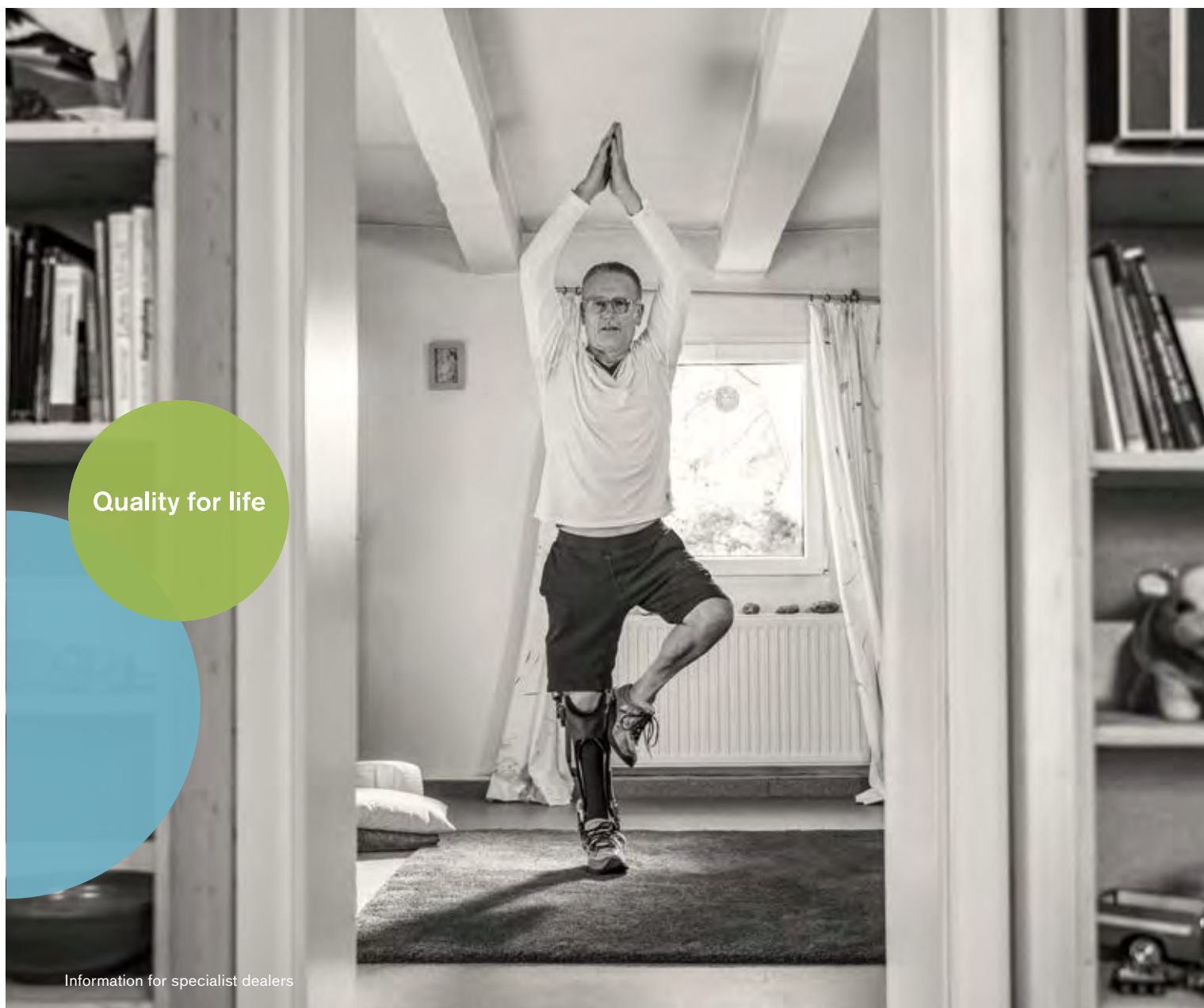


NeuroOrthopaedics



Quality for life



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"Our objective is to offer maximum mobility, independence and normality to people with physical disabilities. This means all our products have to be judged by the functionality they offer users."

Prof. Hans Georg Näder,
Chairperson of the Management Board,
Ottobock SE & Co. KGaA

A changing company

Ottobock develops medical technology products and high quality fitting concepts for people with limited mobility. Driven by a decisive, pioneering spirit, prosthetist Otto Bock founded the Orthopädische Industrie GmbH company in Berlin in 1919. He had the courage to break new ground and set higher standards that would ultimately revolutionise an entire industry. Under the leadership of his son-in-law, Dr. Max Näder, Ottobock grew from a national to an international company. Thanks to his creativity and inventive talent, Max Näder continued to set standards in orthopaedic technology with the development of products such as the modular leg prosthesis system and the myoelectrically-controlled upper limb prosthesis. The company began to establish an international network in 1958, when the first foreign branch was founded in the US. Professor Hans Georg Näder has pursued a consistent, dynamic approach to continue driving this growth, with the result that Ottobock is now a global player and a strong corporate brand. In all aspects of our business, people are always our number one priority: we are committed to helping everyone achieve maximum mobility, independence and quality of life.

Ottobock SE & Co. KGaA is simultaneously a family business and a modern, customer and success-oriented company. A network of sales and service companies in 58 countries ensures that we are close to our customers. This helps us understand user needs and customer requirements and integrate these aspects into the products we develop. With the business areas of Prosthetics, Orthotics, NeuroRehabilitation, Human Mobility (wheelchairs and rehabilitation devices), MedicalCare and Industrials, the broad-based company is capable of offering its customers a nearly unparalleled range of products, coordinated system solutions and extensive services.

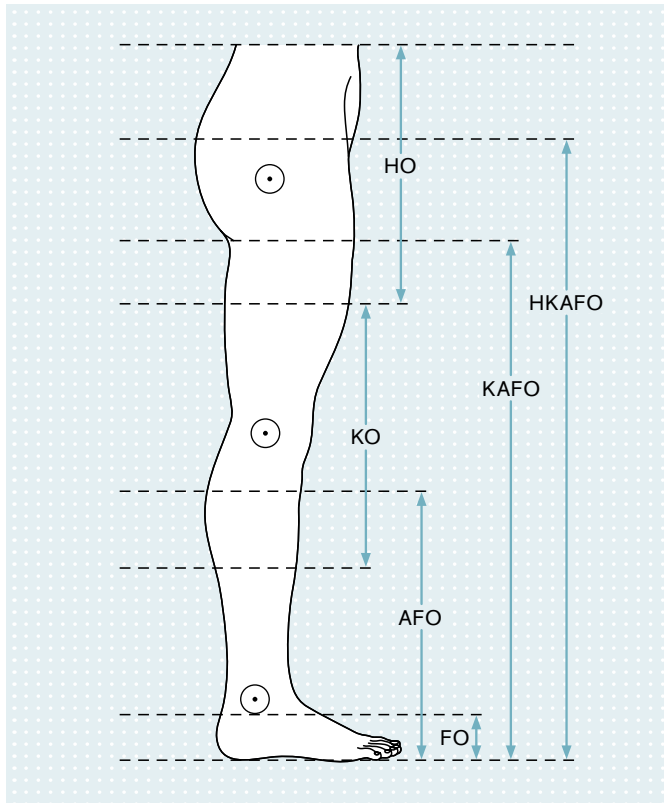
We take responsibility for improving the quality of life of people with disabilities by creating solutions that are functionally and technologically outstanding – both now and into the future. The role played by high-quality materials is just as essential as expert craftsmanship when it comes to providing fittings for people with physical limitations. Only the fitting team which attends to the patient personally can determine the patient's overall needs and establish the requirements for a custom orthosis on this basis. One example would be a stroke patient who can only use one hand to put their orthosis on. For more information on paralysis fittings, please consult our reference "Designing orthotics for the lower limbs" (646B7) for medical specialists, therapists and O&P professionals. And get started now by choosing the components for your custom orthoses from the selection that follows.

Always at your service!

At Ottobock, we place great emphasis on CUSTOMER SERVICE. Our highly experienced representatives are standing by – ready to assist you with their comprehensive expertise, inform you about the latest developments and advise you on every aspect of our products. If you have a complex enquiry, our product experts and specialists from Fabrication will be delighted to help you. Our highly qualified sales team can assist with special technical solutions and their on-site implementation. We also offer end-to-end service plans.

About this catalogue

General orthotics

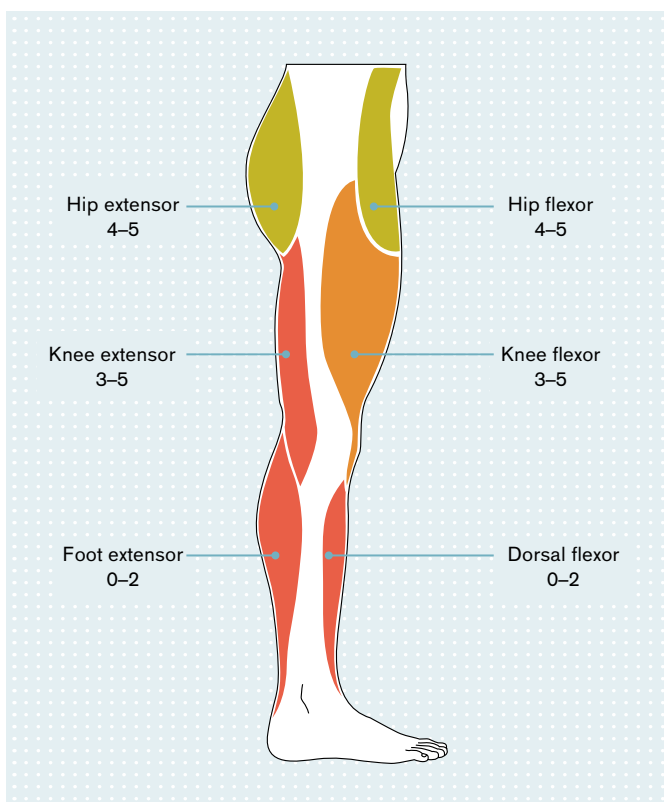


Global networking has also become important in the medical technology sector. In order to work with the same terminology internationally, the abbreviations of the English terms for the different types of orthoses are used.

These are already used in many countries in the corresponding fitting or device lists. Only the abbreviations common for the lower limbs are shown in the adjacent overview, but these are widely used for the entire locomotor system.

