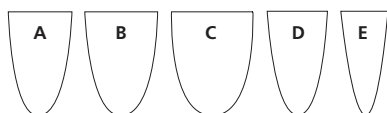


Size determination: *The circumference of the stump resp. upper thigh must be measured at the upper edge of the prosthesis. The measured circumference determines the sheath form (A, B, C, D). The length of the sheath must also be measured from the upper edge of the prosthesis, to the tip of the sheath. The sheath has a folding rim of approx. 10 cm. The rim must not be considered in the dimensions!

Dimension sketch:



Forms:



Socket Comfort - Stump Care



DAW-Nylon-Sheath

for knee disarticulation



Designated use

- the DAW nylon sheath is worn directly on the skin to keep the skin dry and to prevent irritation by reducing friction, which provides better adhesion between skin and prosthesis
- optimal compression of the tissue, therefore ideal support of blood reflux and stimulation of the capillary vessels

Characteristics

- the soft inner surface is comfortable on the skin
- the whipped seam of the cuff marks the outside
- the smooth outside facilitates getting into the prosthesis resp. makes it easier to put on additional sock
- the special contour at the distal end optimally adapts to the anatomical shape of the knee disarticulation residual limb

Material

- 100 % PA (nylon)
- colour: white
- very fine, smooth and openly knitted quality
- machine washable at 30 °C

Form	Thigh circ.	Knee circ.	Length in cm	Item-No.
A	up to 50 cm	up to 35 cm	40, 45, 50, 55	25A51/A..
B	up to 60 cm	up to 35 cm	40, 45, 50, 55	25A51/B..

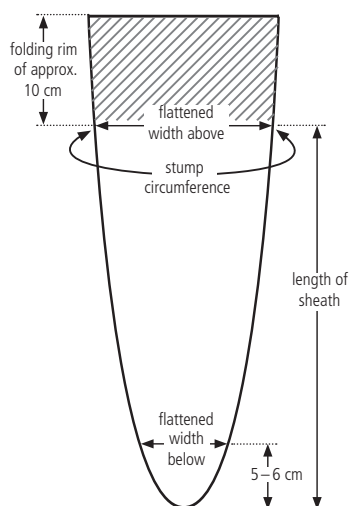
Ordering example: 25A51/A40 = form A, length 40 cm



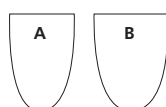
Size determination: The circumference of the stump resp. upper thigh must be measured at the upper edge of the prosthesis.

The measured circumference determines the sheath form (A, B). The length of the sheath must also be measured from the upper edge of the prosthesis, to the tip of the sheath. The sheath has a folding rim of approx. 10 cm. The rim must not be considered in the dimensions!

Dimension sketch:



Forms:



Socket Comfort - Stump Care



Terrycloth Stump Sock for BK-amputees

thick quality, straight shape



Designated use

- very effective to even out differing volume, due to voluminous inside with terry-cloth loops
- item-no. 25A10 with vulcanised rubber opening for pin, to be worn over any liner
- item-no. 25A11 without opening for pin, may be worn directly on the skin or over any sheath, e.g. item-no. 25A50

Characteristics

- very comfortable wear due to high cotton content
- the terry-cloth loops on the inside provide excellent cushioning effect and climate management, since this voluminous type may store abundant moisture
- very stretchable and yet dimensionally stable knitting technique

Material

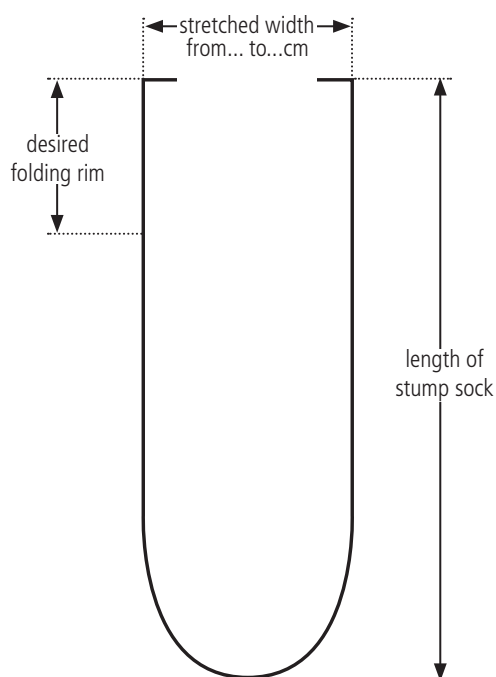
- 85 % (CO) cotton, 15 % (PA) textured (crinkled) polyamide silk
- machine washable up to 60 °C



Length in cm	Colour	Item-No. with hole for pin	Item-No. without hole for pin
20, 25, 30, 35, 40, 45, 50, 55, 60	blue	25A10/..B	25A11/..B
20, 25, 30, 35, 40, 45, 50, 55, 60	peach	25A10/..H	25A11/..H
20, 25, 30, 35, 40, 45, 50, 55, 60	black	25A10/..S	25A11/..S
20, 25, 30, 35, 40, 45, 50, 55, 60	turquoise	25A10/..T	25A11/..T
20, 25, 30, 35, 40, 45, 50, 55, 60	white	25A10/..W	25A11/..W

Ordering example: 25A11/20B = without hole for pin, length 20 cm, colour blue. In colours green, yellow, purple or red available upon request.

Dimension sketch:



If a cuff is desired, its length must be added to the stocking length. Size is determined by sock length only. For bigger circumferences of the residual limb, the sock length becomes shorter due to stretching.

The sock stretches from approx. 10 cm up to 20 cm.

Socket Comfort - Stump Care



Terrycloth Stump Sock for BK-amputees

thick quality, straight shape, with wool content



Designated use

- very effective to even out differing volume, voluminous knit ware due to crinkled fibre
- item-no. 25A12 with vulcanised rubber opening for pin, to be worn over any liner
- item-no. 25A13 without opening for pin, may be worn directly on the skin or over any sheath e.g. item-no. 25A50

Characteristics

- the terry-cloth loops on the inside provide excellent cushioning effect and climate management, since this voluminous type may store abundant moisture
- very comfortable wear and warming effect due to wool content
- during wearing, the stocking shape adapts to the individual shape of the residual limb

Material

- 50 % (WO) wool, 25 % PA (acryl), 10 % PA (polyamid), 15 % (PA) textured (crinkled) polyamide silk
- off-white
- machine washable up to 60 °C



Length in cm	Type	Item-No.
25, 35, 40	with hole for pin	25A12/..
25, 30, 35, 40, 45,	without hole for pin	25A13/..

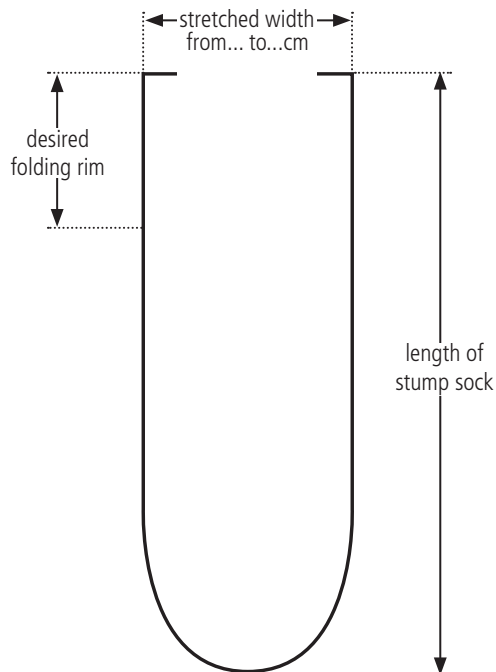
Ordering example: 25A12/25 = with hole for pin, length 25 cm



If a cuff is desired, its length must be added to the stocking length. Size is determined by sock length only. For bigger circumferences of the residual limb, the sock length becomes shorter due to stretching.

The sock stretches from approx. 9 cm up to 22 cm.

Dimension sketch:



Socket Comfort - Stump Care



Terrycloth Stump Sock for BK-amputees

extra thick quality, straight shape, with Lycra® content



Designated use

- very effective to even out differing volume, due to voluminous inside with terry-cloth loops
- this type without opening for pin may be worn over any liner or directly on the skin
- light compression effect, due to Lycra® content
- an additional sheath, e.g. item-no. 25A50 may be worn directly on the skin in order to keep the skin dry

Characteristics

- extremely stretchable (more than double of unstretched width) due to Lycra® content
- very high dimensional stability by Lycra® content, i.e. the material always retightens to its original shape
- very comfortable wear due to high cotton content
- the terry-cloth loops on the inside provide excellent cushioning effect and climate management, since this voluminous type may store abundant moisture

Material

- 95 % (CO) cotton, 5 % (EL) elastane (Lycra®)
- colour: white
- machine washable up to 60 °C



Length in cm	Type	Item-No.
20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 75	without hole for pin	25A14/..

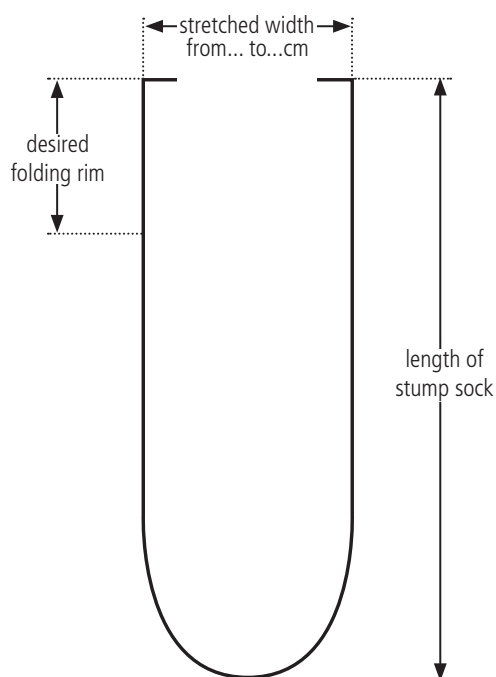
Ordering example: 25A14/20 = length 20 cm



If a cuff is desired, its length must be added to the stocking length. Size is determined by sock length only. For bigger circumferences of the residual limb, the sock length becomes shorter due to stretching.

The sock stretches from approx. 7,5 cm up to 19 cm.

Dimension sketch:



Socket Comfort - Stump Care



Cotton Stump Sock for BK-amputees

thin, smooth quality, straight shape, with high elastane content



Designated use

- item-no. 25A20 with vulcanised rubber opening for pin, to be worn over any liner
- item-no. 25A21 without opening for pin, may be worn directly on the skin
- effective to even out differing volume
- light compression effect, due to high elastane content

Characteristics

- very high stretching ability and shape stability due to high elastane content, i.e. the material always retightens to its original shape
- very comfortable wear and skin tolerance due to high cotton content

Material

- 85 % (CO) cotton, 15 % (EL) elastane
- colour: white
- machine washable up to 60 °C



Length in cm	Type	Item-No.
20, 25, 30, 35, 40, 45, 50, 55, 60	with hole for pin	25A20/..
20, 25, 30, 35, 40, 45, 50, 55, 60, 70, 75	without hole for pin	25A21/..

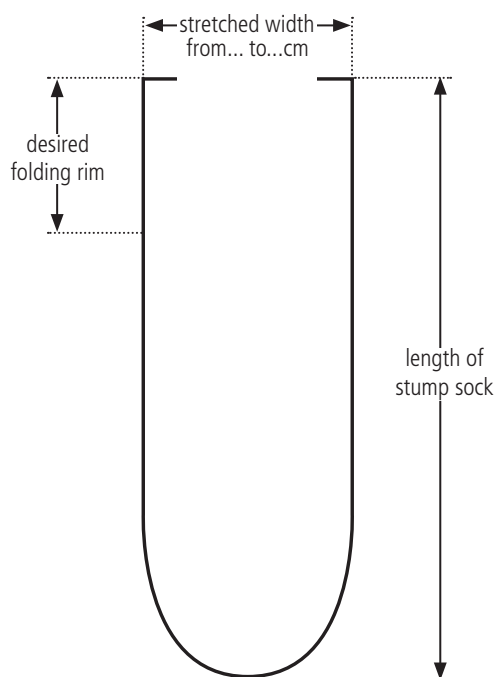
Ordering example: 25A20/20 = with hole for pin, length 20 cm



If a cuff is desired, its length must be added to the stocking length. Size is determined by sock length only. For bigger circumferences of the residual limb, the sock length becomes shorter due to stretching.

The sock stretches from approx. 8 cm up to 16 cm.

Dimension sketch:



Socket Comfort - Stump Care



Cotton Stump Sock for BK-amputees

thin, smooth quality, straight shape, with elastane content



Designated use

- item-no. 25A23 with vulcanised rubber opening for pin, to be worn over any liner
- item-no. 25A24 without opening for pin, may be worn directly on the skin
- effective to even out differing volume
- light compression effect, due to elastane content

Characteristics

- extremely stretchable and dimensional stability by high elastane content, i.e. the material always retightens to its original shape
- very comfortable wear and skin tolerance due to high cotton content
- flat, single layer cuff

Material

- 95 % (CO) cotton, 5 % (EL) elastane
- colour: off-white
- machine washable up to 60 °C



Length in cm	Type	Item-No.
20, 25, 30, 35, 40, 45, 50, 55	with hole for pin	25A23/..
20, 25, 30, 35, 40, 45, 50, 55, 60	without hole for pin	25A24/..

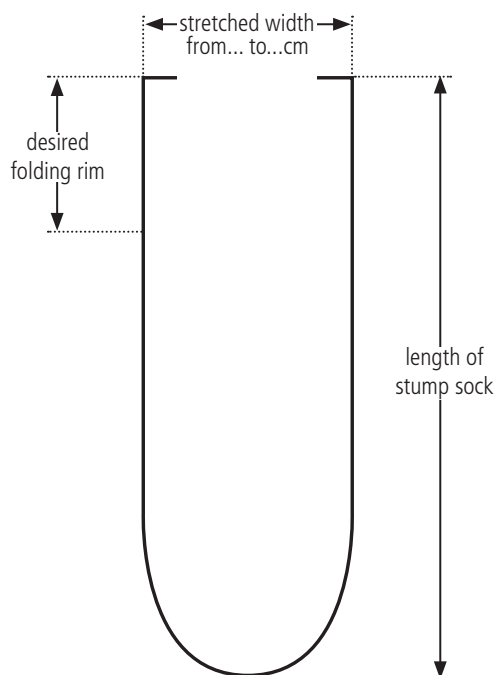
Ordering example: 25A23/20 = with hole for pin, length 20 cm



If a cuff is desired, its length must be added to the stocking length. Size is determined by sock length only. For bigger circumferences of the residual limb, the sock length becomes shorter due to stretching.

The sock stretches from approx. 10 cm up to 20 cm.

Dimension sketch:



Socket Comfort - Stump Care



Nylon Stump Sock for BK-amputees

very fine-knit, thin quality, straight shape

Designated use

- to be worn over the liner to effectively protect the liner

Characteristics

- item-no. 25A30 features twisted, double material layer, which itself forms a pin opening
- item-no. 25A31 with vulcanised rubber opening for pin
- the whipped seam of the cuff marks the inside; the smooth side of the knitted fabric must face outwards

Material

- 100 % PA (nylon), knitted fabric, similar to opaque tights
- colour: white
- machine washable up to 60 °C



Length in cm	Type	Item-No.
25, 30, 35, 40, 45, 50, 55	with hole for pin	25A30/..
25, 30, 35, 40, 45, 50, 55	with vulcanized hole for pin	25A31/..

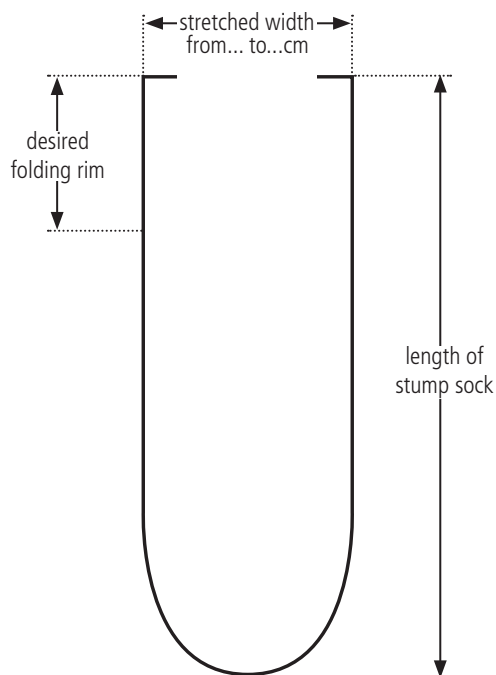
Ordering example: 25A30/25 = with twisted, double material layer forming a pinopening, length 25 cm



If a cuff is desired, its length must be added to the stocking length. Size is determined by sock length only. For bigger circumferences of the residual limb, the sock length becomes shorter due to stretching.

The sock stretches from approx. 11 cm up to 20 cm.

Dimension sketch:



Socket Comfort - Stump Care



Nylon Stump Sock for BK-amputees

thin, fine-knit quality, straight shape, large pin opening

Designated use

- to be worn over the liner to effectively protect the liner

Characteristics

- the pin opening, diam. approx. 4 cm, is formed by a knitted cuff (e.g. suitable for a KISS® Lanyard system)
- the whipped seam of the cuff marks the inside; the smooth side of the knitted fabric must face outwards

Material

- 100 % PA (nylon), open knitted fabric, similar to opaque tights
- colour: white
- machine washable up to 60 °C



Length in cm	Type	Item-No.
25, 35, 45	with knitted hole for pin	20A61/..

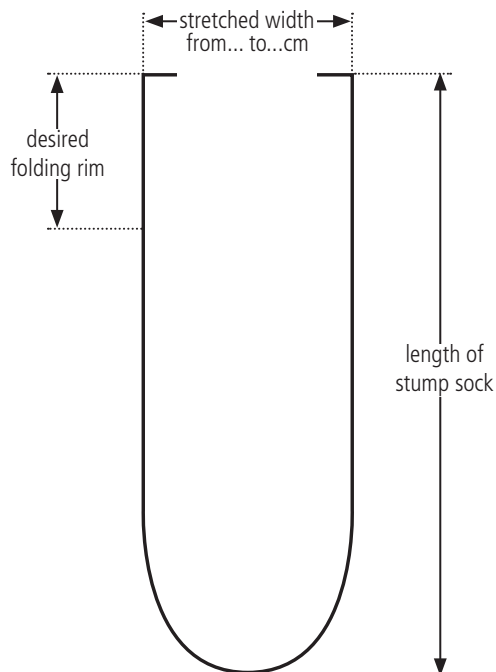
Ordering example: 20A61/25 = length 25 cm



If a cuff is desired, its length must be added to the sock length. Size is determined by sock length only. For bigger circumferences of the residual limb, the sock length becomes shorter due to stretching.

The sock stretches from approx. 10 cm up to 20 cm.

Dimension sketch:



Socket Comfort - Stump Care



Terrycloth Stump Sock for AK-amputees

thick quality, conical form



Designated use

- very effective to even out differing volume, due to voluminous inside with terry-cloth loops
- item-no. 25A15 with vulcanised rubber opening for pin, to be worn over any liner
- item-no. 25A16 without opening for pin, may be worn directly on the skin or over any sheath e.g. item-no. 25A50

Characteristics

- conical shape, therefore with lateral flat cover seam
- very comfortable wear due to high cotton content
- the terry-cloth loops on the inside provide excellent cushioning effect and climate management, since this voluminous type may store abundant moisture
- very stretchable and yet dimensionally stable knitting technique

Material

- 85 % (CO) cotton, 15 % (PA) textured (crinkled) polyamide silk
- colour: white
- machine washable up to 60 °C



Length in cm	Type	Item-No.
20, 25, 30, 35, 40, 45, 50, 55, 60	with hole for pin	25A15/..
20, 25, 30, 35, 40, 45, 50, 55, 60	without hole for pin	25A16/..

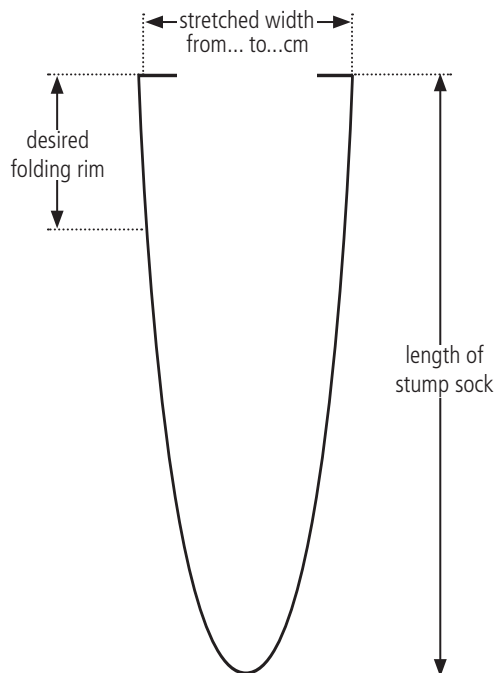
Ordering example: 25A15/20 = with hole for pin, length 20 cm



If a cuff is desired, its length must be added to the sock length. Size is determined by sock length only. For bigger circumferences of the residual limb, the sock length becomes shorter due to stretching.

The sock stretches from approx. 16 cm up to 27 cm.

Dimension sketch:



Socket Comfort - Stump Care



Cotton Stump Sock for AK-amputees

thin, smooth quality, conical shape, with elastane content

Designated use

- with vulcanised rubber opening for pin for ak-amputees
- to be worn over any liner and effective to even out differing volume

Characteristics

- extremely stretchable and dimensional stability by elastane content, i.e. the material always retightens to its original shape
- very comfortable wear and skin tolerance due to high cotton content
- flat, single-layer cuff
- conical shape, with flat lateral cover seam

Material

- 95 % (CO) cotton, 5 % (EL) elastane
- colour: off-white
- machine washable up to 60 °C



Length in cm	Type	Item-No.
25, 30, 35, 40, 45, 50, 55	with hole for pin	25A25/..

Ordering example: 25A25/25 = length 25 cm

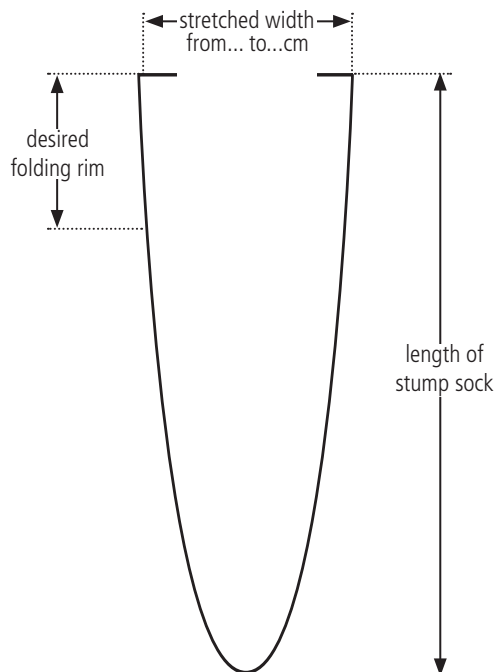


If a cuff is desired, its length must be added to the sock length. Size is determined by sock length only. For bigger circumferences of the residual limb, the sock length becomes shorter due to stretching.

The sock stretches from approx. 14 cm up to 28 cm.



Dimension sketch:



Socket Comfort - Stump Care



Nylon Stump Sock for AK-amputees

very fine-knit, thin quality, conical shape



Designated use

- with vulcanised rubber opening for pin for ak-amputees
- to be worn over the liner to effectively protect the liner

Characteristics

- the whipped seam of the cuff marks the inside; the smooth side of the knitted fabric must face outwards
- conical shape, therefore with lateral flat cover seam


Material

- 100 % PA (nylon), knitted fabric, similar to opaque tights
- colour: white
- machine washable up to 60 °C

Length	Type	Item-No.
25, 30, 35, 40, 45, 50, 55	with hole for pin	25A35/..

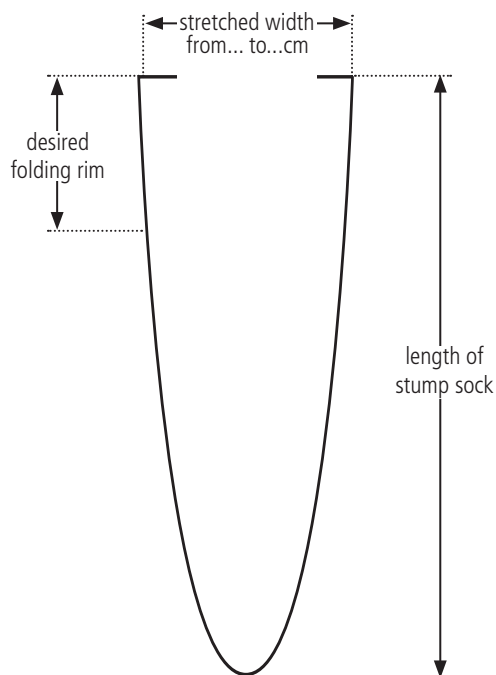
Ordering example: 25A35/25 = length 25 cm



 If a cuff is desired, its length must be added to the sock length. Size is determined by sock length only. For bigger circumferences of the residual limb, the sock length becomes shorter due to stretching.

The sock stretches from approx. 18 cm up to 30 cm.

Dimension sketch:



Socket Comfort - Stump Care



Wool Stump Sock for AK- and BK-amputees

strong quality, 3 threads. conical shape



Designated use

- effective to even out differing volume
- strong fabric (pink seam)
- this type without opening for pin may be worn directly on the skin
- between skin and stump sock a sheath, e.g. item-no. 25A50 must be worn

Characteristics

- very comfortable wear and warming effect due to wool content
- during wearing, the stocking shape adapts to the individual shape of the residual limb
- provides excellent cushioning effect and climate management, since wool may absorb abundant moisture, without feeling damp

Material

- 70% (WO) wool, 30% (CV) rayon
- colour: off-white
- machine washable up to 30 °C

Wool stump sock with hole for pin available on request.



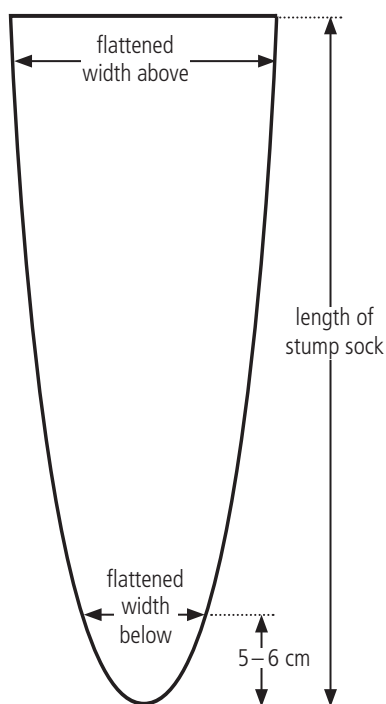
Length in cm	Form in cm	Item-No.
30, 35, 40, 45, 50, 55, 60, 65, 70, 75	20 x 10 unstretched, 25 x 13 stretched	20A74/..

Ordering example: 20A74/30 = length 30 cm



If a cuff is desired, its length must be added to the length of the sock.

Dimension sketch:



Socket Comfort - Stump Care



Wool Stump Sock for AK- and BK-amputees

medium strong quality, 2 threads, conical form



Designated use

- effective to even out differing volume
- medium strong fabric (white seam)
- this type without opening for pin may be worn directly in the skin
- between skin and stump sock a sheath, e.g. item-no. 25A50 must be worn

Characteristics

- very comfortable wear and warming effect due to wool content
- during wearing, the stocking shape adapts to the individual shape of the residual limb
- provide excellent cushioning effect and climate management, since wool may absorb abundant moisture, without feeling damp

Material

- 70 % (WO) wool, 30 % (CV) rayon
- off-white
- machine washable up to 30 °C

Wool stumpsock with hole for pin available upon request.



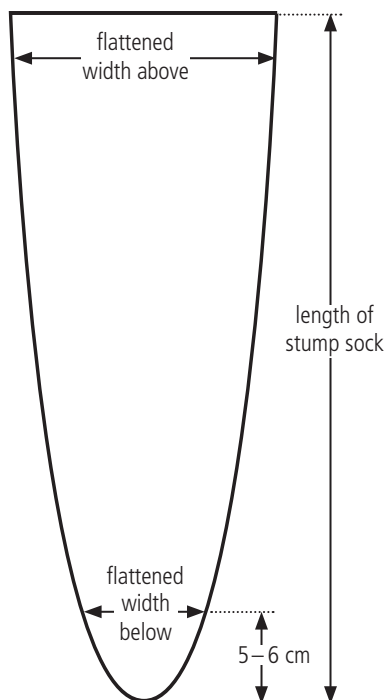
Length in cm	Form in cm	Item-No.
25, 30, 35, 40, 45, 50	15 x 9 unstretched, 19 x 12 stretched	20A57/..
25, 30, 35, 40, 45, 50, 55, 60, 65, 70	20 x 10 unstretched, 25 x 13 stretched	20A58/..