Lower limb orthosis types


| | |
|--------------|------------------------------|
| HO | Hip orthosis |
| HKAFO | Hip-knee-ankle-foot orthosis |
| KAFO | Knee-ankle-foot orthosis |
| KO | Knee orthosis |
| AFO | Ankle-foot orthosis |
| FO | Foot orthosis |










Muscle strength assessment according to Janda

| | |
|--|--|
| | 0 No visible and/or palpable muscle contraction |
| | 1 Visible and/or palpable muscle contraction with no motor effect |
| | 2 Pronounced muscle tension, movement is possible if force of gravity is eliminated |
| | 3 Movement against gravity possible |
| | 4 Movement against low to medium resistance possible |
| | 5 Movement with normal strength |

Explanation of symbols

| | |
|---|--|
|  | Products suitable for children |
|  | Recommended for lamination resin technique |
|  | Recommended for prepreg technique |
|  | Recommended for bar/clamp technique |
|  | Recommended for thermoplastic technique |
|  | Alignment insert, size 1 |
|  | Alignment insert, size 2 |
|  | Alignment insert, size 3 |
|  | Alignment insert, size 4 |
|  | Alignment insert, size 5 |
|  | Alignment insert, size 6 |
|  | Alignment insert, size 7 |
|  | Alignment insert, size 8 |
|  | Alignment insert, size 9 |
|  | Self-adhesive |
|  | Two components: A-component, B-component |
|  | Washable at 30 °C |
|  | Washable at 40 °C |
|  | Washable at 60 °C |

Symbol explanations for hazardous materials

| Hazard pictogram | Description |
|--|---|
|  GHS01 Exploding bomb | Explosive substances/mixtures and products with explosive materials: - Unstable, explosive - Subclasses 1.1, 1.2, 1.3, 1.4 Self-reactive substances and mixtures, type A Self-reactive substances and mixtures, type B (+ pictogram GHS02) Organic peroxides, type A Organic peroxides, type B (+ pictogram GHS02) |
|  GHS02 Flame | Flammable gases, hazard category 1 Aerosols, hazard categories 1, 2 Flammable liquids, hazard categories 1, 2, 3 Flammable solids, hazard categories 1, 2 Self-reactive substances and mixtures, types B (+ pictogram GHS01), C, D, E, F Pyrophoric liquids, hazard category 1 Pyrophoric solids, hazard category 1 Substances and mixtures capable of self-heating, hazard categories 1, 2 Substances and mixtures that release inflammable gases in combination with water, categories 1, 2, 3 Organic peroxides, types B (+ pictogram GHS01), C, D, E, F Substances and mixtures that release inflammable gases in combination with water, hazard categories 1, 2, 3 |
|  GHS03 Flame over circle | Oxidising gases, category 1 Oxidising liquids, categories 1, 2, 3 Oxidising solids, categories 1, 2, 3 |
|  GHS04 Gas cylinder | Gases under pressure: - compressed gases - liquefied gases - frozen liquefied gases - dissolved gases |
|  GHS05 Corrosion | Corrosive to metals, category 1 Corrosive/irritating effect on the skin, categories 1A, 1B, 1C Severe eye damage/eye irritation, category 1 |
|  GHS06 Skull and crossbones | Acute toxicity (oral, dermal, inhalation), categories 1, 2, 3 |
|  GHS07 Exclamation Mark | Acute toxicity (oral, dermal, inhalation), category 4 Irritating to skin, category 2 Severe eye irritation, category 2 Skin sensitisation, categories 1, 1A und 1B Specific target organ toxicity (one-time exposure), category 3 Respiratory sensitisation, category 3 narcotic effect Hazardous to the ozone layer, category 1 |
|  GHS08 Health hazard | Respirator sensitisation, categories 1, 1A und 1B Germ cell mutagenicity, categories 1A, 1B, 2 Carcinogenicity, categories 1A, 1B, 2 Reproductive toxicity, categories 1A, 1B, 2 Specific target organ toxicity (one-time exposure), categories 1, 2 Specific target organ toxicity (repeated exposure), categories 1, 2 Aspiration hazard, category 1 |
|  GHS09 Environment | Hazardous to water - acutely hazardous to water: category akute 1 - hazardous to water, long term: categories chronic 1, 2 |

The printed symbols for hazardous materials in the catalog correspond to the hazardous material labeling at the time of printing. These refer to the raw materials and provide an indication of dangerous classified products. Subject to changes. You can find more information on the hazard warnings in the corresponding Ottobock safety data sheet, which is available on request.

About this catalogue

Searching, finding and ordering

This catalogue is organised into sections.

3

3

KAFO/KO
Bars for knee orthoses/lower limb prostheses

(4) Slotted trans head screw
Reference number 801530

(6) Oval head screw
Reference number 801540

(7) Extension strip
Reference number 17190

KAFO/KO
Bars for knee orthoses/lower limb prostheses

Polycentric knee joint bars, short
Reference number 17647

With gear drive, five motion joints, upper and lower bars are curved and notched, for embedding into laminate and thermoplastic cycloleic materials, interchangeable steps to final extension

| Technical data | Design number | Design from date | Design to date | Price per piece | Bar width | Slot bar thickness | Slot thickness | Material | Quantity unit |
|----------------|---------------|------------------|----------------|-----------------|-----------|--------------------|----------------|----------|---------------|
| | | | | | | | | | |

Stichwortverzeichnis

3

50

A

1-10

Kennzeichen-Index

The list of keywords lists all products in alphabetical order. Alternatively, the index lets you find the page numbers for products by reference number.

ottobock.

Service Fabrication
Customized Solutions

Quality for life.

Ottobock Service Fabrication offers custom orthotics products and services. These are listed in the catalogue 646K71.

ottobock.

Materials
Components & Systems

Quality for life.

For more information or to place orders for products in the materials category, please use the 646K1 Ottobock materials catalogue.

ottobock.

Consulting, Planning and Equipping

Quality for life.

You can find more on individual solutions for specialist orthopedic technology companies in the "Consulting, Planning and Furnishing Catalog" (646K10).

Name of product

Brief product description

Illustration of product

Available information material

Replacement parts graphic

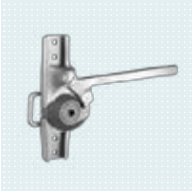
ICONS for guidance

Product components which serve as spare parts for service and repair.

System knee joint

Reference number 17B44

Locked knee joint with adjustable Swiss lock for positioning orthoses.
Flexion angle adjustment up to max. 16° knee flexion and 100 kg body weight possible in gait orthoses.
Contoured medial joint, straight lateral joint, Swiss lock with flexion adjustment



Information material

| | |
|-------------------|----------------------------|
| 646F596-EN_MASTER | Knee joints overview |
| 647G43 | 17B44 instructions for use |

Technical data

| Article number | Side | System width | Length from joint centre upper | Length from joint centre lower | Material | Quantity unit |
|----------------|-----------|--------------|--------------------------------|--------------------------------|-----------------|---------------|
| 17B44-L16 | left (L) | 16 mm | 56 mm | 38 mm | Stainless steel | Pair |
| 17B44-R16 | right (R) | 16 mm | 56 mm | 38 mm | Stainless steel | Pair |
| 17B44-L20 | left (L) | 20 mm | 56 mm | 38 mm | Stainless steel | Pair |
| 17B44-R20 | right (R) | 20 mm | 56 mm | 38 mm | Stainless steel | Pair |

Spare parts for 17B44

(1) Knee cap ring plate
Reference number 17Y56

Technical data

| Article number | Side | For system width | Material | Quantity unit |
|----------------|-----------|------------------|-----------------|---------------|
| 17Y56-L | left (L) | 16 and 20 mm | Stainless steel | Piece |
| 17Y56-R | right (R) | 16 and 20 mm | Stainless steel | Piece |

(2) Lock lever
Reference number 17Y57

Technical data

| Article number | Side | For system width | Material | Quantity unit |
|----------------|-----------|------------------|-----------------|---------------|
| 17Y57-L | left (L) | 16 and 20 mm | Stainless steel | Piece |
| 17Y57-R | right (R) | 16 and 20 mm | Stainless steel | Piece |

(3) Oval head screw
Reference number 501A23

Technical data

| Article number | Material | Quantity unit |
|----------------|-----------------|---------------|
| 501A23 | Stainless steel | Piece |



Note: orthosis compendium

Detailed explanations of the underlying illnesses relevant for custom orthotics, the biomechanics of standing and walking and the orthosis designs corresponding to the clinical pictures are found in our orthosis compendium for the lower extremity.

Article-No. 646B7=EN_INT

Please note that the basic colors listed in the catalogue do not necessarily match the actual color effect.



NeuroRehabilitation

1

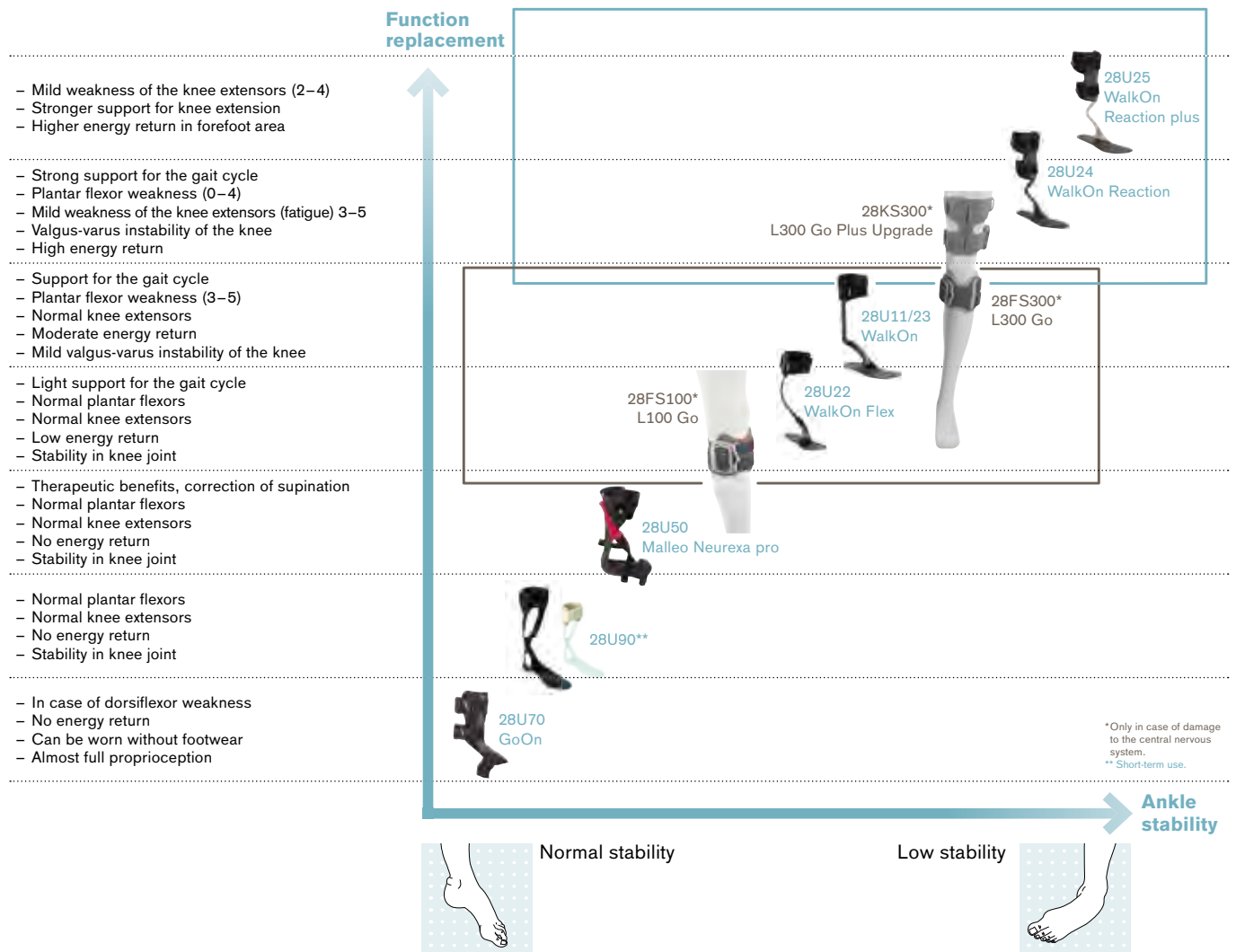
The frequency of neurological diseases has been increasing for years. According to an analysis by Deloitte, the specialist field of neurology will grow by 24.6% by 2030, which is the highest percentage growth in any medical specialist field (Deloitte 2016). The objective of NeuroRehabilitation is to avoid the resulting day-to-day limitations as far as possible through targeted measures, restore functions and thereby improve quality of life. However, improvements are not limited to a certain period of time but can be attained at virtually any time through treatments and applications. Devices can make a major contribution here. Lost and/or limited functions can be replaced, assisted or strengthened by devices. In the rehabilitation phase, a device can maintain and improve therapy results that have been achieved, support the patient's mobilisation or prevent early compensating movements on the part of the patient. In day-to-day life, devices help maintain rehabilitation results and promote the use of mobility that has been regained in specific situations. Ottobock offers numerous devices that have been developed especially for the particular needs of NeuroRehabilitation. This includes pre-fabricated, semi-finished products that are presented in this section. All components required for the fabrication of custom orthoses are also described in detail in this catalogue.