Ordering example: 20A57/25 = length 25 cm, form 15 x 9 cm (unstretched) resp. 19 x 12 cm (stretched)



If a cuff is desired, its length must be added to the length of the sock.

Dimension sketch:



Locking Systems



Locking Systems

In order to create a safe connection between liner and prosthesis, Streifeneder offers locking systems, which are optimally tailored to the users' needs. The large choice of locking systems enables the technician to create a socket connection that is adapted to the patients' requirements.

Every Streifeneder lock system unlocks under tensile load, which enables the patient to easily unlock the prosthesis even under tension, e. g. in a sitting position. A lockable mechanism is offered as an accessory for our clutch locks, which makes it easier for geriatric patients in particular to take off the prosthesis.

The Locking Systems differ on the one hand by the type of locking and on the other hand by the design of the housing.

Various types of locking systems provide the technician with the necessary freedom to design an individual prosthetic alignment. Each Streifeneder locking system can be combined with any type of liner.



Streifeneder locking units stand out due to a high service life and a flexible scope of functions.

A well-thought housing design offers a maximum amount of flexibility with regard to the alignment possibilities of a prosthesis.

The locking systems are delivered with all necessary dummies and laminating aids.

Detailed and illustrated operating instructions simplify the alignment of the prosthesis.

For every use, Streifeneder offers a matching system.

Three Different Pin Systems



Series S1 – Clutch Lock

The Streifeneder lock series S1 is a continuous pin fastening system with worm thread. This prevents any movement and generates a user-friendly connection. The pin pulls downwards and the patient additionally also has the possibility to draw himself manually downwards and therefore does not have to carry out the connection under pressure.

The locking mechanism developed by Streifeneder always ensures a simple unlocking of the locking system – even under severe tensile stress by the prosthesis. The precision retaining bearing ensures a long lifetime even for highly active patients.



Series S2 – Shuttle Lock

The Streifeneder lock series S2 is locked under pressure with an indented pin. The shuttle pin generates an audible clicking noise when engaging and thereby gives the user the security to be safely connected to the prosthesis.

The simple design of the system ensures an easy and rapid maintenance. Due to the design of the pin, it is easy to put on the prosthesis without getting jammed.

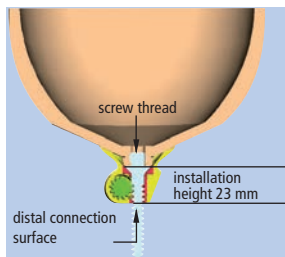


Series S3 – Easy Lock

The Streifeneder lock series S3 is a continuous pin fastening system with a smooth pin. The Easy-Pin is silently locked under pressure. This gives the user a safe locking for the entire length of the pin.

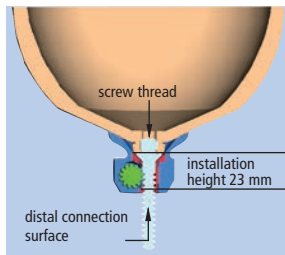
The high-quality material of the pin ensures a very long lifespan even under extreme stress. The fine structuring of the pin at the same time allows for a stepless and safe locking.

Assembly Height of the Locking Systems



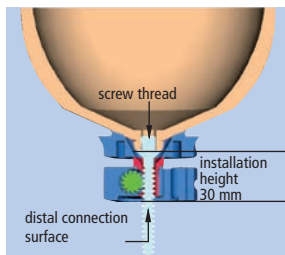
Series 100

The lock series 100 is made of synthetic material, which makes it light as a feather and very small. It is suitable for users of any weight category. The alignment can easily be corrected in connection with a socket adapter if it deviates from the plumb line.



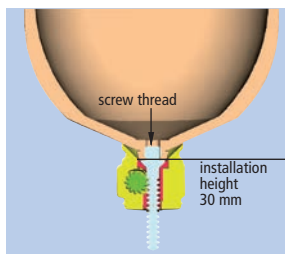
Series 150

The lock series 150 is characterized by its small construction and its high-strength aluminum housing. The alignment can easily be corrected in connection with a socket adapter if it deviates from the plumb line.



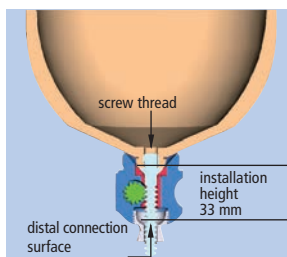
Series 200

The lock series 200 is made of aluminum and stands out due to its light and flat design. Distally, various socket adapters can be used.



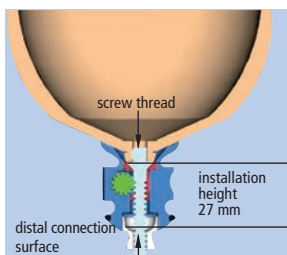
Series 300

The lock series 300 is made of weight-optimized synthetic material. It is suitable for both laminated and thermoplastic sockets and can entirely be replaced by means of working with deep-drawing dummy. Various mold inserted discs and socket adapters can be installed at the distal end.



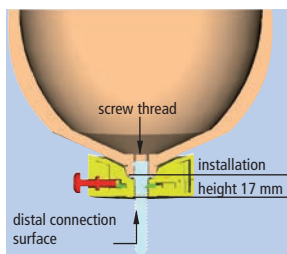
Series 400

The lock series 400 is made of aluminum and is fixed by means of a three-prong socket adaptor. Special advantages of this lock series is the pyramid adapter, which is already integrated into the lock and the rotational adjustment possibility.



Series 500

The lock series 500 is made of aluminum and has a distal pyramid adapter. It is especially suited for a rapid and easy manufacture of laminated or thermo-plastic prosthetic sockets for stumps without distinct contractures and plumb line deviations.



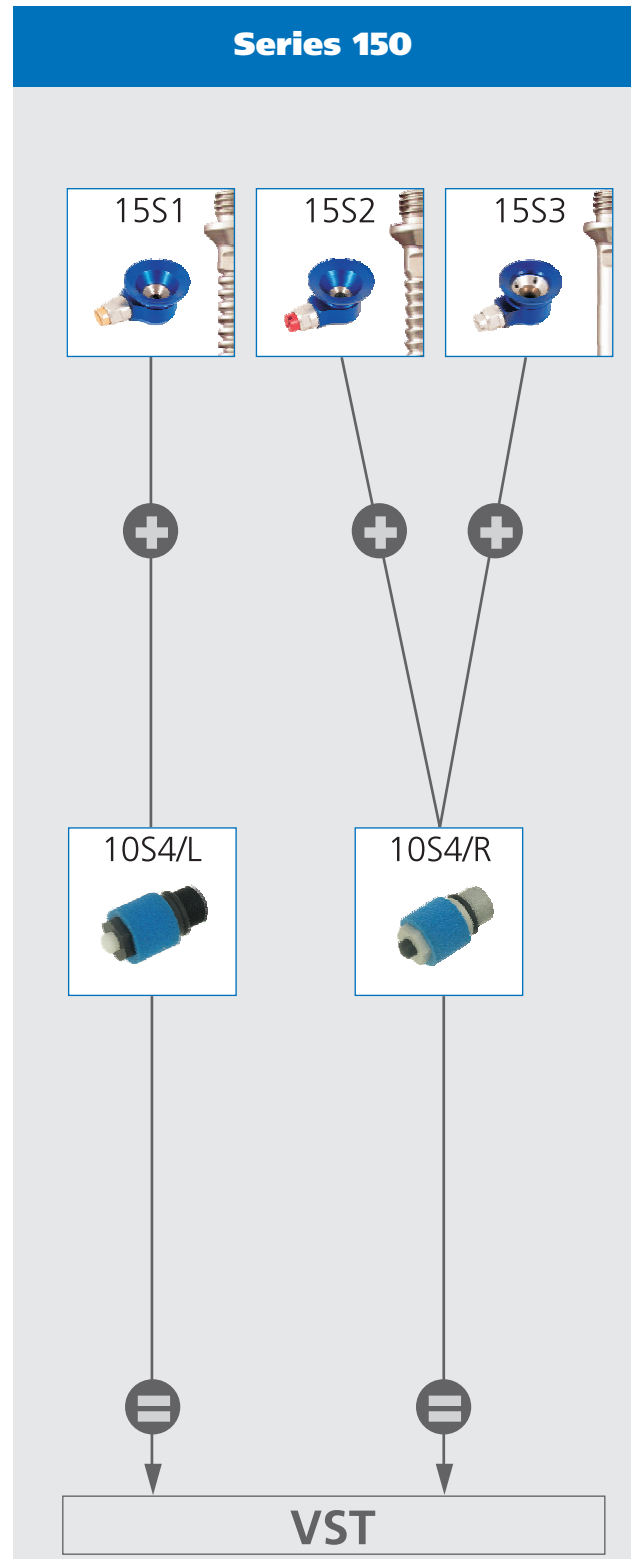
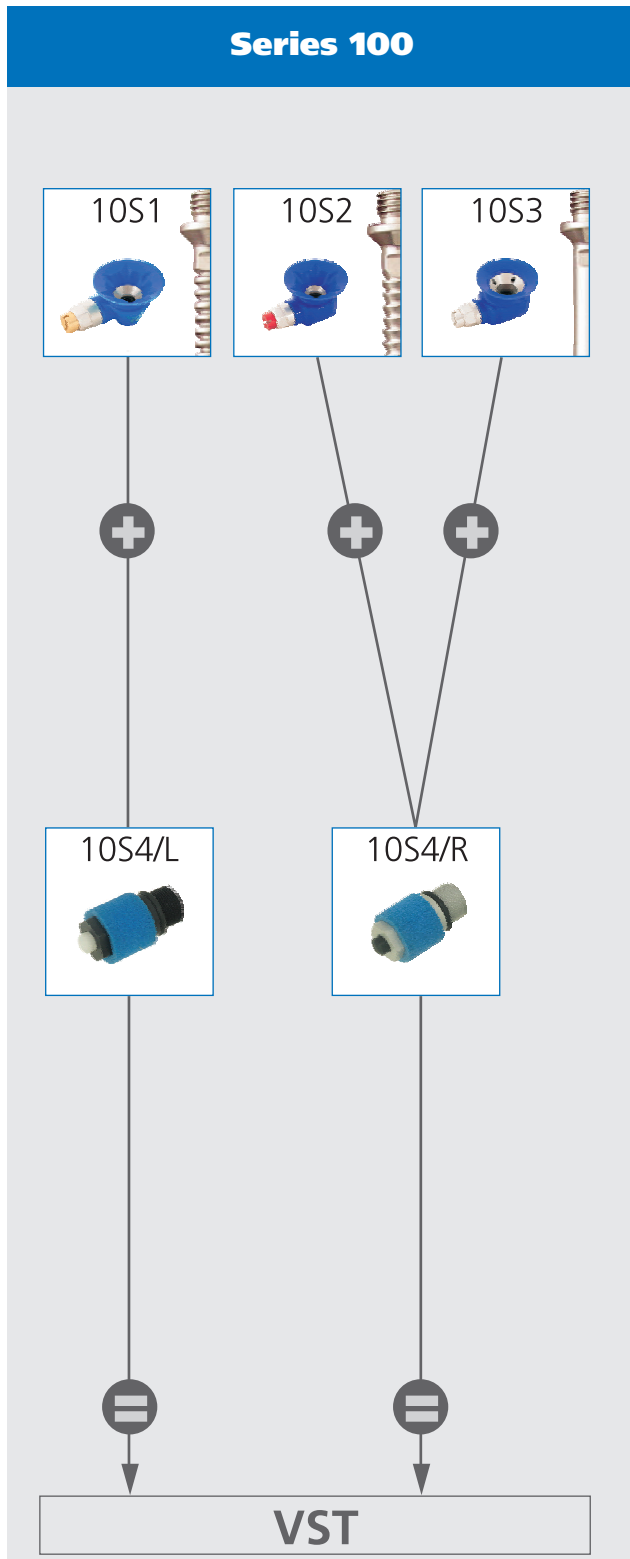
Series 600

The lock series 600 is made of synthetic material. It is lightweight and equipped with an integrated four-hole connector and has a low assembly height. It is particularly recommended for trans-femoral supplies and long stumps of the lower leg.