Visit **Ottobock Scandinavia professionals site** to obtain up-to-date product information at any time.

NeuroRehabilitation

Lower limb – Differentiation within the product portfolio





GoOn

Reference number 28U70

Ankle foot orthosis for lifting the foot in neutral position

Features and benefits

- Universal size (adult size)
 - One size fits all users
- Front support attached directly to the foot
 - Very secure, firm fit
- Spring elements made of individual filaments
 - Controlled lifting force, moderate guidance and torsion control of the foot
- Viscoelastic cushion
 - Minimised pressure on the top of the foot
- Easy handling and soft materials
 - High acceptance
- Dorsal spring construction
 - Can be worn with or without footwear, regardless of heel height. If the orthosis is worn without footwear, an additional hook-and-loop closure is required (included in the scope of delivery)
- Orthosis does not cover the heel and forefoot
 - High proprioception
- Easy to wash
 - Hygienic

Information material

| | |
|--------------------|---|
| 646D1127=EN_MASTER | 28U70 information for practitioners |
| 646D1249=EN_INT | Lower limb stroke information for practitioners |
| 646H15=EN_INT | Stroke user information |
| 646D792=EN_INT | Mobilisation following a stroke |
| 646F340=EN_INT | Stroke indication matrix |
| 647G1225=ALL_INT | 28U70 Instructions for use |

Indications

- Drop foot caused by
 - Fatigue syndrome
 - Problems with balance
 - Dementia
 - Parkinson's disease
 - Stroke
 - Traumatic brain injury
 - Multiple sclerosis
 - Neural muscular atrophy
 - Peroneal paralysis (paresis)

Modes of action

- Light support for drop foot

Technical data

| Article number | For size |
|----------------|-----------|
| 28U70 | Universal |

NeuroRehabilitation

Lower limb

Spare parts for 28U70



Pad for GoOn incl. straps and Y-hook-and-loop

Reference number 29U70

Technical data

| Article number | Spare part for | Size |
|----------------|----------------|-----------|
| 29U70 | 28U70 GoOn | Universal |



Y-hook-and-loop

Reference number 29U25

Technical data

| Article number | Spare part for | Size | Quantity unit |
|----------------|----------------|------|---------------|
| 29U25=2 | 28U70 GoOn | 2 | Piece |



Viscoelastic pressure pad

Reference number 29U74

Technical data

| Article number | Spare part for | Size |
|----------------|----------------|-----------|
| 29U74 | 28U70 GoOn | Universal |



Ankle-foot orthosis

Reference number 28U90

Ankle-foot orthosis for lifting the foot in neutral position.

Features and benefits

- Thin-walled design
 - Inconspicuous under clothing and in the shoe
- Long sole
 - Precise guidance of the foot, sole can be shortened as needed
- Low weight
 - No added strain
- Calf pad, easy to remove and washable
 - Good wearer comfort
- Pad with strap suitable for left-hand or right-hand use
 - Straightforward adaptation to the patient

Indications

- Drop foot caused by
 - Peroneal paralysis (paresis)
 - Stroke
 - Traumatic brain injury
 - Multiple sclerosis
 - Neural muscular atrophy

Modes of action

- Passive, flexible limitation of plantar flexion
- Dynamically returns the foot to the neutral position

Information material

| | |
|-----------------|---|
| 646D1249=EN_INT | Lower limb stroke information for practitioners |
| 646H15=EN_INT | Stroke user information |
| 646D792=EN_INT | Mobilisation following a stroke |
| 646F340=EN_INT | Stroke indication matrix |
| 647G955=ALL_INT | 28U90 instructions for use |

Technical data



| Article number | Shoe size | Side | Colour |
|----------------|-----------|-----------|--------|
| 28U90=L35-37-0 | 35 - 37 | left (L) | Beige |
| 28U90=R35-37-0 | 35 - 37 | right (R) | Beige |
| 28U90=L35-37-7 | 35 - 37 | left (L) | Black |
| 28U90=R35-37-7 | 35 - 37 | right (R) | Black |
| 28U90=L37-39-0 | 37 - 39 | left (L) | Beige |
| 28U90=R37-39-0 | 37 - 39 | right (R) | Beige |
| 28U90=L37-39-7 | 37 - 39 | left (L) | Black |
| 28U90=R37-39-7 | 37 - 39 | right (R) | Black |
| 28U90=L39-41-0 | 39 - 41 | left (L) | Beige |
| 28U90=R39-41-0 | 39 - 41 | right (R) | Beige |
| 28U90=L39-41-7 | 39 - 41 | left (L) | Black |
| 28U90=R39-41-7 | 39 - 41 | right (R) | Black |
| 28U90=L41-44-0 | 41 - 44 | left (L) | Beige |
| 28U90=R41-44-0 | 41 - 44 | right (R) | Beige |
| 28U90=L41-44-7 | 41 - 44 | left (L) | Black |
| 28U90=R41-44-7 | 41 - 44 | right (R) | Black |
| 28U90=L44-47-0 | 44 - 47 | left (L) | Beige |
| 28U90=R44-47-0 | 44 - 47 | right (R) | Beige |
| 28U90=L44-47-7 | 44 - 47 | left (L) | Black |
| 28U90=R44-47-7 | 44 - 47 | right (R) | Black |

Spare parts for 28U90



Calf pad with strap

Reference number 29U90

Calf strap with closure for 28U90 ankle-foot orthosis

Technical data

| Article number | Spare part for | Size | Colour |
|----------------|----------------------------------|-------|--------|
| 29U90=35-37-7 | 28U90=R35-37-7 28U90=L35-37-7 | 35-37 | Black |
| 29U90=35-37-9 | 28U90=L35-37-0 28U90=R35-37-0 | 35-37 | Beige |
| 29U90=37-39-7 | 28U90=L37-39-7 28U90=R37-39-7 | 37-39 | Black |
| 29U90=37-39-9 | 28U90=L37-39-0 28U90=R37-39-0 | 37-39 | Beige |
| 29U90=39-41-7 | 28U90=L39-41-7 28U90=R39-41-7 | 39-41 | Black |
| 29U90=39-41-9 | 28U90=L39-41-0 28U90=R39-41-0 | 39-41 | Beige |
| 29U90=41-44-7 | 28U90=L41-44-7 28U90=R41-44-7 | 41-44 | Black |
| 29U90=41-44-9 | 28U90=L41-44-0 28U90=R41-44-0 | 41-44 | Beige |
| 29U90=44-47-7 | 28U90=L44-47-7 28U90=R44-47-7 | 44-47 | Black |
| 29U90=44-47-9 | 28U90=L44-47-0 28U90=R44-47-0 | 44-47 | Beige |



Malleo Neurexa pro

Reference number 28U50

Thermoplastic ankle-foot orthosis with dynamic pronation strap.

Features and benefits

- Can be worn barefoot as well as with shoes
 - Flexible
- Dynamic pronation strap
 - Corrects supination
- Can be used as both a day or night splint
 - Prevents contractures

Indications

- Drop foot without/with moderate supination of the foot due to spasticity
 - Stroke
 - Traumatic brain injury
 - Multiple sclerosis
 - Neural muscular atrophy
 - Isolated peroneal paralysis

Modes of action

- The special guidance of the closure straps with the combination of the elastic pronation strap ensures effective correction, even with acute hypertonicity of the lower leg musculature.
- Yields when spasticity occurs
- Returns the foot to the neutral position after relaxation

Information material

| | |
|------------------|---|
| 646D507=EN_INT | Neurexa line – information for practitioners |
| 646D1249=EN_INT | Lower limb stroke information for practitioners |
| 646H15=EN_INT | Stroke user information |
| 646D792=EN_INT | Mobilisation following a stroke |
| 646F340=EN_INT | Stroke indication matrix |
| 647G1107=ALL_INT | 28U50 instructions for use |

Technical data

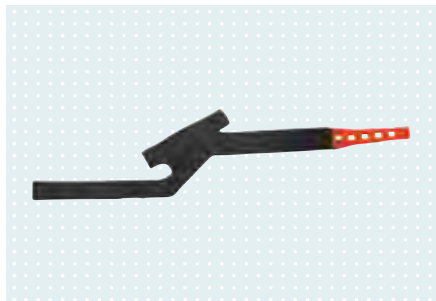


| Article number | Shoe size | Side |
|----------------|-----------|-----------|
| 28U50=L35-37 | 35-37 | left (L) |
| 28U50=R35-37 | 35-37 | right (R) |
| 28U50=L37-39 | 37-39 | left (L) |
| 28U50=R37-39 | 37-39 | right (R) |
| 28U50=L39-41 | 39-41 | left (L) |
| 28U50=R39-41 | 39-41 | right (R) |
| 28U50=L41-44 | 41-44 | left (L) |
| 28U50=R41-44 | 41-44 | right (R) |

NeuroRehabilitation

Lower limb

Spare parts for 28U50



Hook-and-loop closure

Reference number 29S1

Hook-and-loop closure for Malleo Neurexa pro and Dyna Ankle.

Technical data

| Article number | Spare part for | Side | Length |
|----------------|----------------|-----------|---------|
| 29S1=L35-37 | 28U50=L35-37 | left (L) | 15,0 cm |
| 29S1=R35-37 | 28U50=R35-37 | right (R) | 15,0 cm |
| 29S1=L37-39 | 28U50=L37-39 | left (L) | 16,5 cm |
| 29S1=R37-39 | 28U50=R37-39 | right (R) | 16,5 cm |
| 29S1=L39-41 | 28U50=L39-41 | left (L) | 18,0 cm |
| 29S1=R39-41 | 28U50=R39-41 | right (R) | 18,0 cm |
| 29S1=L41-44 | 28U50=L41-44 | left (L) | 20,0 cm |
| 29S1=R41-44 | 28U50=R41-44 | right (R) | 20,0 cm |



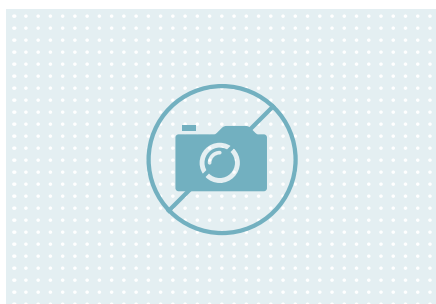
Strap piece

Reference number 29S2

Strap piece for Malleo Neurexa pro and Dyna Ankle

Technical data

| Article number | Spare part for | Size | Length |
|----------------|--------------------------|-------|--------|
| 29S2=35-37 | 28U50 Malleo Neurexa pro | 35-37 | 29 cm |
| 29S2=37-41 | 28U50 Malleo Neurexa pro | 37-41 | 33 cm |
| 29S2=41-44 | 28U50 Malleo Neurexa pro | 41-44 | 37 cm |



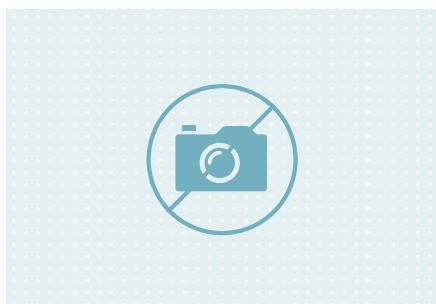
Calf pad

Reference number 29S24

The calf pad is a spare part for the Malleo Neurexa pro.