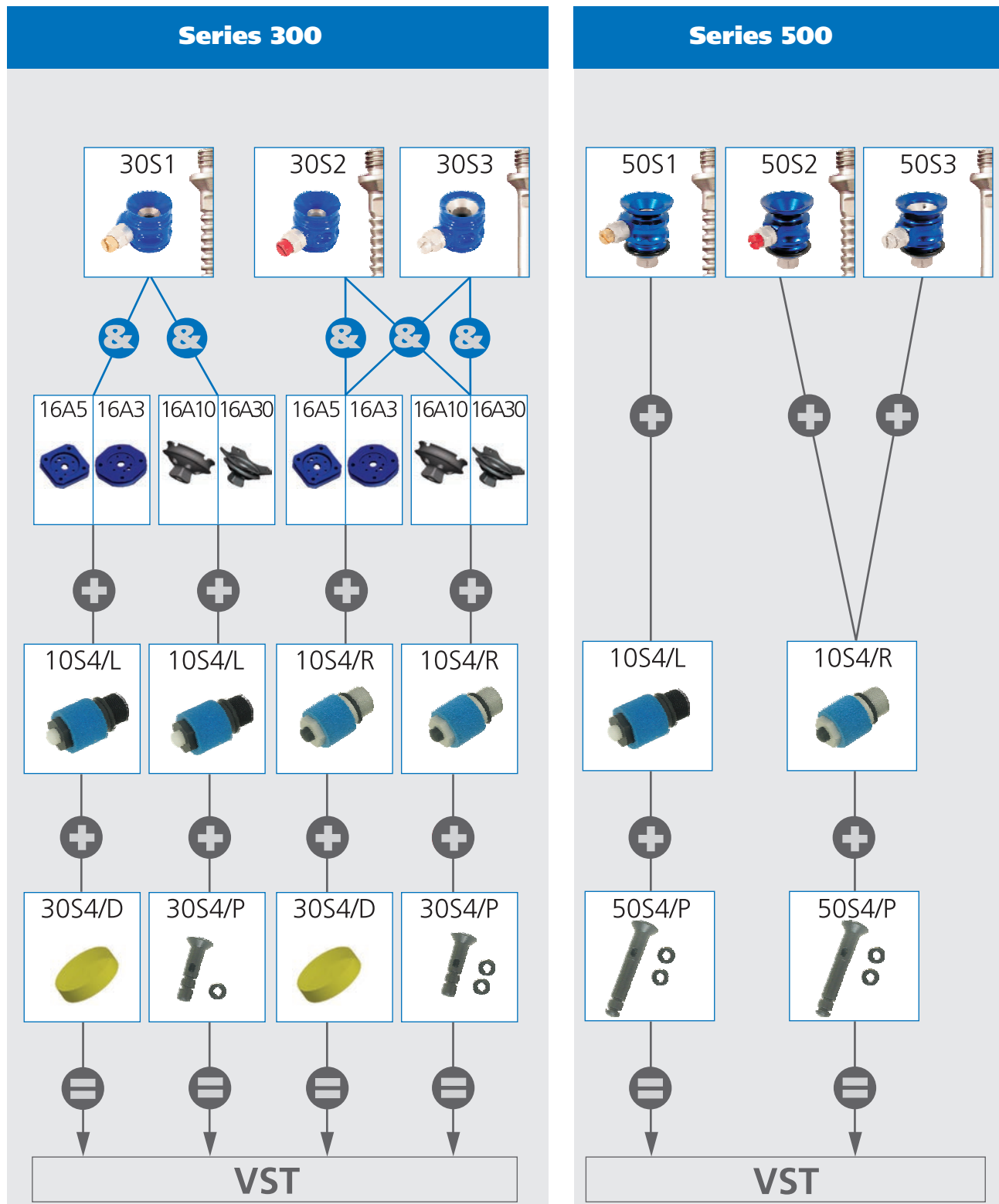
VST Modular System

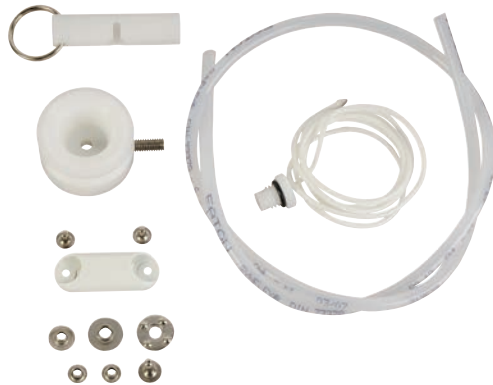
What does the patient expect from a prosthesis? This is clearly defined in modern orthopaedics.

The artificial limb must be functional and safe and must offer maximum quality. However, the economic aspects will play an even more important role in the future. Therefore, it is our task to implement the increased requirements in an appropriate manner. The result is a special vacuum system – the possibility to switch between the pin system and the vacuum system.



All components are exclusively made of high-quality and corrosion-resistant materials. To switch from the pin system to the vacuum system you need a maximum of five components (depending on the series). Thus, up to 12 different Locking Systems (with pin) can be converted. Depending on the condition of the stump, you can always switch between the systems especially during the interim phase. Long-term tests have shown that the vacuum technology has a positive impact on the gait pattern of the patient because rotation and pistoning – as a rule – will not occur or only to a small extent.





Cord Locking System -Modular-

- installation height: 26 mm
- very light construction
- suitable for thermoplastic sockets
- easy to put on
- very suitable for geriatric and insecure patients
- with plastic cover for external socket fixation
- with latching clamp
- weight: 24 g

Install. height of disc	Item-No.
26 mm	8S1



Protective Covering

- for lanyard lock 8S1

Item-No.
8S1/E4



Cord Locking System -Lamination-

- installation height: 25 mm
- very light construction
- easy to put on
- very suitable for geriatric and insecure patients
- with lamination dummy made of silicone for direct lamination of the cord channel into the socket
- with latching clamp
- weight: 30 g

Install. height of disc	Item-No.
18 mm	9S1



Lamination Disc for Cord Locking System

- lamination disc, 18 mm for cord locking system 9S1

Install. height	Item-No.
18 mm	9S1/E1



Lanyard with Liner Connection Screw

- for lanyard lock 8S1 and 9S1
- easy pulling into the socket

Item-No.

8S1/E2



Latching Clamp

- for lanyard lock 8S1 and 9S1

Item-No.

8S1/E3



Lanyard

- for lanyard lock 8S1 and 9S1

PU = 5 m

Item-No.

8S1/E200



Winding Button Set

- for lanyard lock 8S1 and 9S1
- complete winding button
- one-handed fixation of laces

PU = 1 set

Item-No.

8S1/E5



Lock Series 100

- no body weight restriction because the lock is not a weight bearing component
- activity level (walky): 1 to 4 for 10S1 and 10S2
- activity level (walky): 1 to 3 for 10S3
- effective height: approx. 23 mm
- suitable for laminated sockets
- plastic housing is temperature resistant up to 200 °C

The locks of the series 100 distinguish themselves by a very small construction and a shock-resistant plastic housing. Inserted into an AK or BK socket with common lamination techniques, they serve as liner locks. In connection with a socket attachment block 12A7 you can easily correct the deviation of the socket gradient and the plumb line.

- very small construction
- very light
- rotation secured pin guide made of stainless steel
- locking unit is completely exchangeable
- with lamination dummy 10S1/E6L (for 10S1), 10S1/E6 (for 10S2 and 10S3)
- including sealing grease 22A100
- please order press button extensions for geriatric patients or big sockets separately
- the individual casing varieties can also be ordered separately with the following item numbers: 10S1/E1 for 10S1, 10S2/E1 for 10S2, 10S3/E1 for 10S3

All necessary lamination adapters for the locking unit are included in the delivery!

Lock type	With pin	Weight	Item-No.
Clutch-Lock 101	geared	58 g	10S1
Shuttle-Lock 102	rastered	56 g	10S2
Easy-Lock 103	plain	60 g	10S3





Lamination Dummy for Series 100

- replacement part
- helps during adjustments on the plaster positive

Application	Item-No.
Shuttle- and Easy-Lock	10S1/E6
Clutch-Lock (left-handed thread)	10S1/E6L



Lock Series 150

- no body weight restriction because the lock is not a weight bearing component
- activity level (walky): 1 to 4 at 15S1 and 15S2
- activity level (walky): 1 to 3 at 15S3
- effective height: approx. 23 mm
- suitable for thermoplastic and laminated sockets
- aluminum housing

The locks of the series 150 distinguishes itself by a very small construction and a high-strength aluminum housing. The aluminum housing can be taken out of the thermoplastic socket and can be utilised for the laminated socket. Processing follows according to common thermoplastic resp. lamination techniques. In connection with a socket attachment block 12A3, 12A5 or 12A7 you can easily correct the deviation of the socket gradient and the plumb line.

- very small construction
- rotation secured pin guide made of stainless steel
- locking unit is completely exchangeable
- with lamination dummy 10S1/E6
- including sealing grease 22A100
- please order press button extensions for geriatric patients or big sockets separately



Lock	With pin	Weight	Item-No.
Clutch-Lock 151	geared	95 g	15S1
Shuttle-Lock 152	rastered	90 g	15S2
Easy-Lock 153	plain	85 g	15S3



Vacuum-Clutch-Lock

- there is no load restriction because the lock is not a weight-bearing component
- effective height approx. 23 mm
- extremely good adhesion of the residual limb in the prosthesis
- precisely adjustable vacuum by simple use of the press button
- valve unit 10S4/L completely exchangeable
- with lamination dummy 10S1/E6L
- quickly convertible into pin system

Material	Weight	Item-No.
Aluminum	70 g	15S4



Lamination Dummy for Series 100

- replacement part
- helps during adjustments on the plaster positive

Application	Item-No.
Shuttle- and Easy-Lock	10S1/E6
Clutch-Lock (left-handed thread)	10S1/E6L



Lock Series 200

- max. patient weight: 125 kg
- activity level (walky): 1 to 4 at 20S1 and 20S2
- activity level (walky): 1 to 3 at 20S3
- effective height approx. 30 mm
- suitable for thermoplastic and laminated sockets
- aluminum housing

For the modular construction of prostheses, the flat locking systems of the series 200 offer a variety of combination possibilities.

- light, flat construction
- rotation secured lamination disc
- continuous guide bushing made of stainless steel
- distally with channel for planar connection of all socket adapters with 4-hole connection
- easy cleaning and replacing of complete locking unit is possible without dismantling the prosthesis
- including lamination disc with dummy 20S1/E5
- please order press button extensions for geriatric patients or big sockets separately

All necessary lamination adapters for the locking unit are included in the delivery!



Lock type	With pin	Weight	Item-No.
Clutch-Lock 201	geared	188 g	20S1
Shuttle-Lock 202	rastered	172 g	20S2
Easy-Lock 203	plain	178 g	20S3



Lamination Disc for Series 200

- replacement part for 20S1, 20S2 and 20S3
- with lamination dummy 20S1/E51
- and 4 hexagonal socket head bolts 22A2/M6x8

Diameter	Item-No.
64 mm	20S1/E5



Dummy for Lamination Disc Series 200

- replacement part for 20S1/E5
- consists of taper and bolt

Item-No.
20S1/E51



Countersink Bolt

- replacement part
- M6 x 40 mm
- for direct load transmission from lamination disc to different adapters

Length	Item-No.
40 mm	22A5/M6x40



Deep-Drawing Adapter Ring

- accessory
- necessary for the production of thermoplastic sockets
- proximal connection to the lamination disc 20S1/E5 of this ring improves the pin guidance in the socket

Material	Item-No.
Plastic	20S1/E53



Lock Series 300

- max. patient weight: 100 kg
- activity level (walky): 1 to 4 at 30S1 and 30S2
- activity level (walky): 1 to 3 at 30S3
- effective height: approx. 30 mm
- 33 mm with hopper
- suitable for thermoplastic and laminated sockets
- plastic housing is temperature resistant up to 200 °C

The new weight-optimised Lock Series 300 made of wear-resistant plastic is very suitable for direct lamination or for complete exchange, if you utilise a lamination dummy 30S1/D56 - 30S1/D76. You can attach different lamination discs and socket adapters with 6 screws in the distal end of the socket.

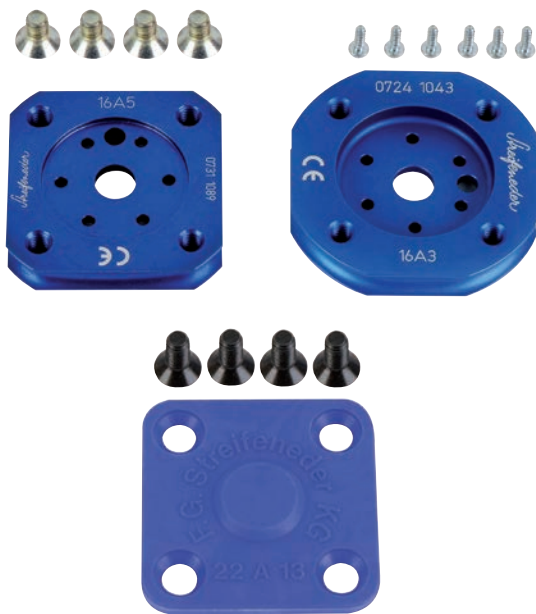
- including of hopper Ø 66 mm
- including of sealing grease 22A100
- very light construction made of plastic
- multifunctionally applicable
- continuous guide bushing, rotation secured, made of stainless steel
- completely exchangeable locking unit
- for direct lamination in connection with: lamination disc, round -aluminum- 16A3 / lamination disc, angular -aluminum- 16A5 / socket adapter with adjustment core and lamination anchor -titanium- 16A10 or 16A30 (please order separately)
- suitable for lamination dummy 30S1/D56, D66 and D76
- easy cleaning and replacing of complete locking unit is possible without dismantling the prostheses
- with lamination dummy 30S1/E6
- please order press button extensions geriatric patients or big sockets separately
- the individual casing varieties can also be ordered separately with the following article numbers: 30S1/E1 for 30S1, 30S2/E1 for 30S2, 30S3/E1 for 30S3

All necessary lamination adapters for the locking unit are included in the delivery!

Lock type	With pin	Weight	Item-No.
Clutch-Lock 301	geared	77 g	30S1
Shuttle-Lock 302	rastered	82 g	30S2
Easy-Lock 303	plain	80 g	30S3



Locking Systems



Lamination Disc, round or square

- accessory
- with lamination dummy 22A13 for sealing
- rotation secured
- made of aluminum
- for direct lamination please use countersink screws 22A6/M6x14
- with 4 countersink screws 22A5/M6x14 for attaching of socket adapters
- and 6 mounting screws 22A4/29x95 for attachment to the lock series 300

Shape	Weight	Eff. height	max. ↑ kg	Item-No.
Ø 64 mm	45 g	9 mm	150 kg	16A3
[] 52 mm	32 g	9 mm	150 kg	16A5

Lamination Dummy



- replacement part
- for lamination disc 16A3 and 16A5
- for optimal sealing of the holes and threads without plasticine
- simple and safe handling

	Item-No.
	22A13

Mini Lamination Disc



- accessory
- with adjustment core
- rotation secured, for direct lamination
- made of titanium
- with 6 mounting screws 22A4/29x95 for attachment to the lock series 300

Shape	Weight	Eff. height	max. ↑ kg	Item-No.
Ø 47 mm	48 g	10 mm	75 kg	16A10

Lamination Anchor



- accessory
- with adjustment core
- made of titanium
- with 6 mounting screws 22A4/29x95 for attachment to the lock series 300

Shape	Weight	Eff. height	max. ⚙ kg	Item-No.
4-prong	52 g	10 mm	100 kg	16A30

Hopper



- accessory
- suitable for all locks of the lock series 300
- for attaching and clamping

For lock	Diameter	Item-No.
30S2, 30S3	56 mm	30S1/E56
30S1, 30S2, 30S3	66 mm	30S1/E66
30S1, 30S2, 30S3	76 mm	30S1/E76

Lamination Dummy



- accessory
- for all locks of the lock series 300 with hopper
- available in plastic or aluminum
- with retainer
- for transfer of the lock unit into the socket we recommend our lock unit milling cutter 150P1 with Ø 22 mm

For lock	Ø / material	Item-No.
30S2, 30S3	56 mm / POM	30S1/D56
30S2, 30S3	56 mm / Aluminum	30S1/AD56
30S1, 30S2, 30S3	66 mm / POM	30S1/D66
30S1, 30S2, 30S3	66 mm / Aluminum	30S1/AD66
30S1, 30S2, 30S3	76 mm / POM	30S1/D76
30S1, 30S2, 30S3	76 mm / Aluminum	30S1/AD76



Lamination Dummy for Lock Series 300

- accessory
- helps during adjustments on the plaster positive
- seals up the lock unit

Application	Item-No.
Clutch-Lock (left-handed thread)	30S1/E6L
Shuttle- and Easy-Lock	30S1/E6



Lock Series 400

- max. patient weight: 125 kg
- activity level (walky): 1 to 4 at 40S1 and 40S2
- activity level (walky): 1 to 3 at 40S3
- effective height approx. 33 mm
- suitable for thermoplastic and laminated sockets
- aluminum housing

With the big lamination anchor, the Series 400 is specially applicable for BK and AK sockets with very big distal circumferences. The housing, made of a high quality aluminum alloy, is distally fitted with an adjustment core for a compact construction.