Technical data

| Article number | Size |
|----------------|-------|
| 29S24=35-39 | 35-39 |
| 29S24=39-44 | 39-44 |



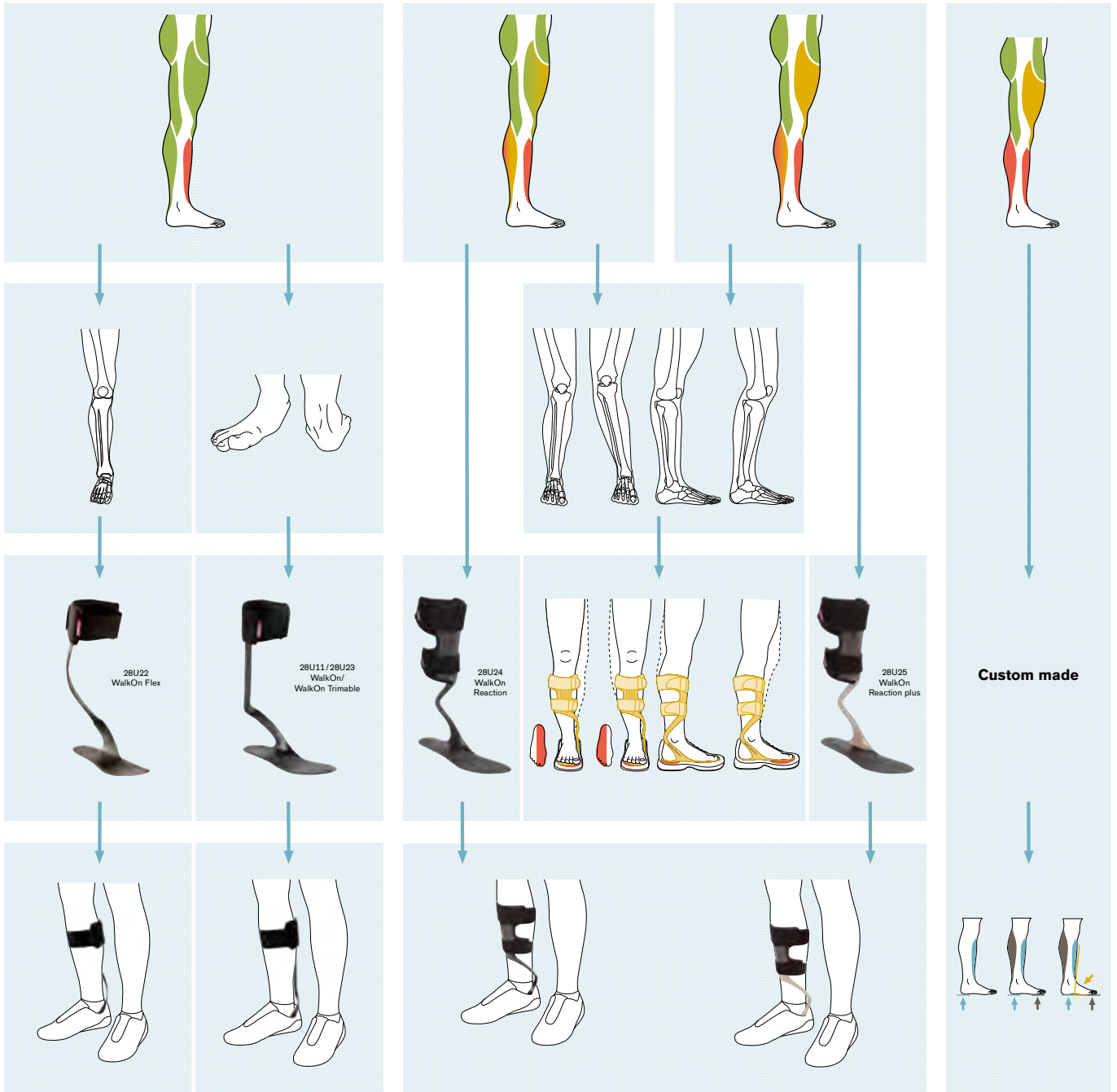
Component set

Reference number 29U34

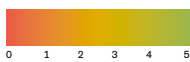
The component set is a spare part for the 28U50 Malleo Neurexa pro.

Technical data

| Article number |
|----------------|
| 29U34 |



Muscle status by Janda



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Hint

28Z10
Pronation belt/
Supination correction strap

Inlays generally
recommended

| Article Number | Side | Shoe Size (E) | Shoe Size (US) | |
|-----------------------------------|---------|---------------|----------------|----------|
| WalkOn 28U11 | =L36-39 | left | 36-39 | 4.5-7 |
| WalkOn Flex 28U22 | =R36-39 | right | 36-39 | 4.5-7 |
| WalkOn Trimable 28U23 | =L39-42 | left | 39-42 | 7-8.5 |
| WalkOn Reaction 28U24 | =R39-42 | right | 39-42 | 7-8.5 |
| WalkOn Reaction plus 28U25 | =L42-45 | left | 42-45 | 8.5-11.5 |
| | =R42-45 | right | 42-45 | 8.5-11.5 |
| | =L45-48 | left | 45-48 | 11.5-14 |
| | =R45-48 | right | 45-48 | 11.5-14 |



WalkOn Flex

Reference number 28U22

Dynamic ankle-foot orthosis made of composite material, for lifting the foot and active energy return while walking.

Features and benefits

- Made of fibreglass prepreg
 - Easy energy storage and return during the gait cycle
- Trimable sole
 - Straightforward adaptation
- Slim design
 - Inconspicuous to wear
- Low weight
 - High acceptance
- Two comfortable calf bands made of climate-regulating material
 - Skin-friendly padding, washable and exchangeable
- Medial guidance of the longitudinal arch by the pylon
 - Prevents supination in solid footwear
- Spiral-shaped spring to calf band
 - Greater flexibility at heel strike, natural exterior rotation of the foot, less stability during pronation and supination than WalkOn/WalkOn Trimable

Indications

- Drop foot caused by
 - Peroneal paralysis (paresis)
 - Stroke
 - Traumatic brain injury
 - Multiple sclerosis
 - Neural muscular atrophy

Modes of action

- Supports dorsiflexion
- Promotes dynamic rollover
- Increases the stride length by improving muscle dynamics
- Promotes exterior rotation of the foot at heel strike
- Promotes a physiological gait pattern
- Reduces the risk of falling

Technical data



| Article number | Shoe size | Side | Height |
|----------------|-----------|-----------|--------|
| 28U22=L36-39 | 36 - 39 | left (L) | 35 cm |
| 28U22=R36-39 | 36 - 39 | right (R) | 35 cm |
| 28U22=L39-42 | 39 - 42 | left (L) | 36 cm |
| 28U22=R39-42 | 39 - 42 | right (R) | 36 cm |
| 28U22=L42-45 | 42 - 45 | left (L) | 37 cm |
| 28U22=R42-45 | 42 - 45 | right (R) | 37 cm |
| 28U22=L45-48 | 45 - 48 | left (L) | 39 cm |
| 28U22=R45-48 | 45 - 48 | right (R) | 39 cm |

Information material

| | |
|------------------|---|
| 646D387=EN_INT | WalkOn line – information for practitioners |
| 646H14=ALL_INT | WalkOn line user information |
| 646D1249=EN_INT | Lower limb stroke information for practitioners |
| 646H15=EN_INT | Stroke user information |
| 646D792=EN_INT | Mobilisation following a stroke |
| 646F340=EN_INT | Stroke indication matrix |
| 646F447=EN_INT | WalkOn selection tool |
| 647G1530=ALL_INT | 28U11 / 28U22 / 28U23 instructions for use |

Spare parts for 28U22



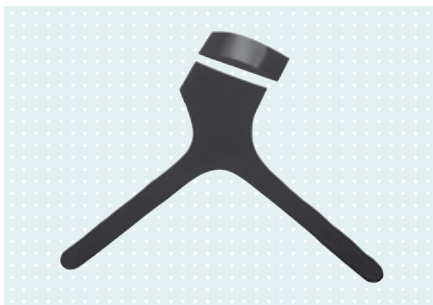
Calf pad

Reference number 29U5

Technical data

| Article number | Side | Size |
|----------------|-------|-------|
| 29U5=L2 | left | 31–42 |
| 29U5=R2 | right | 31–42 |
| 29U5=L1 | left | 43–50 |
| 29U5=R1 | right | 43–50 |

Accessory for 28U22



Lateral pronation strap

Reference number 28Z10

A 28Z10 pronation strap can be used as an additional option to counteract spastic supination of the foot.

Technical data

| Article number | Spare part/accessories for | For size |
|----------------|----------------------------|-----------|
| 28Z10 | 28U22 WalkOn Flex | Universal |



WalkOn Flex FIT KIT

Reference number 28T2

A WalkOn FIT KIT can be used to test the function of the orthosis. It consists of four test orthoses including pads and a bag.

Technical data

| Article number | Accessories for | Side | Shoe size |
|----------------|-------------------|-----------------------|-----------|
| 28T2 | 28U22 WalkOn Flex | left (L) right (R) | 36 – 48 |

Information material

646D570=ALL_INT

28T2 Information for practitioners



WalkOn

Reference number 28U11

Dynamic ankle-foot orthosis made of carbon, for lifting the foot and active energy return while walking.