- with lamination anchor 10A21/S (110 g) for direct lamination into the socket
- with distal adjustment core
- easy cleaning and exchange of complete lock unit
- with lamination dummy 22A9
- including of sealing grease 22A100
- please order press button extensions for geriatric patients or big sockets separately

All necessary lamination adapters for the locking unit are included in the delivery.



Lock type	With pin	Weight	Item-No.
Clutch-Lock 401	geared	158 g	40S1
Shuttle-Lock 402	rastered	147 g	40S2
Easy-Lock 403	plain	136 g	40S3



Socket Adapter

- for Lock Series 400
- with M36 inner thread
- for combination with rotatable adapters Titanium or Stainless Steel
- for direct lamination into trans-femoral sockets
- continuous rotation adjustment possible
- including socket cap screw 22A2/M5x20

Material	Weight	Eff. height	max.  kg	Item-No.
Stainl. Steel	92 g	8 mm	125 kg	10A21/S



Please order 22A9 separately!



Lamination Dummy for Lock Series 400

- accessory
- for positioning of the socket adapter onto the plaster positive

Item-No.
22A9



Lock Series 500

- max. patient weight: 125 kg
- activity level (walky): 1 to 4 for 50S1 and 50S2
- activity level (walky): 1 to 3 for 50S3
- effective height: approx. 37 mm
- suitable for thermoplastic and laminated sockets
- aluminum housing

The advantage of the Lock Series 500 is the time-saving manufacturing of thermoplastic sockets. Through the simple construction the housing will be completely enclosed by the socket material. The integrated cutting protection allows a fast and safe uncovering of the adjustment core.

- housing with pull-in channel
- continuous guide bushing made of stainless steel
- easy cleaning and exchange of complete lock unit without dismantling the prostheses
- including of lamination dummy 50S1/E5
- including of sealing grease 22A100
- please order press button extensions for geriatric patients or big sockets separately

All necessary lamination adapters for the locking unit are included in the delivery.



Lock type	With pin	Weight	Item-No.
Clutch-Lock 501	geared	170 g	50S1
Shuttle-Lock 502	rastered	162 g	50S2
Easy-Lock 503	plain	160 g	50S3

Lamination Dummy for Lock Series 500

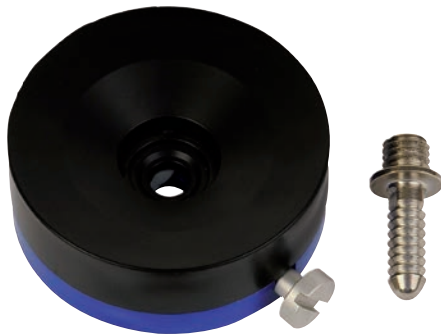
- accessory
- for deep-drawing or lamination



Application	Item-No.
Shuttle-Lock and Easy-Lock	50S1/E5
Clutch-Lock (left-handed thread)	50S1/E5L



Lock Series 600



- max. patient weight: 136 kg
- activity level (walky): 1 to 3
- effective height: approx. 17 mm
- suitable for thermoplastic and laminated sockets as well as for exoskeletal construction
- advantageous for CAD socket technique
- plastic housing is temperature resistant up to 200 °C

The lock series 600 distinguishes itself by an extremely low installation height with integrated 4-hole connection. Thus even long BK- and AK-stumps can be fitted. With the reusable lamination dummy you may manufacture thermoplastic as well as laminated sockets. For an exoskeletal construction a lamination disc allows an attachment of the lock in the inside of the socket. With the CAD socket technique it is possible to mould the place holder for the lock on the stump positive already on the computer. This saves costs and time for an optimal pin progression.

- very flat construction
- integrated 4-hole connection
- highly resistant plastic housing
- simple installation and dismantling
- with lamination disc 16A40 suitable for exoskeletal construction
- mountable without spacer through socket adapter 10A90/T
- ideal for CAD socket technique
- simple and time-saving manufacturing of thermoplastic sockets with one lamination dummy
- demountable housing for cleaning purposes

Lock type	With pin	Weight	Item-No.
Shuttle-Lock	rastered	78 g	60S2

Lamination Dummy



- accessory
- for all locks of the Lock Series 600
- suitable for thermoplastic and laminated sockets
- reusable

Material	Diameter	Item-No.
Aluminum	65 mm	60S2/D

Lamination Disc



- accessory
- for all 600 series locks

Material	Weight	max. ⚖ kg	Item-No.
Plastic	45 g	136 kg	16A40

Service Parts Kit for Shuttle Lock 60S2



- incl. press button extension
- POM disc for extended pin guidance

	Item-No.
	60S2/E

Spare Pin for Shuttle Lock 60S2



Length	Item-No.
270 mm	60S2/E270
650 mm	60S2/E650

Vacuum Lock 30S4



- offers a high level of safety and comfort
- special muffler reduces noise
- suitable for deep drawing and wet lamination
- heat resistant plastic up to 200 °C
- no pistoning in the socket
- exactly adjustable regulation of the valve
- incl. lamination dummy 30S4/E6 (separately available) and o-ring set 30S4/E9 (separately available as spare part set)

Weight	max.  kg	Item-No.
75 g	150 kg	30S4



Dummy for Vacuum-Lock 30S4

This dummy is especially made for the production of check sockets with Vacuum-Lock-System. It allows for the application of all liner sizes and kinds of liners. The dummy is reusable.

- sealing ring included
- with fastener
- and spare sealing ring

Material	Diameter	Item-No.
Aluminum	50 mm	30S4/AD50



Vacuum-Valve

- for lock series 100, 150, 300 and 500
- low maintenance valve due to filter screen
- vacuum can be regulated precisely
- compatible to nearly all streifeneder pin lock-systems
- quick and easy installation and retrofitting without any special tools
- special muffler for noise reduction

Thread	Item-No.
left-handed	10S4/L
right-handed	10S4/R



Sealing Disc

- for sealing kit, to seal the lock series 300

Material	Weight	Item-No.
Silicone	10 g	30S4/D



Sealing Plunger

- for sealing kit, to seal the lock series 500
- o-ring set 30S4/E8 available as spare part set (PU = 10 pcs.)

Material	Weight	Item-No.
POM black	30 g	50S4/P



Sealing Plunger

- for sealing kit, to seal the lock series 300 in combination with 16A10 and 16A30
- o-ring set 30S4/E8 available as spare part set (PU = 10 pcs.)

Material	Weight	Item-No.
POM black	24 g	30S4/P



Silencer

- for vacuum valve 10S4/L and 10S4/R

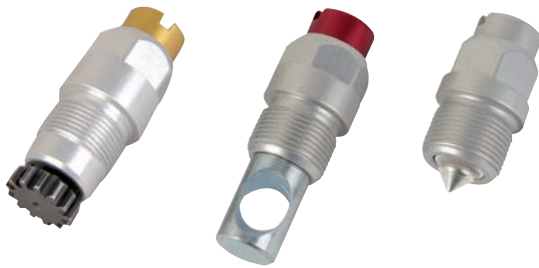
PU	Item-No.
1 pc.	10S4/E6



O-Ring

- for vacuum valve 10S4/L and 10S4/R
- separately available or as set

PU	Item-No.
1 pc.	10S4/E7
5 pcs.	30S4/E7



Replacement Lock Unit

- for locking systems
- complete
- for simple exchange

Application	For pin	Item-No.
Clutch-Lock	geared	10S1/E2
Shuttle-Lock	rastered	10S2/E2
Easy-Lock	plain	10S3/E2



Replacement Push Button

- accessory
- gold anodized
- suitable for all clutch-lock locking systems

Application	Material	Item-No.
Clutch-Lock	Aluminum	10S1/E21



Clutch Lock Block Unit, lockable

- through pressing and smooth distortion of the press button the lock unit is permanently blocked
- thus the patient can use both hands for taking off the prostheses
- the re-engineered lock mechanism allows an easy deblocking of the pin under load
- suitable for all clutch lock housings
- replace present lock unit with the blockable one

Application	For pin	Item-No.
Clutch-Lock	geared	10S1/E2V



Integrated Patient Key

- for clutch lock
- directly drawing in through the ring is possible

Item-No.
10S1/40



Push Button Extension

- suitable for all lock types
- for geriatric patients or big socket diameters
- big button with finger dent
- easy reduction, finger dent remains in place

Material	Length	Diameter	Item-No.
Plastic	45 mm	21 mm	10S1/45



Picture similar

Push Button Extension

- suitable for all lock types
- for geriatric patients or big socket diameters
- pre-grooved button extension eases cutting
- turn button helps to pull the PIN-Liner into the socket

Material	Length	Diameter	Item-No.
Aluminium	70 mm	16 mm	10S1/70



Push Button Extension extra long

- fits all locking units
- extra long extension

Material	Length	Diameter	Item-No.
Aluminum	85 mm	16 mm	10S1/85



Push Button Extension with slot

- suitable for all lock types
- pre-grooved button extension eases cutting

Material	Length	Diameter	Item-No.
Aluminum	50 mm	13 mm	10S1/50

Locking Systems



Patient Key

- accessory
- for readjustment of a clutch-lock-locking unit
- for installation of the liner pin
- suitable for all lamination dummies of the lock

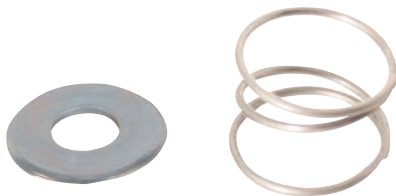
Material	Item-No.
stainless steel	10S1/E4



Socket Head Spanner

- accessory
- for exchange of the lock mechanisms of the lock systems
- with span 16 mm
- with handle

Length	Span	Item-No.
200 mm	16 mm	173P15/16



Replacement Lock Washer

- for all easy-lock systems
- including spring
- replacement

Item-No.
10S3/E



Service-Set for Easy Locks 10S3, 15S3, 30S3, 50S3

- for easy-locks
- components: guide bushing, closing lit

Item-No.
10S3/E30



Mounting Key

- accessory
- for the exchange of the easy-lock lock washer

Item-No.
10S300



Easy-Lock Pin -with Drill Hole-

- usable especially for lock system 10S3 and 15S3
- for direct screw into the distal connection of the liner
- drawstring as a pulling in aid for more voluminous residual limbs
- cord (8S1/E200) not included in scope of delivery

Length	Item-No.
50 mm	10S3/E450



Replacement Pin

- accessory
- for lock systems
- for direct screwing into the liners' distal connection
- comes in various lengths

Length	For	Pin type	Item-No.
35 mm	Clutch-Lock	geared pin	10S1/E335
50 mm	Clutch-Lock	geared pin	10S1/E350
65 mm	Clutch-Lock	geared pin	10S1/E365
85 mm	Clutch-Lock	geared pin long	10S1/E385
35 mm	Shuttle-Lock	rastered pin	10S2/E335
50 mm	Shuttle-Lock	rastered pin	10S2/E350
65 mm	Shuttle-Lock	rastered pin	10S2/E365
35 mm	Easy-Lock	plain pin	10S3/E335
50 mm	Easy-Lock	plain pin	10S3/E350
65 mm	Easy-Lock	plain pin	10S3/E365



Pin Cover

Item-No.
22A11



Lock Unit Milling Cutter

- accessory
- for milling of the push button if you utilise a lamination dummy of the series 300

Diameter	Item-No.
22 mm	150P1



High Performance Maintenance Spray

- accessory
- recommendable for all lock systems
- full-synthetic lubricant, no bonding or resinating of surfaces
- abrasion reducing
- cleaning
- protective against corrosion
- suppresses dampness

Volume	Item-No.
500 ml	117P22



Sealing Grease (Stickwax)

- for tight sealing during the lamination process of locking systems
- highly temperature resistant

PU = 1 tin

Tin	Item-No.
5 ml	22A100

Accessories – Small Parts, Fixtures, Valves



Accessories – Small Parts, Fixtures, Valves

There are different types of cosmetic foams in order to offer a cosmetic substitute as natural as possible after amputations. These foams have already been preformed by us according to circumference and height of the knee. This allows manufacturing an optically discrete cosmeses for the amputee. These foams are available and suitable for all of our Knee Joints. They are equipped with drill holes of 30 and 34 mm. We offer different slip-over knee-highs to finish a well-adapted cosmesis and to achieve a look as natural as possible.

In case of Prosthetic Feet which require foot adapters, it is very important that the screw shows a particularly high strength. Furthermore, the correct torque has to be observed and the screw connection has to be secured with Loctite if necessary. We offer several types of screws, which match thread and insert well.

The torque wrench is an important tool to reach the required torques, which are an elemental part of quality assurance during the final assembly of a prostheses. Please remember to verify its exactness by regular calibrations, which should be carried out in fixed intervals if possible. We would be pleased to carry out this service for you.



A prosthetic construction also includes valves, which ensure a safe and optimum connection between socket and stump. We offer you various designs within the range of flat and screw valves. Screw valves are integrated into special plastic sockets, which are made of different materials depending on the requirement. Screw valves can be used in a transparent PET-sockets as well as in flexible inner sockets for above-knee prosthesis. They allow the patient to handle the valves in a simple and safe way by means of a valve body that can be screwed in via a flappable handle.





Tube Carrier for Clamping Table

- safe clamping of prostheses components with tube clamping into the clamping table
- hard-wearing tool made of nickel plated steel
- suitable for all clamping tables

Tube ø	Weight	Item-No.
30 mm	930 g	76M11/30
34 mm	870 g	76M11/34



Replacement Tube for Tube Holder 76M11

- replacement tube for tube holder 76M11, stainless steel

Material	Diameter	Item-No.
Stainless Steel	30 mm	76M11/30E2
Stainless Steel	34 mm	76M11/34E2



Adjustment Core Clamping Jaws

- safe clamping of prostheses components with pyramid adapter into the clamping table
- magnets facilitate the use of the clamping jaws
- hard-wearing tool made of nickel plated steel
- suitable for all clamping tables

Weight	Item-No.
820 g	76M10



In case of socket adapters that have been laminated in (e.g. 10A1/S) the rotational adjustment with the pyramid adapter may be sluggish. This can be remedied by using the pyramid adapter clamping jaws. Fixate the pyramid adapter in the clamping table using the clamping jaws and turn the socket.



Magnetic Felt Jaws

- with magnetic adhesive strip

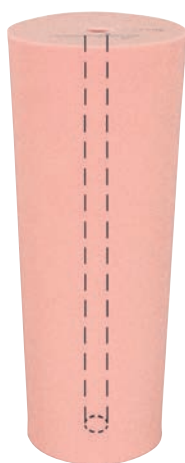
PU = 1 pair

Width	Item-No.
125 mm	165P23



Derma-Flex Cosmetic Skin

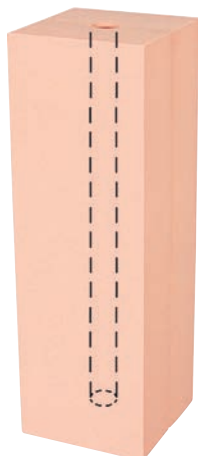
Foot size	Item-No.
22 - 27 cm	3P42/S
25 - 33 cm	3P42/L



Cosmetic Soft Foam Cover

- made of PUR soft foam
- for modular trans-tibial and knee-disarticulation prostheses
- not pre-shaped
- colour: peach
- with Ø 30 mm bore
- for left- and right-side application
- please order the adequate nylon stockings 20A19 separately

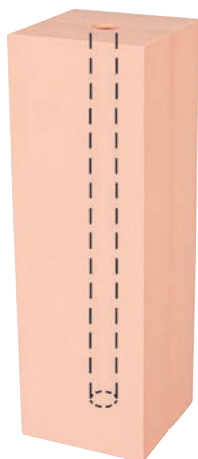
Length	Ø above	Ø below	Item-No.
50 cm	18,5 cm	16 cm	60A7



Cosmetic Soft Foam Cover

- made of PE foam
- for modular and trans-tibial prostheses
- not pre-shaped
- cuboid colour peach
- with Ø 30 mm bore
- for left- and right-side application
- mouldable at 100 - 130 °C

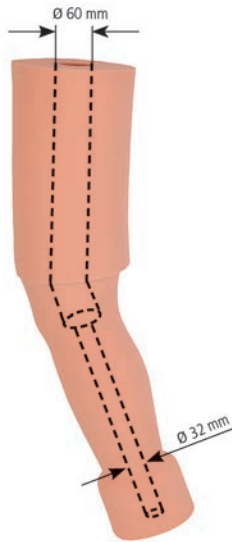
Length	Width	Depth	Item-No.
50 cm	16 cm	16 cm	60A8



Foam Cover

- PE-foam harder than 60A8
- for modular BK-protheses
- not pre-shaped
- cuboid colour peach
- with Ø 34 mm bore
- applicable for left and right side
- mouldable at 100 - 130 °C

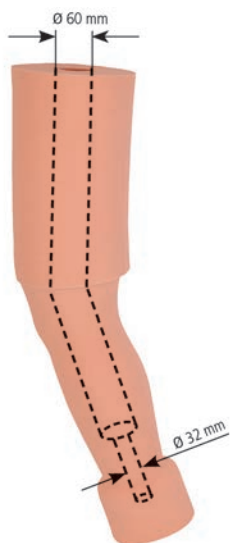
Length	Width	Depth	Item-No.
50 cm	16 cm	16 cm	60A9



Cosmetic Soft Foam Cover

- made of PUR soft foam
- for modular trans-femoral and hip-disarticulation prostheses
- very distinctive pre-shaped calf
- 30° knee flexion
- colour: peach
- with step bore (Ø 60 mm / Ø 32 mm)
- choose between different knee heights and calf circumferences
- the knee height signifies the distance, floor to knee center
- please order the adequate nylon cosmetic stockings 20A17 separately
- please order the adequate nylon connection 20A18 separately

Side	Knee height	Calf circ.	Item-No.
left	42 cm	36 cm	60A42/36L
right	42 cm	36 cm	60A42/36R
left	42 cm	40 cm	60A42/40L
right	42 cm	40 cm	60A42/40R
left	42 cm	44 cm	60A42/44L
right	42 cm	44 cm	60A42/44R
left	47 cm	36 cm	60A47/36L
right	47 cm	36 cm	60A47/36R
left	47 cm	40 cm	60A47/40L
right	47 cm	40 cm	60A47/40R
left	47 cm	44 cm	60A47/44L
right	47 cm	44 cm	60A47/44R
left	52 cm	36 cm	60A52/36L
right	52 cm	36 cm	60A52/36R
left	52 cm	40 cm	60A52/40L
right	52 cm	40 cm	60A52/40R
left	52 cm	44 cm	60A52/44L
right	52 cm	44 cm	60A52/44R

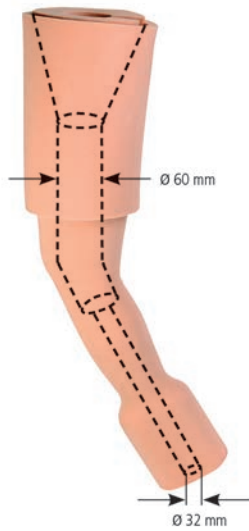


Cosmetic Soft Foam Cover

- same version like 60A47
- but with step-bore extra-long
- especially for knee joint 3A15 and 3A49

Side	Knee height	Calf circ.	Item-No.
left	47 cm	36 cm	61A47/36L
right	47 cm	36 cm	61A47/36R
left	47 cm	40 cm	61A47/40L
right	47 cm	40 cm	61A47/40R
left	47 cm	44 cm	61A47/44L
right	47 cm	44 cm	61A47/44R

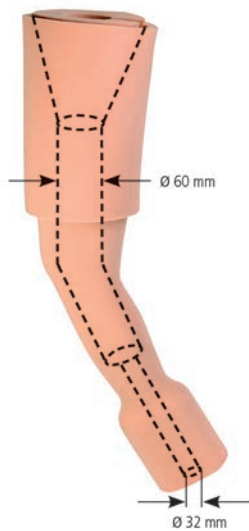
Cosmetic Soft Foam Cover



- for modular trans-femoral and hip-disarticulation prostheses
- 35° knee flexion
- colour: peach
- identical to item 60A42, but with conical pre-drilling
- cosmetic moulded ankle and knee area

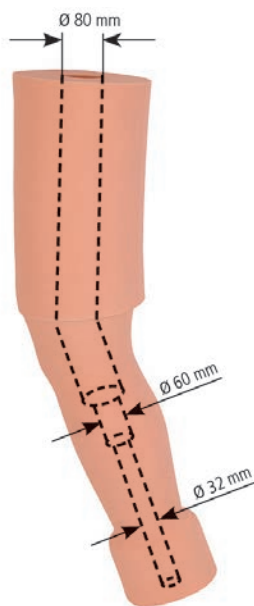
Side	Knee height	Calf circ.	Item-No.
left	47 cm	36 cm	60A147/36L
right	47 cm	36 cm	60A147/36R
left	47 cm	40 cm	60A147/40L
right	47 cm	40 cm	60A147/40R
left	47 cm	44 cm	60A147/44L
right	47 cm	44 cm	60A147/44R

Cosmetic Soft Foam Cover



- identical to item 60A147
- but with step-bore extra-long

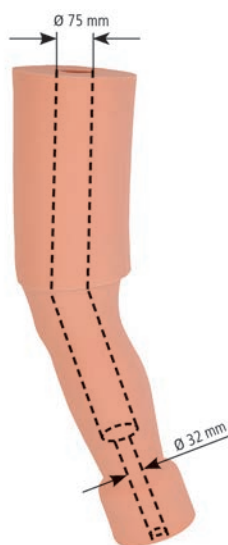
Side	Knee height	Calf circ.	Item-No.
left	47 cm	36 cm	61A147/36L
right	47 cm	36 cm	61A147/36R
left	47 cm	40 cm	61A147/40L
right	47 cm	40 cm	61A147/40R
left	47 cm	44 cm	61A147/44L
right	47 cm	44 cm	61A147/44R



Cosmetic Soft Foam Cover

- for modular trans-femoral prosthesis
- especially for knee joint KINEGEN.guard 3A850 and KINEGEN.basic 3A810
- 30° knee flexion
- with 3-step-bore (\varnothing 80 mm / \varnothing 60 mm / \varnothing 32 mm)

Side	Knee height	Calf circ.	Item-No.
left	47 cm	40 cm	63A47/40L
right	47 cm	40 cm	63A47/40R
left	47 cm	44 cm	63A47/44L
right	47 cm	44 cm	63A47/44L

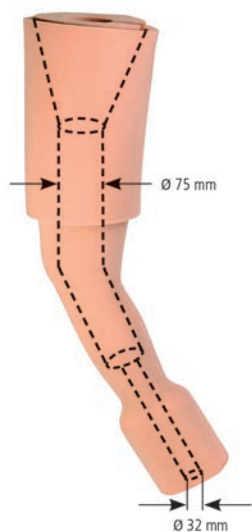


Cosmetic Soft Foam Cover

- for modular trans-femoral prosthesis
- especially for knee joint KINEGEN.stream 3A2000, 3A2100, 3A2200
- 30° knee flexion
- with step-bore extra-long (\varnothing 75 mm / \varnothing 32 mm)

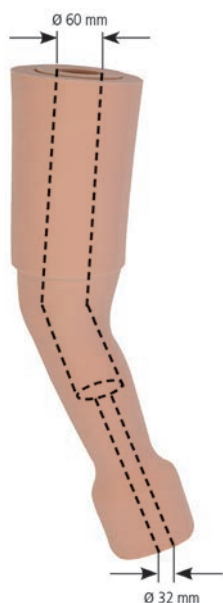
Side	Knee height	Calf circ.	Item-No.
left	52 cm	40 cm	62A52/40L
right	52 cm	40 cm	62A52/40R
left	52 cm	44 cm	62A52/44L
right	52 cm	44 cm	62A52/44R

Cosmetic Soft Foam Cover



- for femoral prosthesis
- especially for knee joint KINEGEN.stream 3A2000, 3A2100, 3A2200
- 30° knee flexion
- with conical pre-bore and with step-bore extra-long (Ø 75 mm / Ø 32 mm)

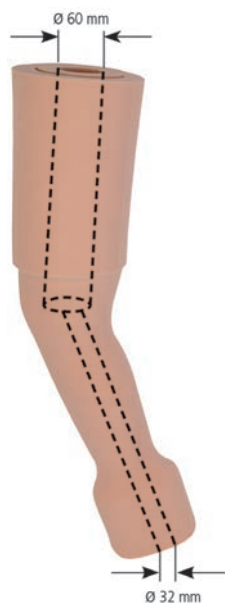
Side	Knee height	Calf circ.	Item-No.
left	52 cm	40 cm	62A152/40L
right	52 cm	40 cm	62A152/40R
left	52 cm	44 cm	62A152/44L
right	52 cm	44 cm	62A152/44R



AK Cosmetic Soft Foam Cover

- for large circumferences
- calf circumference 52 cm
- with 2-step-bore (Ø 60 mm / Ø 32 mm)
- for left- and right-side application

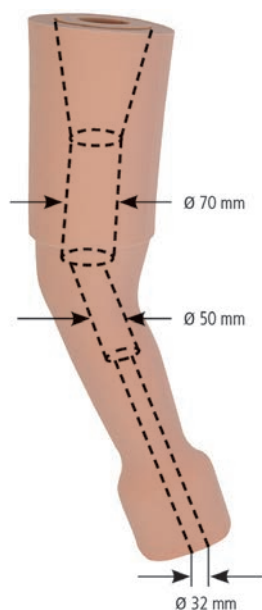
Side	Knee height	Calf circ.	Item-No.
both sides	52 cm	52 cm	65A10



Cosmetic Soft Foam Cover

- for modular trans-femoral prosthesis, universal application
- with 2-step-bore (Ø 60 mm / Ø 32 mm)

Side	Knee height	Calf circ.	Item-No.
left	52 cm	44 cm	65A11/44L
right	52 cm	44 cm	65A11/44R



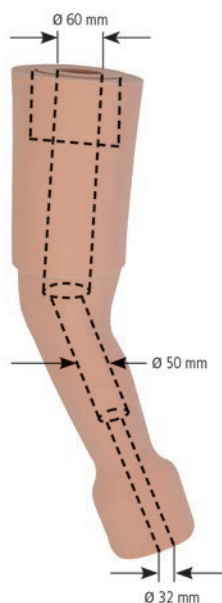
Cosmetic Soft Foam Cover

- for modular trans-femoral prosthesis, universal application
- with conical 3-step-bore (Ø 70 mm / Ø 50 mm / Ø 32 mm)

Side	Calf circ.	Item-No.
left	40 cm	65A12/40L
right	40 cm	65A12/40R
left	44 cm	65A12/44L
right	44 cm	65A12/44R

Cosmetic Soft Foam Cover

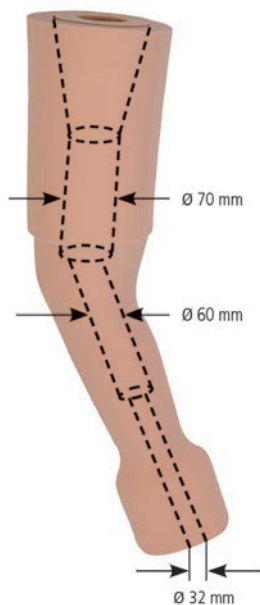
- for modular trans-femoral prosthesis, universal application
- with 3-step-bore (Ø 60 mm / Ø 50 mm / Ø 32 mm)



Side	Knee height	Calf circ.	Item-No.
left	52 cm	40 cm	65A13/40L
right	52 cm	40 cm	65A13/40R
left	52 cm	44 cm	65A13/44L
right	52 cm	44 cm	65A13/44R