Features and benefits

- Made of carbon fibre prepreg
 - Energy is stored and returned during the gait cycle
- Slim design
 - Inconspicuous to wear
- Low weight
 - High acceptance
- Two comfortable calf bands made of climate-regulating material
 - Skin-friendly padding, washable and exchangeable
- Medial guidance of the longitudinal arch by the pylon
 - Prevents supination in solid footwear
- Dorsal pylon/spring to calf band
 - Good control at heel strike and toe-off

Indications

- Drop foot caused by
 - Peroneal paralysis (paresis)
 - Stroke
 - Traumatic brain injury
 - Multiple sclerosis
 - Neural muscular atrophy

Modes of action

- Supports dorsiflexion
- Promotes dynamic rollover
- Increases the stride length by improving muscle dynamics
- Promotes exterior rotation of the foot at heel strike
- Promotes a physiological gait pattern
- Reduces the risk of falling

Information material

| | |
|------------------|---|
| 646D387=EN_INT | WalkOn line – information for practitioners |
| 646H14=ALL_INT | WalkOn line user information |
| 646D1249=EN_INT | Lower limb stroke information for practitioners |
| 646H15=EN_INT | Stroke user information |
| 646D792=EN_INT | Mobilisation following a stroke |
| 646F340=EN_INT | Stroke indication matrix |
| 646F447=EN_INT | WalkOn selection tool |
| 647G1530=ALL_INT | 28U11 / 28U22 / 28U23 instructions for use |

Technical data



| Article number | Shoe size | Side | Height |
|----------------|-----------|-----------|--------|
| 28U11=L36-39 | 36 - 39 | left (L) | 35 cm |
| 28U11=R36-39 | 36 - 39 | right (R) | 35 cm |
| 28U11=L39-42 | 39 - 42 | left (L) | 36 cm |
| 28U11=R39-42 | 39 - 42 | right (R) | 36 cm |
| 28U11=L42-45 | 42 - 45 | left (L) | 37 cm |
| 28U11=R42-45 | 42 - 45 | right (R) | 37 cm |
| 28U11=L45-48 | 45 - 48 | left (L) | 39 cm |
| 28U11=R45-48 | 45 - 48 | right (R) | 39 cm |

Spare parts for 28U11



Calf pad

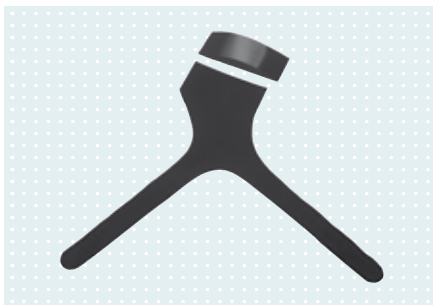
Reference number 623Z39

WalkOn calf pad

Technical data

| Article number | Side | Size |
|----------------|-----------|-------|
| 623Z39=L-N | left (L) | 36-48 |
| 623Z39=R-N | right (R) | 36-48 |

Accessory for 28U11



Lateral pronation strap

Reference number 28Z10

A 28Z10 pronation strap can be used as an additional option to counteract spastic supination of the foot.

Technical data

| Article number | Spare part/accessories for | For size |
|----------------|----------------------------|-----------|
| 28Z10 | 28U11 WalkOn | Universal |



WalkOn FIT KIT

Reference number 28T1N

A WalkOn FIT KIT can be used to test the function of the orthosis. It consists of four test orthoses including pads and a bag.

Technical data

| Article number | Accessories for | Side | Shoe size |
|----------------|-----------------|-----------------------|-----------|
| 28T1N | 28U11 WalkOn | left (L) right (R) | 36 - 48 |

Information material

| | |
|-----------------|-------------------------------------|
| 646D569=ALL_INT | 28T1N Information for practitioners |
|-----------------|-------------------------------------|



WalkOn Trimable

Reference number 28U23

Dynamic ankle-foot orthosis made of carbon, for lifting the foot and active energy return while walking.

Features and benefits

- Made of carbon fibre prepreg
 - Energy is stored and returned during the gait cycle
- Slim design
 - Inconspicuous to wear
- Trimable sole
 - Straightforward adaptation
- Low weight
 - High acceptance
- Two comfortable calf bands made of climate-regulating material
 - Skin-friendly padding, washable and exchangeable
- Medial guidance of the longitudinal arch by the pylon
 - Prevents supination in solid footwear
- Dorsal pylon/spring to calf band
 - Good control at heel strike and toe-off

Indications

- Drop foot caused by
 - Peroneal paralysis (paresis)
 - Stroke
 - Traumatic brain injury
 - Multiple sclerosis
 - Neural muscular atrophy

Modes of action

- Supports dorsiflexion
- Promotes dynamic rollover
- Increases the stride length by improving muscle dynamics
- Promotes exterior rotation of the foot at heel strike
- Promotes a physiological gait pattern
- Reduces the risk of falling

Information material

| | |
|------------------|---|
| 646D387=EN_INT | WalkOn line – information for practitioners |
| 646H14=ALL_INT | WalkOn line user information |
| 646D1249=EN_INT | Lower limb stroke information for practitioners |
| 646H15=EN_INT | Stroke user information |
| 646D792=EN_INT | Mobilisation following a stroke |
| 646F340=EN_INT | Stroke indication matrix |
| 646F447=EN_INT | WalkOn selection tool |
| 647G1530=ALL_INT | 28U11 / 28U22 / 28U23 instructions for use |

Technical data



| Article number | Shoe size | Side | Height |
|----------------|-----------|-----------|--------|
| 28U23=L36-39 | 36 - 39 | left (L) | 35 cm |
| 28U23=R36-39 | 36 - 39 | right (R) | 35 cm |
| 28U23=L39-42 | 39 - 42 | left (L) | 36 cm |
| 28U23=R39-42 | 39 - 42 | right (R) | 36 cm |
| 28U23=L42-45 | 42 - 45 | left (L) | 37 cm |
| 28U23=R42-45 | 42 - 45 | right (R) | 37 cm |
| 28U23=L45-48 | 45 - 48 | left (L) | 39 cm |
| 28U23=R45-48 | 45 - 48 | right (R) | 39 cm |

Spare parts for 28U23



Calf pad

Reference number 623Z39

WalkOn calf pad

Technical data

| Article number | Side | Size |
|----------------|-----------|-------|
| 623Z39=L-N | left (L) | 36-48 |
| 623Z39=R-N | right (R) | 36-48 |

Accessory for 28U23



Lateral pronation strap

Reference number 28Z10

A 28Z10 pronation strap can be used as an additional option to counteract spastic supination of the foot.

Technical data

| Article number | Spare part/accessories for | For size |
|----------------|----------------------------|-----------|
| 28Z10 | 28U23 WalkOn Trimable | Universal |



WalkOn FIT KIT

Reference number 28T1N

A WalkOn FIT KIT can be used to test the function of the orthosis. It consists of four test orthoses including pads and a bag.

Technical data

| Article number | Accessories for | Side | Shoe size |
|----------------|-----------------------|-----------------------|-----------|
| 28T1N | 28U23 WalkOn Trimable | left (L) right (R) | 36 - 48 |

Information material

646D569=ALL_INT

28T1N Information for practitioners



WalkOn Reaction

Reference number 28U24

Dynamic ankle-foot orthosis made of carbon, for lifting the foot with slight anterior support for the knee joint and for active energy return while walking.

Features and benefits

- Made of carbon fibre prepreg
 - Energy is stored and returned during the gait cycle
- Slim design
 - Inconspicuous to wear
- Trimable sole
 - Straightforward adaptation
- Low weight
 - High acceptance
- Shin pads with integrated closures made of climate-regulating material
 - Skin-friendly padding, washable and exchangeable
- Anterior support
 - Good control at heel strike and toe-off
- Lateral pronation strap
 - In conjunction with the lateral pronation strap, it is possible to reduce varus deviation of the foot and ankle and supination of the forefoot. This should always be supported by a corrective insole (included in the scope of delivery).

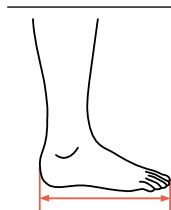
Indications

- Drop foot without or with moderate spasticity
- Minor impairment of the foot lowering musculature and minor impairment of knee extension

Modes of action

- Promotes a largely symmetrical and fluid physiological gait with support for knee extension and flexion, depending on what is needed
- Its energy return supports toe-off and heel strike
- Prevents uncontrolled foot contact and foot slap at heel strike and supports knee extension during toe-off
- Influences the statics in the frontal and sagittal plane when standing due to the alignment of the orthosis

Technical data



| Article number | Shoe size | Side | Height |
|----------------|-----------|-----------|---------|
| 28U24=L36-39 | 36 - 39 | left (L) | 33,3 cm |
| 28U24=R36-39 | 36 - 39 | right (R) | 33,3 cm |
| 28U24=L39-42 | 39 - 42 | left (L) | 35,5 cm |
| 28U24=R39-42 | 39 - 42 | right (R) | 35,5 cm |
| 28U24=L42-45 | 42 - 45 | left (L) | 37,7 cm |
| 28U24=R42-45 | 42 - 45 | right (R) | 37,7 cm |
| 28U24=L45-48 | 45 - 48 | left (L) | 40,0 cm |
| 28U24=R45-48 | 45 - 48 | right (R) | 40,0 cm |

Information material

| | |
|-----------------|---|
| 646D387=EN_INT | WalkOn line – information for practitioners |
| 646H14=ALL_INT | WalkOn line user information |
| 646D1249=EN_INT | Lower limb stroke information for practitioners |
| 646H15=EN_INT | Stroke user information |
| 646D792=EN_INT | Mobilisation following a stroke |
| 646F340=EN_INT | Stroke indication matrix |
| 646F447=EN_INT | WalkOn selection tool |
| 647G816=ALL_INT | 28U24/28U25 instructions for use |

Spare parts for 28U24



Lateral pronation strap

Reference number 28Z10

A 28Z10 pronation strap can be used as an additional option to counteract spastic supination of the foot.

Technical data

| Article number | Spare part/accessories for | For size |
|----------------|----------------------------|-----------|
| 28Z10 | 28U24 WalkOn Reaction | Universal |



Shin pad

Reference number 29U23

Shin pad for WalkOn Reaction and WalkOn Reaction plus

Technical data

| Article number | Spare part for | Size |
|----------------|-----------------------|-----------|
| 29U23 | 28U24 WalkOn Reaction | Universal |
| 29U23=1 | 28U24 WalkOn Reaction | Universal |



Pad incl. hook-and-loop closures

Reference number 29U24

Pad for 28U24 and 28U25 incl. hook-and-loop closures

Technical data

| Article number | Spare part for | Side | Size |
|----------------|----------------|-----------|---------|
| 29U24=L36-39 | 28U24=L36-39 | left (L) | 36 - 39 |
| 29U24=R36-39 | 28U24=R36-39 | right (R) | 36 - 39 |
| 29U24=L39-42 | 28U24=L39-42 | left (L) | 39 - 42 |
| 29U24=R39-42 | 28U24=R39-42 | right (R) | 39 - 42 |
| 29U24=L42-45 | 28U24=L42-45 | left (L) | 42 - 45 |
| 29U24=R42-45 | 28U24=R42-45 | right (R) | 42 - 45 |
| 29U24=L45-48 | 28U24=L45-48 | left (L) | 45 - 48 |
| 29U24=R45-48 | 28U24=R45-48 | right (R) | 45 - 48 |

NeuroRehabilitation

Lower limb



Y-hook-and-loop

Reference number 29U25

The Y-hook-and-loop is a spare part for the 28U24 and 28U25.

Technical data

| Article number | Spare part for | Size | Quantity unit |
|----------------|-----------------------|------|---------------|
| 29U25=1 | 28U24 WalkOn Reaction | 1 | Piece |
| 29U25=2 | 28U24 WalkOn Reaction | 2 | Piece |

Accessory for 28U24



WalkOn Reaction FIT KIT

Reference number 28T3

A WalkOn Reaction FIT KIT can be used to test the function of the orthosis. This consists of eight trial orthoses including pads and bags.

Technical data

| Article number | Accessories for | Side | Shoe size |
|----------------|-----------------------|-----------------------|-----------|
| 28T3 | 28U24 WalkOn Reaction | left (L) right (R) | 36 - 48 |

Information material

646D1392=ALL_INT 28T3 / 28T4 / 28T5
Information for
practitioners



WalkOn Reaction plus

Reference number 28U25

Dynamic ankle-foot orthosis made of carbon, for lifting the foot with anterior support for the knee joint and for active energy return while walking.

Features and benefits

- Made of carbon fibre prepreg
 - Energy is stored and returned during the gait cycle
- Slim design
 - Discreet to wear
- Trimable sole
 - Straightforward adaptation
- Lightweight
 - Promotes high user acceptance
- Shin pads with integrated closures made of climate-regulating material
 - Skin-friendly padding, washable and straightforward to change
- Anterior support
 - Good control at heel strike and toe-off
- Dyneema-reinforced spring
 - Increases the resistance of the orthosis
- Lateral pronation strap
 - In conjunction with the lateral pronation strap, it is possible to reduce varus deviation of the foot and ankle and supination of the forefoot. This should always be supported by a corrective insole (included in the scope of delivery).

Indications

- Drop foot, without or with mild to moderate spasticity
- Suitable in case of additional loss of the foot lowering musculature and/or slight to moderate weakness of the knee extensors (muscle strength level 3 according to Janda)
- Also suitable in case of foot deformities that can be corrected with the 28Z10 pronation strap and insoles.

Modes of action

- Enables a largely physiological gait with higher stiffness than the familiar WalkOn Reaction. This means that even more effective support for knee extension and flexion can be provided thanks to the more powerful spring force
- Its energy return supports toe-off and heel strike
- Prevents uncontrolled foot contact and foot slap at heel strike and supports knee extension during toe-off
- Influences the statics in the frontal and sagittal plane when standing due to the alignment of the orthosis

Information material

| | |
|-----------------|---|
| 646D387=EN_INT | WalkOn line – information for practitioners |
| 646H14=ALL_INT | WalkOn line user information |
| 646D1249=EN_INT | Lower limb stroke information for practitioners |
| 646H15=EN_INT | Stroke user information |
| 646D792=EN_INT | Mobilisation following a stroke |
| 646F340=EN_INT | Stroke indication matrix |
| 646F447=EN_INT | WalkOn selection tool |
| 647G816=ALL_INT | 28U24/28U25 instructions for use |

Technical data



| Article number | Shoe size | Side | Height |
|----------------|-----------|-----------|---------|
| 28U25=L36-39 | 36 - 39 | left (L) | 33,3 cm |
| 28U25=R36-39 | 36 - 39 | right (R) | 33,3 cm |
| 28U25=L39-42 | 39 - 42 | left (L) | 35,5 cm |
| 28U25=R39-42 | 39 - 42 | right (R) | 35,5 cm |
| 28U25=L42-45 | 42 - 45 | left (L) | 37,7 cm |
| 28U25=R42-45 | 42 - 45 | right (R) | 37,7 cm |
| 28U25=L45-48 | 45 - 48 | left (L) | 40,0 cm |
| 28U25=R45-48 | 45 - 48 | right (R) | 40,0 cm |

NeuroRehabilitation

Lower limb

Spare parts for 28U25



Lateral pronation strap

Reference number 28Z10

A 28Z10 pronation strap can be used as an additional option to counteract spastic supination of the foot.

Technical data

| Article number | Spare part/accessories for | For size |
|----------------|----------------------------|-----------|
| 28Z10 | 28U25 WalkOn Reaction plus | Universal |



Shin pad

Reference number 29U23

Shin pad for WalkOn Reaction and WalkOn Reaction plus

Technical data

| Article number | Spare part for | Size |
|----------------|----------------------------|-----------|
| 29U23 | 28U25 WalkOn Reaction plus | Universal |



Pad incl. hook-and-loop closures

Reference number 29U24

Pad for 28U24 and 28U25 incl. hook-and-loop closures

Technical data

| Article number | Spare part for | Side | Size |
|----------------|----------------|-----------|---------|
| 29U24=L36-39 | 28U25=L36-39 | left (L) | 36 - 39 |
| 29U24=R36-39 | 28U25=R36-39 | right (R) | 36 - 39 |
| 29U24=L39-42 | 28U25=L39-42 | left (L) | 39 - 42 |
| 29U24=R39-42 | 28U25=R39-42 | right (R) | 39 - 42 |
| 29U24=L42-45 | 28U25=L42-45 | left (L) | 42 - 45 |
| 29U24=R42-45 | 28U25=R42-45 | right (R) | 42 - 45 |
| 29U24=L45-48 | 28U25=L45-48 | left (L) | 45 - 48 |
| 29U24=R45-48 | 28U25=R45-48 | right (R) | 45 - 48 |



Y-hook-and-loop

Reference number 29U25

Technical data

| Article number | Spare part for | Size | Quantity unit |
|----------------|----------------------------|------|---------------|
| 29U25=1 | 28U25 WalkOn Reaction plus | 1 | Piece |
| 29U25=2 | 28U25 WalkOn Reaction plus | 2 | Piece |

Accessory for 28U25



WalkOn Reaction plus FIT KIT

Reference number 28T4

A WalkOn Reaction FIT KIT can be used to test the function of the orthosis. It consists of eight test orthoses including pads and a bag.

Technical data

| Article number | Accessories for | Side | Shoe size |
|----------------|----------------------------|-----------------------|-----------|
| 28T4 | 28U25 WalkOn Reaction plus | left (L) right (R) | 36-48 |

Information material

646D1392=ALL_INT 28T3 / 28T4 / 28T5
Information for
practitioners



WalkOn Reaction junior

Reference number 28U25

Dynamic ankle-foot orthosis made of carbon for children.

Features and benefits

- Highly dynamic characteristics
 - More control when walking
- Low weight and open heel
 - High wearer comfort
- Open heel and anatomically designed frontal support element
 - No pressure points
- Shin pad
 - Better compliance
- Combination with additional dynamic ankle-foot orthoses (DAFOs) possible
 - Enhanced functions
- All fabric parts can be washed and replaced
 - Hygienic

Indications

- Infantile cerebral palsy
- Drop foot, without or with mild to moderate spasticity
- Hemiparesis
- Diparesis

Modes of action

- Supports dorsiflexion
- Promotes dynamic rollover
- Increases the stride length by improving muscle dynamics
- Promotes exterior rotation of the foot at heel strike
- Promotes a physiological gait pattern
- Reduces the risk of falling

Information material

| | |
|-----------------|--|
| 646D1128=EN_INT | WalkOn Reaction junior information for practitioners |
| 646D387=EN_INT | WalkOn line – information for practitioners |
| 646H14=ALL_INT | WalkOn line user information |
| 646D1249=EN_INT | Lower limb stroke information for practitioners |
| 647G816=ALL_INT | 28U24/28U25 instructions for use |

Technical data



| Article number | Shoe size | Side | Height |
|----------------|-----------|-----------|---------|
| 28U25=L24-27 | 24 - 27 | left (L) | 20,5 cm |
| 28U25=R24-27 | 24 - 27 | right (R) | 20,5 cm |
| 28U25=L27-30 | 27 - 30 | left (L) | 24,5 cm |
| 28U25=R27-30 | 27 - 30 | right (R) | 24,5 cm |
| 28U25=L30-33 | 30 - 33 | left (L) | 27,0 cm |
| 28U25=R30-33 | 30 - 33 | right (R) | 27,0 cm |
| 28U25=L33-36 | 33 - 36 | left (L) | 29,4 cm |
| 28U25=R33-36 | 33 - 36 | right (R) | 29,4 cm |

Spare parts for 28U25



Pad incl. hook-and-loop closures

Reference number 29U24

The Y-hook-and-loop is a spare part for the 28U24 and 28U25.

Technical data

| Article number | Spare part for | Side | Size |
|----------------|----------------|-----------|---------|
| 29U24=L24-27 | 28U25=L24-27 | left (L) | 24 - 27 |
| 29U24=R24-27 | 28U25=R24-27 | right (R) | 24 - 27 |
| 29U24=L27-30 | 28U25=L27-30 | left (L) | 27 - 30 |
| 29U24=R27-30 | 28U25=R27-30 | right (R) | 27 - 30 |
| 29U24=L30-33 | 28U25=L30-33 | left (L) | 30 - 33 |
| 29U24=R30-33 | 28U25=R30-33 | right (R) | 30 - 33 |
| 29U24=L33-36 | 28U25=L33-36 | left (L) | 33 - 36 |
| 29U24=R33-36 | 28U25=R33-36 | right (R) | 33 - 36 |

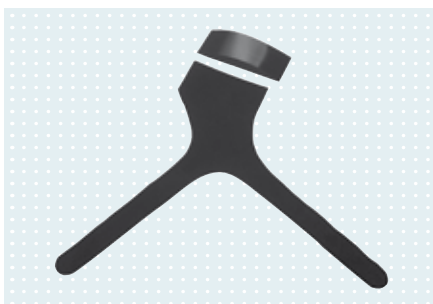


Y-hook-and-loop

Reference number 29U25

Technical data

| Article number | Spare part for | Size | Quantity unit |
|----------------|------------------------------|------|---------------|
| 29U25=1 | 28U25 WalkOn Reaction junior | 1 | Piece |
| 29U25=2 | 28U25 WalkOn Reaction junior | 2 | Piece |



Lateral pronation strap

Reference number 28Z10

A 28Z10 pronation strap can be used as an additional option to counteract spastic supination of the foot.

Technical data

| Article number | Spare part/accessories for | For size |
|----------------|------------------------------|-----------|
| 28Z10=1 | 28U25 WalkOn Reaction junior | Universal |

Accessory for 28U25



WalkOn Reaction junior FIT KIT

Reference number 28T5

A WalkOn Reaction junior FIT KIT can be used to test the function of the orthosis. This consists of eight trial orthoses including pads and bags.

Technical data

| Article number | Accessories for | Side | Shoe size |
|----------------|------------------------------|-----------------------|-----------|
| 28T5 | 28U25 WalkOn Reaction junior | left (L) right (R) | 24-36 |

Information material

| | |
|------------------|--|
| 646D1392=ALL_INT | 28T3 / 28T4 / 28T5 Information for practitioners |
|------------------|--|

NeuroRehabilitation

Lower limb – FES selection guide

Functional electrical stimulation

The L100 Go and L300 Go were designed for users with drop foot and are based on the principle of functional electrical stimulation (FES). The L300 Go also provides support for instability of the knee. Depending on the user's needs, the L300 Go is available as an independent lower leg system, as a combined lower leg and thigh system and as an independent thigh system that uses a foot sensor. The L300 Go stimulates on two channels, while the L100 Go system is available as an independent lower leg system with single-channel stimulation.

To determine which system is suitable for your patient, please complete the following four steps.

1 Anamnesis

- Examine the patient closely and speak with them about their expectations. Determine whether they had any prior device and, if so, what type.

This will reveal the following aspects:

Has the patient had any previous orthotic device? Were they satisfied/dissatisfied with this device?

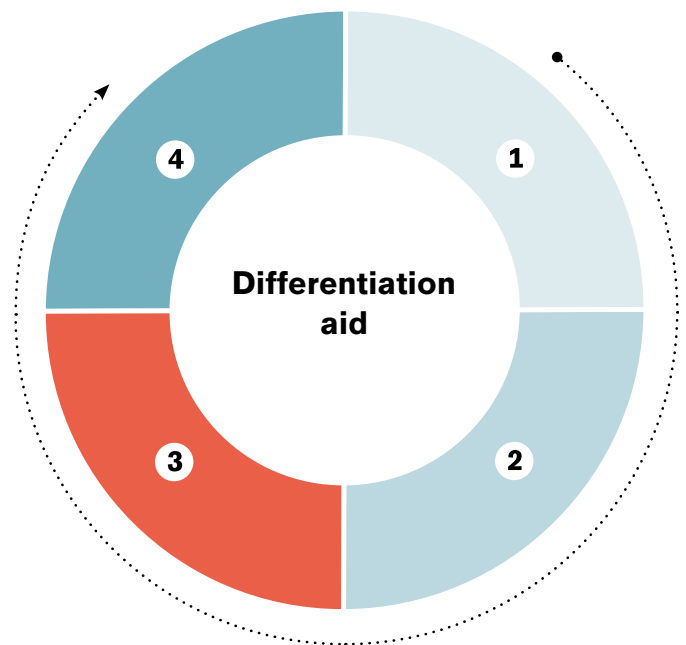
If the patient has been treated with FES before, did they have a good experience with it, and are they able to use an FES system? This will determine whether an FES system is appropriate for them in principle.