Cosmetic Soft Foam Cover

- for modular trans-femoral prosthesis
- with conical 3-step-bore (Ø 70 mm / Ø 60 mm / Ø 32 mm)



Side	Knee height	Calf circ.	Item-No.
left	52 cm	44 cm	65A14/44L
right	52 cm	44 cm	65A14/44R



Nylon Stockings

for below knee (BK) prostheses

- for below knee (BK) prostheses
- colour: peach
- material: 100 % polyamid (nylon)

PU = 1 pair



Leg length	Foot length	Cuff circ.	Item-No.
36 cm	20 cm	25 cm	20A19/1
41 cm	21 cm	25 cm	20A19/2
46 cm	21 cm	27 cm	20A19/3



Nylon Cosmetic Stockings

for modular above knee (AK), knee-disarticulation (KD) and hip-disarticulation (HD) prostheses

- for modular above knee (AK), knee-disarticulation (KD) and hip-disarticulation (HD) prostheses
- peach
- material: 100 % polyamid (nylon)

PU = 1 pair



Leg length	Foot length	Cuff circ.	Item-No.
59 cm	20 cm	36 cm	20A17/0
62 cm	20 cm	36 cm	20A17/1
66 cm	21 cm	38 cm	20A17/2
72 cm	21 cm	40 cm	20A17/3
84 cm	22 cm	40 cm	20A17/4



Nylon-Connection

- connects the cosmetic soft foam with the above knee (AK) socket
- colour: peach
- material: 100 % polyamid (nylon)

PU = 1 piece



Length	Cuff width	Item-No.
22 cm	34 cm	20A18/1
22 cm	35 cm	20A18/2
22 cm	36 cm	20A18/3



Rubber Cover for S.A.C.H. Foot

- for water proof walking aids (prostheses)
- protective cover for bathing prostheses

Side	Size	Item-No.
left	universal	1P24/L
right	universal	1P24/R



Rubber Suspension Sleeve

- for swimming/bathing prostheses
- with reinforcement at top and bottom

Length	Proximal	Distal	Item-No.
450 mm	360 mm	200 mm	4P70/K
450 mm	380 mm	230 mm	4P70/M
450 mm	400 mm	230 mm	4P70/G



Tube With Seat Ring

- for valves with outer Ø 40 mm

Inner ø x outer ø	Item-No.
24 x 28 mm	28A1



Exhaust Valve for BK Amputations

Active.valve

- applicable for BK-amputations in PET-sockets and final prostheses
- secures the prosthesis in the socket by vacuum
- produces vacuum during stance phase
- pressure equalization by means of large push button
- very light weight, low construction height and simple mounting with laminating dummy
- fully assembled upon delivery
- suitable for thermoplastic and laminated prosthesis sockets
- only in connection with knee sleeve ContexGel.Knee Sleeve (30L1)
- suitable only for silicone- or polymer-gel-liners without distal connection

Weight	Item-No.
1 g	6P50



Screw Valve for Thermoforming Technique

- due to a specially designed thread a quick and easy fastening and loosening of the valve body is guaranteed
- laterally fixable lever via elastomer
- easy to handle because of a large surface of the pushbutton
- incl. lamination dummy
- aluminum

Accessories

(please order separately):

- two-hole key 6P22
- the two-hole key 6P22 is needed for tightening the upper and lower screw ring

Material	Item-No.
Aluminum	6P20/T



The Screw Valve 6P20/T is to apply solely for fittings of AK-sockets and only with vacuum forming techniques.



Screw Valve for Lamination Technique

- due to a specially designed thread a quick and easy fastening and loosening of the valve body is guaranteed
- laterally fixable lever via elastomer
- easy to handle because of a large surface of the push button
- incl. lamination dummy
- aluminum

Material	Item-No.
Aluminum	6P25/L



The Screw Valve 6P25/L is to apply solely for fittings of AK-sockets and only with lamination techniques.



Valve Body for Screw Valves

- for items 6P20/T and 6P25/L

Material	Item-No.
Aluminum	6P20/TE2



Two Hole Key

- for Screw Valve 6P20/T

Item-No.
6P22



Flat Rubber Valve -Automatic-

- with seat ring, automatic air outlet and thumb flap, Ø 40 mm

Name	Item-No.
Flat rubber valve	6P36
Replacement valve core for 6P36	6P30



Flat Rubber Valve -Plastic Pin-

- with seat ring, tapered valve pin made of plastic and thumb flap, Ø 40 mm

Name	Item-No.
Flat rubber valve	6P38
Replacement valve core for 6P38	6P32



Flat Rubber Valve -Stainless Steel Pin-

- with seat ring, tapered valve pin made of stainl. steel and thumb flap
- Ø 40 mm

Name	Item-No.
Flat rubber valve	6P27



Seat Ring

- for items 6P27, 6P34, 6P36 and 6P38

Diameter	Item-No.
40 mm	6P29



Valve Body for Flat Rubber Valves

- for items 6P27, 6P36 and 6P38

Diameter	Item-No.
outer 35 mm / inner 25 mm	6P39



Rubber Valve with Seat Ring

- with thumb flap

Diameter	Item-No.
40 mm	6P34



Rubber Housing

- replacement for flat rubber valve 6P36 and 6P38, with thumb flap

Item-No.
6P35



Storing Bag for Prostheses

PU = 10 Pieces

Length x Width	Colour	Item-No.
1200 x 400 mm	blue	164P25



Carrying Bag for Prostheses

- for AK-prostheses
- wear-resistant
- with adjustable shoulder belt
- with inner pocket and handle belt

Length x Width	Colour	Item-No.
110 x 34 cm	blue	164P11

Upon request, the bags are also available with your company logo.
Minimum order quantity: 5 pcs..



Nylon-Carrying Bag for Prostheses

- for AK-prostheses
- wear-resistant nylon
- with adjustable shoulder belt
- with handle belt

Length x Width	Colour	Item-No.
110 x 34 cm	black	164P11/N

Upon request, the bags are also available with your company logo.
Minimum order quantity: 5 pcs..



Nylon-Carrying Bag short for Prostheses

- for BK-prostheses
- wear-resistant nylon
- with adjustable shoulder belt
- with handle belt

Length x Width	Colour	Item-No.
75 x 38 cm	black	164P11/K

Upon request, the bags are also available with your company logo.
Minimum order quantity: 5 pcs..

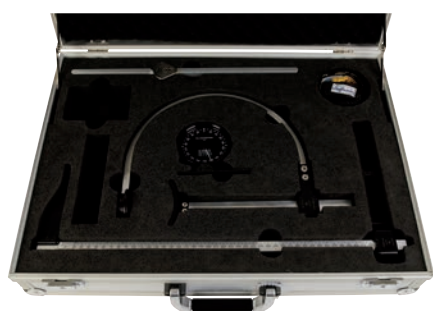


M.A.S. Tool Kit

in aluminum case, contains:

- 163P31 Tuber-M-L-Gauge
- 163P32/S Diagonometer
- 163P33 Ramus Angle Gauge
- 163P34 Plurimeter-V
- 163P35 M.A.S. Compressive Measuring Tape
- 163P36 Digital Camera

Item-No.
163P30



M.A.S.-Tool Kit

- like item 163P30 but without digital camera

Item-No.
163P29



Tuber-M-L-Gauge

Scale in two measurement ranges

- Measurement range 1: determination of distances in BK and AK areas (A-P and M-L)
- Measurement range 2: determination of stump lengths

Item-No.
163P31



Diagonometer

- concave and flat contact face
- diagonal measuring
- measurement range 70-125 mm

Item-No.
163P32



Ramus Angle Gauge

- measurement range $\pm 60^\circ$
- for measuring the ramus angle
- for measuring extension and flexion as well as ab- and adduction in BK and AK ranges

Item-No.
163P33



Plurimeter-V

- automatic raster for each quarter rotation
- easy finding of the 0-preliminary setting

Item-No.
163P34



M.A.S. Compressive Measuring Tape

- tension control via springs
- adjustable tension on 2 kg and 4 kg
- this allows a uniform reproducible way of measuring

Item-No.
163P35



Digital Camera

brand name camera (depending on offer)

Item-No.
163P36

Picture similar



Above-Knee Socket

- uncopied, poplar wood
- circum. = stump circumference

Size	Circum.	Depth x width x height	Item-No.
1	35 - 49 cm	215 x 190 x 365 mm	5P6/1
2	44 - 57 cm	220 x 215 x 365 mm	5P6/2
3	47 - 60 cm	240 x 210 x 365 mm	5P6/3

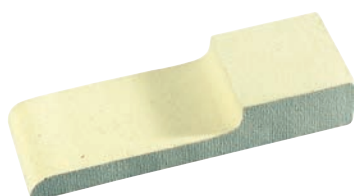


Wooden Tongue

- for connections of wooden pieces of exoskeletal prosthetics

PU = 20 Pieces

Length x Height x Thickness	Item-No.
80 x 40 x 4 mm	6P13



Felt Block, pre-cut

Use	Item-No.
starts with foot size 27	144P1/35



Felt Toe Block

Height	Item-No.
30 mm	144P2/30
35 mm	144P2/35



Rubber Cord

soft version

PU = per running meter

Diameter	Colour	Item-No.
24 mm	black (stiffer)	138P2
24 mm	red (softer)	138P5



Plantar Flexion Bumper

tapered 15/22 mm

Version	Item-No.
soft	2P36



Trouser Protector, flat

Length	Side	Item-No.
20,5 cm	left	6P16/L
20,5 cm	right	6P16/R
25,5 cm	left	6P26/L
25,5 cm	right	6P26/R



Knee Protector

- with channel for a webbing strap 65T1/45BW (45 mm)
- big incised flaps

Item-No.
4P14/P



Clamp for Webbing Strap

- oval, stainless steel, for 35 mm limiting strap 55T8/35W

	Item-No.
	4P11



Lateral Belt Retainer Plate with Screw

for belt attachment

PU = 1 piece

Neck height	Item-No.
8 mm	8P14



Suspension Nut

Diameter	Thread	Item-No.
21,5 mm	M4	8P10



Suspension Rosette Screw

Head diameter	Thread	Item-No.
14 mm	M4	8P12



Suspension Stud Screw

- nickel-plated and polished

Head diameter	Thread	Item-No.
11 mm	M4	8P7/1



Prosthetic Knee Joint

- with bronze bearing
- centered joint head, usable on both sides, stainless steel, forged, super light version, with concealed extension stop and 3-part joint
- upper bar length: 270 mm
- lower bar length: 125 mm
- bar width: 20 mm
- bar thickness: 3 mm
- milled head: 20 x 4 mm
- weight: 310 g

PU = 1 Pair

Item-No.
21P43



Prosthetic Knee Joint

- like item 21P43, but with ball bearing
- upper bar length: 270 mm
- lower bar length: 125 mm
- bar width: 20 mm
- bar thickness: 3 mm
- milled head: 20 x 4 mm
- ball bearing: 4 x 16 x 5 mm
- weight: 310 g

PU = 1 pair

Item-No.
21P44



Prosthetic Knee Joint

- for plastic and wooden prostheses, stainless steel, forged, elegant light version with concealed extension stop and 3-part joint
- upper bar length: 345 mm
- lower bar length: 150 mm
- bar width: 22 mm
- bar thickness: 3 mm
- milled head: 24 x 4 mm
- ball bearing: 4 x 16 x 5 mm
- weight: 450 g

PU = 1 pair

Side	Item-No.
right	21P48/R
left	21P48/L



Prosthetic Knee Joint

- for plastic and wooden prostheses, like item 21P48, but joint head offset on both sides
- upper bar length: 345 mm
- lower bar length: 150 mm
- bar width: 22 mm
- bar thickness: 3 mm
- milled head: 24 x 4 mm
- ball bearing: 4 x 16 x 5 mm
- weight: 450 g

PU = 1 pair

Item-No.
21P49



Ball Bearing

- complete

Size	Item-No.
4 x 16 x 5 mm	32P5
4,5 x 18 x 5 mm	32P6
5 x 16 x 5 mm	32P1
6 x 19 x 6 mm	32P3



Binding Head Screw

- joint screw

A = total length, B = head diameter, C = for ball bearing size, D = thread size

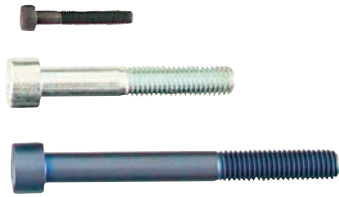
A	B	C	D	Item-No.
15 mm	12 mm	4 x 16 x 5 mm	M5	32P21
16 mm	12 mm	5 x 16 x 5 mm	M5	32P11/12
16 mm	14 mm	5 x 16 x 5 mm	M5	32P11/14
18 mm	14 mm	6 x 19 x 6 mm	M6	32P13



Truss Head Screw

- nickel-plated

Thread	Head ø	Length	Item-No.
M3	8 mm	5 mm	30P4/2
M3,5	8 mm	5 mm	30P4/5



Socket Cap Screw

Material	Size	Weight	Item-No.
Steel zinc-plated	M4 x 15 mm	2,4 g	22A2/M4x15
Steel 12.9 black	M4 x 22 mm	3,0 g	22A2/M4x22
Steel 10.9 zinc-plated	M5 x 10 mm	3,0 g	22A2/M5x10
Steel zinc-plated	M5 x 14 mm	3,2 g	22A2/M5x14
Steel 12.9 black	M5 x 20 mm	4,0 g	22A2/M5x20
Steel 12.9 black	M5 x 30 mm	5,4 g	22A2/M5x30
Steel zinc-plated	M6 x 8 mm	4,2 g	22A2/M6x8
Steel 12.9 black	M6 x 10 mm	5,0 g	22A2/M6x10
Steel zinc-plated	M6 x 16 mm	5,2 g	22A2/M6x16
Steel zinc-plated	M6 x 30 mm	7,9 g	22A2/M6x30
Steel 12.9 zinc-plated	M6 x 35 mm	8,5 g	22A2/M6x35
Titanium	M6 x 50 mm	8 g	16A60/M6
Steel 12.9 zinc-plated	M8 x 60 mm	24 g	16A22/M8
Titanium	M8 x 60 mm	18 g	16A60/M8
Titanium	M8 x 85 mm	25 g	22A3/8x85
Steel 12.9 zinc-plated	M10 x 60 mm	44 g	16A22/M10
Titanium	M10 x 60 mm	24 g	16A60/M10
Titanium	M10 x 90 mm	35 g	22A3/10x90
Steel 12.9 zinc-plated	M10 x 90 mm	55 g	22A2/M10
Steel 12.9 zinc-plated	M8 x 90mm	27 g	22A2/M8