Has the patient not yet been treated with FES, and were they previously treated with an ankle-foot orthosis?

You will first need to test whether the patient responds to FES at all.

2 Muscle status measurement according to Janda

- Measure your patient's muscle strength and determine whether there is isolated dorsiflexion weakness or whether other muscle groups are also affected, such as the plantar flexors.
- Possible result A:
 - Only the dorsiflexion muscles are affected – there is a relatively high likelihood that the L100 Go single-channel system will function satisfactorily. A functional test and gait check will be needed to indicate whether the L100 Go is sufficient as a treatment option.
- Possible result B:
 - Several muscle groups are affected, which means dorsiflexion will not be sufficient for a physiological gait pattern on its own. As a result, eversion and dorsiflexion can be controlled separately using the two-channel system. A functional test and gait check will be needed to indicate whether the L300 Go is the right treatment option. If other muscle groups that impair the knee-extending or knee-flexing musculature are affected and, for example, trigger a genu recurvatum, an upper leg cuff can also be used to produce a proper gait pattern (L300 Go Upgrade system).



3 Functional test

- You do not need both systems to test and make a distinction between the L100 Go and L300 Go. Simply put an L300 Go with Quick Fit electrodes on the patient, and if you can stimulate physiological dorsiflexion while the patient is walking, the L100 Go single-channel system should be the right device.

4 Result

- Insufficient dorsiflexion is still present if the foot deviates medially or laterally in the swing phase and there is a danger of a supination trauma during heel strike. Furthermore, there should be no negative impact on a neutral knee position in A-P in the area of the knee joint during walking and standing. However, if you observe any of the aforementioned, the L300 Go should always be used. The major advantage of the L300 Go is the differentiated control of the muscles, which also allows compensation for deviations in the frontal plane in the foot. We also recommend considering the addition or application of an Upgrade system, which can optionally influence the knee-flexing or knee-extending musculature.



L100 Go System

Reference number 28FS100

The L100 Go was designed for users with drop foot and is based on the principle of functional electrical stimulation. Stimulation takes place via one channel.

Features and benefits

- User app for control and activity measurement
 - Easy handling
- 3D motion detection in real time
 - Reliable stimulation at the right time
- Easy to put on with one hand
 - Reliable application for the patient
- Electrode connections marked in colour
 - Reliable application for the technician/therapist and patient
- Textile electrodes for moistening
 - Easy handling and positioning
- Integrated 10 m walking test
 - Outcome and results can be analysed
- Intuitive fitting
 - Reliable application for the technician/therapist and patient

Indications

- Drop foot caused by
 - Peroneal paralysis (paresis)
 - Stroke
 - Traumatic brain injury
 - Multiple sclerosis
 - Neural muscular atrophy

Modes of action

- An electrical stimulation impulse causes the dorsiflexion musculature to contract, lifting the foot during the swing phase

Information material

| | |
|-----------------|---|
| 646D1249=EN_INT | Lower limb stroke information for practitioners |
| 646D1243=EN_INT | FES information for practitioners |
| 646H15=EN_INT | Stroke user information |
| 646D792=EN_INT | Mobilisation following a stroke |
| 646F340=EN_INT | Stroke indication matrix |
| 647G1428=EN | L100 Go system quick reference guide |
| 647G1427=EN | L100 Go system instructions for use (user) |

Exclusive Distributor for



Technical data

| Article number | Side | Lower leg circumference |
|----------------|-----------|-------------------------|
| 28FS100=L | left (L) | 29-51 cm |
| 28FS100=R | right (R) | 29-51 cm |

NeuroRehabilitation

Lower limb

Spare parts for 28FS100



L100 Go cuff

Reference number 28FS100S

The cuff is a spare part for the L100 Go.

Technical data

| Article number | Side |
|-------------------|-----------|
| 28FS100S=LG1-5X01 | left (L) |
| 28FS100S=LG1-5Y01 | right (R) |



Quick fit electrode

Reference number 28FS300S

The quick fit electrode is used as a spare part for L300 Go and L100 Go.

Technical data

| Article number | Side |
|-------------------|-----------|
| 28FS300S=LG4-1100 | left (L) |
| 28FS300S=LG4-1000 | right (R) |



Round textile electrode

Reference number 28FS300S

The round textile electrode is used as a spare part for the L300 Go and L100 Go.

Technical data

| Article number | Size | Diameter |
|-------------------|-------|----------|
| 28FS300S=LG3-6600 | 36 mm | 36 mm |
| 28FS300S=LG3-4V00 | 45 mm | 45 mm |



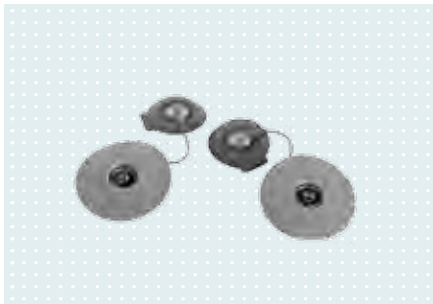
Hydrogel electrode

Reference number 28FS300S

The hydrogel electrode is used as a spare part for the L300 Go and L100 Go.

Technical data

| Article number | Size |
|-------------------|-------|
| 28FS300S=LG3-5F00 | 45 mm |
| 28FS300S=LG3-6700 | 36 mm |



Textile electrode adapter set, 45 mm

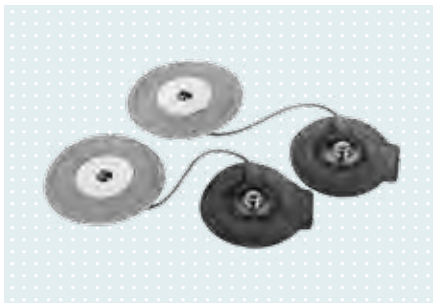
Reference number 28FS300S=LG4-4U00

The textile electrode adapter set is a spare part for the L300 Go and L100 Go.

Technical data

Article number

28FS300S=LG4-4U00



Hydrogel electrode adapter set, 45 mm

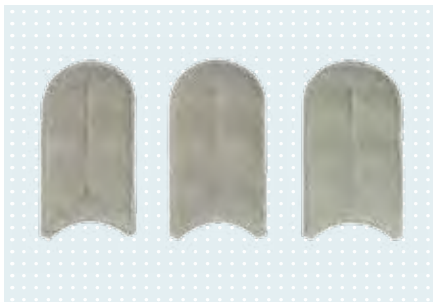
Reference number 28FS300S=LG4-5E00

The hydrogel electrode adapter set is used as a spare part for the L300 Go and L100 Go.

Technical data

Article number

28FS300S=LG4-5E00



Cable cover (for adapter sets)

Reference number 28FS300S=LG3-5L00

The cable cover for the adapter set is used as a spare part for the L300 Go and L100 Go.

Technical data

Article number

28FS300S=LG3-5L00



Magnetic charging cable

Reference number 28FS300S=LG4-7100

The magnetic charging cable is used as a spare part for the L300 Go and L100 Go.

Technical data

Article number

28FS300S=LG4-7100



System charger with charging adapters

Reference number 28FS300S=LG4-7200

The system charger with charging adapters is a spare part for the L300 Go and L100 Go.

Technical data

Article number

28FS300S=LG4-7200



Stimulator/EPG

Reference number 28FS300S=LG4-5300

The stimulator/ EPG is a spare part for the L300 Go and L100 Go.

Technical data

Article number

28FS300S=LG4-5300



L300 Go system

Reference number 28FS300

The L300 Go system is a multi-channel system. This version is a useful treatment option for users for whom adequate dorsiflexion is not possible with single-channel stimulation and who also have instability of the knee or weak thigh muscles.

Features and benefits

- Intuitive fitting
 - Reliable application for the technician/therapist and patient
- Easy to put on with one hand
 - Reliable application for the patient
- 3D motion detection in real time
 - Reliable stimulation at the right time
- User app for control and activity measurement
 - Remote control and heel switch are only required as an option
- Integrated 10 m walking test
 - Outcome and results can be analysed
- Thigh stimulator optionally available in two versions
 - Knee instabilities in the sagittal plane can be treated with or without the L300 Go
- Textile electrodes for moistening
 - Easy handling and positioning
- Various electrode designs
 - Better results due to more precise stimulation
- Electrode connections marked in colour
 - Safe and easy for patient to use

Indications

- Drop foot caused by
 - Peroneal paralysis (paresis)
 - Stroke
 - Traumatic brain injury
 - Multiple sclerosis
 - Neural muscular atrophy

Modes of action

- An electrical stimulation impulse causes the dorsiflexion musculature to contract, lifting the foot during the swing phase

Information material

| | |
|-----------------|---|
| 646D1249=EN_INT | Lower limb stroke information for practitioners |
| 646D1243=EN_INT | FES information for practitioners |
| 646H15=EN_INT | Stroke user information |
| 646D792=EN_INT | Mobilisation following a stroke |
| 646F340=EN_INT | Stroke indication matrix |
| 647G1363=EN | L300 Go system quick reference guide (user) |
| 647G2004=EN | L300 Go system instructions for use (user) |
| 647G2005=EN | L300 Go system instructions for use (practitioners) |

Exclusive Distributor for



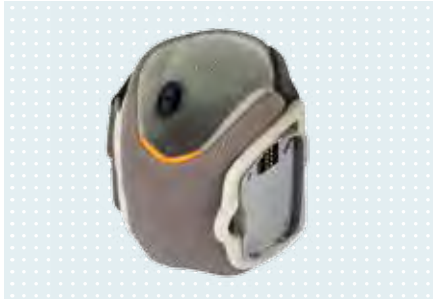
Technical data

| Article number | For size | Side | Lower leg circumference |
|----------------|----------|-----------|-------------------------|
| 28FS300=L-S | S | left (L) | 22-31 cm |
| 28FS300=R-S | S | right (R) | 22-31 cm |
| 28FS300=L-L | L | left (L) | 29-51 cm |
| 28FS300=R-L | L | right (R) | 29-51 cm |

NeuroRehabilitation

Lower limb

Spare parts for 28FS300



Lower leg cuff

Reference number 28FS300S

The lower leg cuff is a spare part for the L300 Go.

Technical data

| Article number | Side | For size |
|-------------------|-----------|----------|
| 28FS300S=LG4-6200 | left (L) | S |
| 28FS300S=LG4-6100 | right (R) | S |
| 28FS300S=LG4-5800 | left (L) | L |
| 28FS300S=LG4-5700 | right (R) | L |



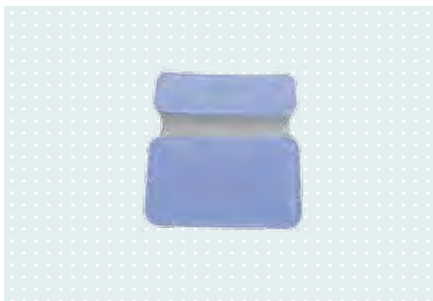
Quick fit electrode

Reference number 28FS300S

The quick fit electrode is used as a spare part for L300 Go and L100 Go.