Socket Cap Screw

Material	Size	Weight	Item-No.
Steel	M6 x 8 mm	4,0 g	22A3/M6x8



Washer, steel

Thread	Ø size	Weight	Item-No.
M8	18 x 2 mm	2,8 g	16A7/M8U
M10	22 x 2,5 mm	5,2 g	16A7/M10U



Lock Washer, steel

Thread	Ø size	Weight	Item-No.
M10	18 mm	1,2 g	16A8/M10F
M8	15 mm	0,7 g	16A8/M8F



Countersink Head Bolt

Material	Size	Weight	Item-No.
Steel 10.9 zinc-plated	M5 x 16 mm	3,8 g	22A5/M5x16
Steel zinc-plated	M6 x 10 mm	3,0 g	22A5/M6x10
Steel 10.9 zinc-plated	M6 x 12 mm	3,4 g	22A5/M6x12
Steel 10.9 zinc-plated	M6 x 14 mm	3,6 g	22A5/M6x14
Steel 12.9 black	M6 x 20 mm	4,3 g	22A5/M6x20
Steel 12.9 zinc-plated	M6 x 25 mm	5,0 g	22A5/M6x25
Steel	M6 x 35 mm	7,0 g	22A5/M6x35
Steel 10.9	M6 x 40 mm	8,0 g	22A5/M6x40
Steel 10.9	M5 x 14 mm	3,5 g	22A6/M5x14
Steel 10.9	M6 x 14 mm	5,5 g	22A6/M6x14
Steel 10.9 zinc-plated	M6 x 16 mm	4,0 g	22A6/M6x16
Steel, zinc-plated	3,8 g M5 x 16 mm		22A5/M5x16



Adjustment Set Screw/Hexagon Threaded Pin

Material	Size	Weight	Item-No.
Steel black	M5 x 8 mm	2,0 g	22A2/M5x8
Steel zinc-plated	M6 x 12 mm	2,4 g	22A2/M6x12
Steel black	M8 x 12 mm	2,9 g	22A1/M8x12
Steel zinc-plated	M8 x 12 mm	2,9 g	22A2/M8x12
Steel zinc-plated	M8 x 14 mm	3,0 g	22A2/M8x14
Steel black	M8 x 16 mm	3,2 g	22A1/M8x16
Steel zinc-plated	M8 x 16 mm	3,2 g	22A2/M8x16



Rounded Head Screw

Material	Size	Weight	Item-No.
Steel zinc-plated	M2,9 x 9,5 mm	1,5 g	22A4/29x95
Steel zinc-plated	M2,9 x 13 mm	1,8 g	22A4/29x13

Little ABC's of Orthopaedics

- A** **Abdomen** - area of the body between chest and pelvis
Abdominal - relating to the abdomen
Abduction - movement of a body part away from the midline of the body
Acetabulum - concave pelvic component of the hip joint receiving the femoral head
Adduction - movement of a body part towards the midline of the body
Alternating - exchanging, altering
Amelia - complete absence of one or several extremities
Anatomy - science of structure of organisms
Anesthesia - loss of feeling or sensation/narcosis
Anterior - front
Anteversion - forward tilt of a body part
Antivarus - against varus malalignment
Aponeurosis - a fibrous sheet of tissue by which certain muscles are attached to bones
Articulation, articulating - a joint, concerning a joint
Atrophy, to atrophy - shrinkage, wastage of biological tissue (e. g. muscle atrophy)
Axilla, axillary - the armpit, relating to the armpit
- B** **Bandage, to bandage** - wrapping, dressing; sense of: elastic support, applying bandages, taping
Biceps - two headed (e. g. biceps muscle)
Bow-leg - varus malalignment of the longitudinal axis of the leg
- C** **Calcaneus** - heel bone
Capsular - retaining to an articular capsule
Catalyser - chemical agent causing a chemical reaction (e. g. hardening powder, -paste)
Caudal - towards the tail, below, backside
Cerebrum, cerebral - the major part of the brain, occupying the upper part of the cranium, pertaining to the cerebrum
Cervical (cervical-region) - pertaining to the neck area
Chronic - long term (disease; opposite of acute)
Condyle, condylar - joint head, pertaining to the joint head
Congruence, congruent - match, matching, identical
Concave - hollow, curved inwards
Conservative - conciliatory, maintaining, in the sense of non-surgical
Constitution - physical shape
Contraction, to contract - tightening, shortening of soft tissue with joint malposition
Contralateral - reciprocal, located on the other side of the body
Contusion - bruise
Convex - curved to the front or outside
Claw foot - flexion contraction of the toes

Little ABC's of Orthopaedics

Cranial - head, above

Cyst - abnormal, closed sac-like structure within a tissue that contains a liquid, gaseous, or semisolid substance (e. g. Baker's-cyst in the back of the knee)

D **Decubitus, decubital** - pressure damage, pressure sore

Derotation - correctional rotation

Detorsion - back rotation, correctional rotation (e. g. detorsion insole)

Dexter - right

Diagnosis, to diagnose - searching and finding a cause and details of disease

Digital - pertaining to finger or toe

Digitus - finger or toe

Dislocation, dislocate - shift, to shift

Distal - away, away from body

Distorsion - sprained, twisted (e. g. joints)

Dorsal - back side

Duroplast - synthetic material, which is, once it has hardened, not mouldable anymore by heat

E **Endogenous** - caused by inner reasons

Et - and

Exogenous - caused by outer reasons

Extension - stretching, extension of a body part

Extra - beyond

Extremities - limbs

F **Fascia** - covering around muscles and tendons

Femur - bone that extends from the pelvis to the knee

Fixation, fixed - position that cannot be altered passively

Flexion - bending a joint (opposite of extension)

Fracture - break in a bone

Frontal - to the front (front surface)

G **Gibbus** - curve in the spine causing a bump or hump on the back, strong kyphotic spine deformation

Gluteus, gluteal - buttocks muscle, pertaining to buttocks

Gocht manoeuvre - special technique to mold the plaster-cast for the ischium bar

Gonarthrosis, gonitis - inflammation of the knee joint

Little ABC's of Orthopaedics

H Haematoma - bruise

Hallux - big toe

Hammer toe - flexed contraction position of a toe in the middle or end joint during dorsal tilting of the metacarpophalangeal joint

Heidelberg angle - AFO (ankle foot orthosis to lift the forefoot)

Hemi - half

Heterogenous - mixed combination, disparate

Hinge joint (Articulatio ginglymus) - single-axle joint (e. g. finger joint)

Hyper lordosis - lumbar lordosis, hollow back

Homogenous - uniform, congeneric

Hyper - prefix: more than the norm

Hypo - prefix: less than the norm

I Idiopathic - spontaneous, independent, starting without known reason (e. g. idiopathic scoliosis)

Immobilization, to immobilize - to prevent motion of a joint or segment

Incongruity, incongruent - mismatch, mismatched

Incontinence - inability to control urination or defecation

Indication, to indicate - advice, necessity, to advise, make something necessary

Infra - under or below

Initial - beginning

Insert - orthopaedic foot support, foot cushion for customized shoes

Instability, instable - missing stability, loose

Insufficiency, insufficient - functional weakness, inadequate

Interim treatment - temporary, tentative treatment before the final treatment

Irreversible - final, permanently

Ischium, ischial - seat bone, pertaining to the seat bone

Ischium bar - support point of the seat bone in prostheses or orthoses

K KBM (abbreviation) - Kondylen Bettung Münster

Knee cap - molded knee bandage made of textile rubberlike fabric

Kyphosis - rather flat backward bent scoliosis

L Lesion - injury

Level Pelvis - aligned pelvis

Lateral - away from the center

Ligament, ligamentary - band of fibrous tissue connecting bones, concerning the ligaments

Longuette - oblong reinforcing material, usually several layers (e. g. plaster bandage)

Luxation, to luxate - sprain, to sprain

Little ABC's of Orthopaedics

- M** **Medial** - inside, center, toward the mid-line
Metatarsal - long bones between the tarsal bones and the toes
Modular system - orthopaedic aid or prosthesis construction with various finished components
(modular concept)
Morbus - disease, ailment
- N** **Naviculare** - short term for os naviculare = navicular bone of foot (or hand – scaphoid bone)
Necrosis - **necrotic** - dead tissue, mortified
Neuropathy, neuropathic - nervous disorder, nervous affection
- O** **Oedema, oedematic** - swelling, swollen
Orthosis - splint, brace device, corset, support
Orthopaedics - science of recognition and treatment of inherent or acquired defects of the musculoskeletal system (orthos = straight, right and paedia = childhood)
Orthoprosthesis - construction of a proximal orthotic element and a distal prosthetic element
Ossification, osseous - bone formation, bony
Osteomyelitis - infection of bone and bone marrow
Osteosynthesis - connection of two or more bones by means of metal plates, screws, nails or wires
- P** **Pad** - upholstering device in an orthosis or shoe
Palma, palmar - inner hand surface, pertaining to the inner hand surface
Palpation, to palpate - examination by touching with the hand
Paralysis, paralytic - loss of motor function, lame (only in the sense of limpness)
Paresis, paretic - loss of motor function (limp or spastic)
Patella - kneecap
Pathological - unnatural, abnormal, morbid
Pelvic obliquity - misaligned pelvis, asymmetrical pelvis height (e. g. caused by unequal leg length)
Periphery, peripheral - outer region, outside (e. g. peripheral arterial disease = PAD)
Peroneus, peroneal - retaining to the calf-bone (e. g. nervus peroneus communis)
Peroneus-spring - ankle-foot orthosis to lift and guide the foot in case of limpness/loss of control
Pes - foot
Pes adductus - forefoot inverted, adducted, medially misaligned forefoot-position
Pes calcaneus - walking on the heel (steep slope position of the forefoot)
Pes cavus - contracted foot (excessive longitudinal arch of the foot)
Pes equinus - pointed foot (excessive plantar flexion of the whole foot)
Pes equinus varus adductus - club foot (combined malposition of the foot)
Pes planus - flat foot (collapsed medial arch)
Pes planus valgus - knock-flat foot (collapsed medial arch with kinked lower ankle joint)

Little ABC's of Orthopaedics

- P** **Plantar** - pertaining to the foot sole
Poliomyelitis - paralysis caused by the polio virus infecting the anterior horn cells of the spinal cord
Pollex - thumb
Poly - prefix: multi, several
Post - prefix: after, behind
Posterior - behind, toward the back of...
Postoperative post op - after surgery
Pre - prefix: before, prior to
Pressure lesion - surface damage of skin and tissue due to extensive pressure exposure
Prevention - precaution
Prognosis, prognostic - preview, expected
Progreddience, progredient - progression (of disease), advancing
progressive - advancing
Prominence, prominent - protrusion, protruding
Pronation - rotation of hand or foot in long axis facing outwards or dorsally
Prophylaxis, prophylactic - prevention, preventive
Prosthesis - externally applied device used to replace wholly, or in part, an absent or deficient limb segment
Proximal - nearest to the trunk; towards the trunk
Pseudo arthrosis - non-union of a fractured bone
PTB - (abbreviation) - patella tendon bearing = patella tendon - load principle
PTS - (abbreviation) - PTB-supracondylar prosthesis = lower leg prosthesis, reaching over femurcondyles
- Q** **Quadriceps** - short for Musculus quadriceps = four headed muscle in the anterior thigh
Quengel Hinged Brace - joint bending or stretching brace with hinges
- R** **Radius** - spoke bone, one of the forearm bones
Recidivism, recidiving - relapse, recurrence (of a disease), relapsing
Reclination, to reclinate - backward tilt, to tilt backwards
Redression, to redress - to force or bend back
Rehabilitation, to rehabilitate - enabling persons with disabilities to reach and maintain their optimal sensory, intellectual, psychiatric and/or social functional levels
Retroversion - backward turn
Reversible - convertible
Rotation, to rotate - turn, turning
- S** **Sagittal** - following the arrow, straight direction
Saddle joint (articulatio sellaris) - double-axis joint (e. g. thumb saddle joint Carpometacarpal-I-joint)
Shore-hardness - measuring unit for the degree of hardness of elastic materials
Sinister - left

Little ABC's of Orthopaedics

S **Scoliosis, scoliotic** - lateral deviation of the spine and rotation of the vertebrae around the long axis of the spine

Spasticity, spastic - cramping, cramped

Spina, spinal - referring to the spine (vertebral column)

Spondyle - relating to the spine (e. g. spondyle arthrosis = arthrosis of the vertebral joints)

Subductus - laying underneath (e. g. digitus subductus = toe, laying crossed underneath)

Subluxation - partial dislocation of a joint

Superductus - laying over (e. g. digitus superductus = toe, laying over dorsally)

Supination - rotation of hand or foot around long axis with palm forward or foot inward

Supination wedge - medial or inner elevation of an orthopaedic insole

Supra - prefix: upper, above

Swiss cam lock / Swiss lock system - detention of a splint joint (e. g. of an orthotic brace)

Symphysis - pubic symphysis, midline cartilaginous pubic bone connection (synchondrosis)

Symptom, symptomatic - sign, indication of a disease, indicating a disease

Syndesmosis - slightly movable articulation where the contiguous bony surfaces are united by an interosseous ligament

Syndrome - disease pattern

Synostosis - bony fusion between two bones

T **Talus** - bone that articulates with the tibia and fibula to form the ankle joint

Tarsus, tarsal - heel part of the foot, pertaining to the heel part of the foot

Thermoplast - plastic material re-shapeable under heat application

Three-point-correction principle - correctional therapy by leverage effect with surface pressure-application at three contact points

Thomas splint - a long leg relief splint that extends from a ring at the hip to beyond the foot, e. g. for aseptic hip joint necrosis

Tonus - tension condition of muscles

Torsion - twisting

Trochanter - muscle insertion point, bony protrusion lateral-proximally at the femur

Tuber - hunch, knob (e. g. tuber ischiadicum)

Tuberosity - bony protrusion, muscle insertion/fixation point

U **Ulna** - inner and longer of the two bones of the forearm

V **Ventral** - relating to or situated on or close to the abdomen; abdominal, front

Vertex - centre of a curve, maximum of a curve

V2A-steel - stainless steel

W **Walking** - milling, softening, staking e. g. orthopaedic leather

Source: „Children's orthopaedic techniques by R. Bernbeck, J. Pramschier, H. D. Stolle“, published by Thieme, Stuttgart

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