Technical data

| Article number | Side |
|-------------------|-----------|
| 28FS300S=LG4-1100 | left (L) |
| 28FS300S=LG4-1000 | right (R) |



Small quick fit electrode

Reference number 28FS300S

The small Quick Fit electrode serves as a spare part for size S of the L300 Go.

Technical data

| Article number | Description |
|-------------------|--|
| 28FS300S=LG3-6800 | Small quick fit electrode A (standard) |
| 28FS300S=LG3-6900 | Small quick fit electrode B |



Steering electrode

Reference number 28FS300S

The steering electrode is used as a spare part for the L300 Go.

Technical data

| Article number | Side |
|-------------------|-----------|
| 28FS300S=SCE-1100 | left (L) |
| 28FS300S=SCE-1000 | right (R) |



Round textile electrode

Reference number 28FS300S

The round textile electrode is used as a spare part for the L300 Go and L100 Go.

Technical data

| Article number | Size | Diameter |
|-------------------|-------|----------|
| 28FS300S=LG3-6600 | 36 mm | 36 mm |
| 28FS300S=LG3-4V00 | 45 mm | 45 mm |



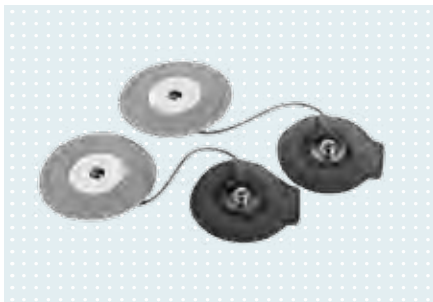
Hydrogel electrode

Reference number 28FS300S

The hydrogel electrode is used as a spare part for the L300 Go and L100 Go.

Technical data

| Article number | Size |
|-------------------|-------|
| 28FS300S=LG3-5F00 | 45 mm |
| 28FS300S=LG3-6700 | 36 mm |



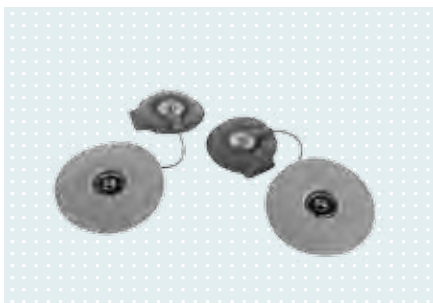
Hydrogel electrode adapter set, 45 mm

Reference number 28FS300S=LG4-5E00

The hydrogel electrode adapter set is used as a spare part for the L300 Go and L100 Go.

Technical data

| Article number |
|-------------------|
| 28FS300S=LG4-5E00 |



Textile electrode adapter set, 45 mm

Reference number 28FS300S=LG4-4U00

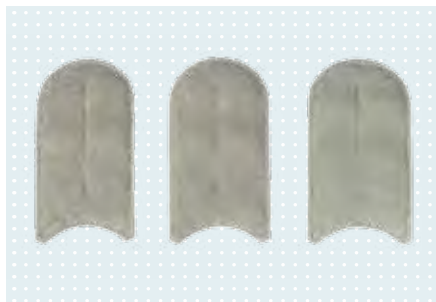
The textile electrode adapter set is a spare part for the L300 Go and L100 Go.

Technical data

| Article number |
|-------------------|
| 28FS300S=LG4-4U00 |

NeuroRehabilitation

Lower limb



Cable cover (for adapter sets)

Reference number 28FS300S=LG3-5L00

The cable cover for the adapter set is used as a spare part for the L300 Go and L100 Go.

Technical data

| Article number |
|-------------------|
| 28FS300S=LG3-5L00 |



Stimulator/EPG

Reference number 28FS300S=LG4-5300

The stimulator/ EPG is a spare part for the L300 Go and L100 Go.

Technical data

| Article number |
|-------------------|
| 28FS300S=LG4-5300 |



Lower leg FS strap

Reference number 28FS300S

The lower leg strap is a used as a spare part for the L300 Go.

Technical data

| Article number | For size |
|-------------------|-----------|
| 28FS300S=LG4-5S00 | Universal |
| 28FS300S=LG4-5900 | S |
| 28FS300S=LG4-5A00 | M |
| 28FS300S=LG4-5B00 | L |
| 28FS300S=LG4-6300 | XS |
| 28FS300S=LG4-6400 | XXS |



Strap cover, lower leg cuff

Reference number 28FS300S=LG3-4A00

The strap covers for the lower leg cuff are accessories for the L100 Go and L300 Go.

Technical data

| Article number | Package contents |
|-------------------|------------------|
| 28FS300S=LG3-4A00 | 20 pieces |



Inlays

Reference number 28FS300S

The inlays are spare parts for the L300 Go and L100 Go.

Technical data

| Article number | Size | Side |
|-------------------|----------|-----------|
| 28FS300S=LG3-6A10 | small | right (R) |
| 28FS300S=LG3-6B10 | small | left (L) |
| 28FS300S=LG4-4R00 | Standard | right (R) |
| 28FS300S=LG4-4T00 | Standard | left (L) |

• The illustration shows the standard size.



Magnetic charging cable

Reference number 28FS300S=LG4-7100

The magnetic charging cable is used as a spare part for the L300 Go and L100 Go.

Technical data

| Article number |
|-------------------|
| 28FS300S=LG4-7100 |



Carrying strap for remote control

Reference number 28FS300S=20-0005

The neck strap is used as a spare part for the remote control of the L300 Go.

Technical data

| Article number |
|------------------|
| 28FS300S=20-0005 |



System charger with charging adapters

Reference number 28FS300S=LG4-7200

The system charger with charging adapters is a spare part for the L300 Go and L100 Go.

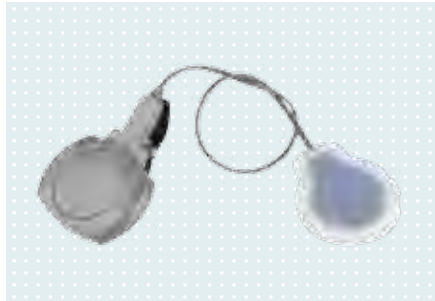
Technical data

| Article number |
|-------------------|
| 28FS300S=LG4-7200 |

NeuroRehabilitation

Lower limb

Accessory for 28FS300



Foot sensor

Reference number 28FS300A

The foot sensor is available in a standard and a long version, and serves as a spare part for the L300 Go.

Technical data

| Article number | Size |
|-------------------|----------|
| 28FS300A=LG4-5400 | Standard |
| 28FS300A=LG4-5500 | Long |



Adhesive pads for foot sensor

Reference number 28FS300A=LG3-5K00

The adhesive pads for the foot sensor are a spare part for the L300 Go.

Technical data

| Article number | Package contents |
|-------------------|------------------|
| 28FS300A=LG3-5K00 | 2 pieces |



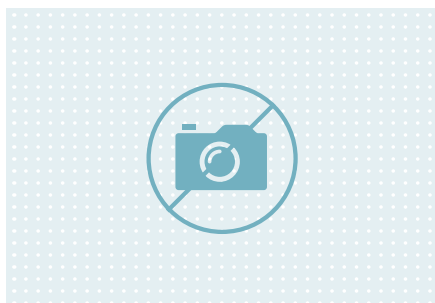
Remote control

Reference number 28FS300A=LG4-5200

The remote control is used as a spare part for the L300 Go.

Technical data

| Article number |
|-------------------|
| 28FS300A=LG4-5200 |



Protective cover for remote control

Reference number 28FS300A=LG4-5201

The protective cover for the remote control serves as a spare part for the L300 Go.

Technical data

| Article number |
|-------------------|
| 28FS300A=LG4-5201 |



L300 Go System Plus Upgrade

Reference number 28KS300

The L300 Go Plus Upgrade is used in combination with the L300 Go and offers additional support for knee instability and weakness of the thigh muscles.

Features and benefits

- User app for control and activity measurement
 - Remote control and heel switch are only required as an option
- 3D motion detection in real time
 - Reliable stimulation at the right time
- Easy to put on with one hand
 - Reliable application for the patient
- Electrode connections marked in colour
 - Safe and easy for patient to use
- Textile electrodes for moistening
 - Easy handling and positioning
- Integrated 10 m walking test
 - Outcome and results can be analysed
- Intuitive fitting
 - Reliable application for the technician/therapist and patient
- Various electrode designs
 - Better results due to more precise stimulation

Indications

- Drop foot in case of
 - Stroke
 - Traumatic brain injury
 - Multiple sclerosis
 - Neural muscular atrophy

Modes of action

- An electrical stimulation impulse causes the knee-extending or knee-flexing musculature to contract, stabilising the knee

Technical data

| Article number | For size | Side | Upper thigh circumference | Lower thigh circumference |
|----------------|----------|-----------|---------------------------|---------------------------|
| 28KS300=L-L | L | left (L) | 53-85 cm | 33-50 cm |
| 28KS300=R-L | L | right (R) | 53-85 cm | 33-50 cm |

Information material

| | |
|-----------------|--|
| 646D1249=EN_INT | Lower limb stroke information for practitioners |
| 646D1243=EN_INT | FES information for practitioners |
| 646H15=EN_INT | Stroke user information |
| 646D792=EN_INT | Mobilisation following a stroke |
| 646F340=EN_INT | Stroke indication matrix |
| 647G1365=EN | L300 Go Plus Upgrade and L300 Go Stand Alone quick reference guide (user) |
| 647G1364=EN | L300 Go Plus Upgrade and L300 Go Stand Alone quick reference guide (practitioners) |
| 647G1363=EN | L300 Go system quick reference guide (user) |
| 647G2004=EN | L300 Go system instructions for use (user) |
| 647G2005=EN | L300 Go system instructions for use (practitioners) |

Exclusive Distributor for



NeuroRehabilitation

Lower limb

Spare parts for 28KS300



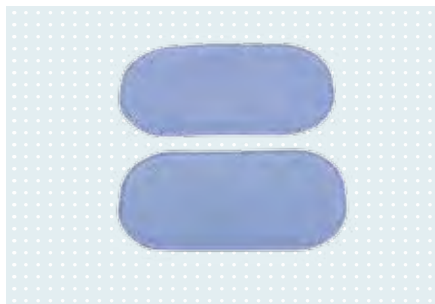
Thigh cuff

Reference number 28KS300S

The thigh cuff is used as a spare part for the L300 Go.

Technical data

| Article number | Side |
|-------------------|-----------|
| 28KS300S=L4P-5400 | left (L) |
| 28KS300S=L4P-5500 | right (R) |



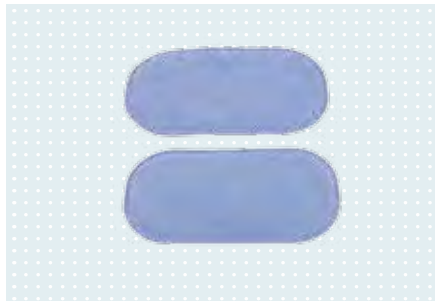
Textile electrode for thigh, offset

Reference number 28KS300S=L3P-5D00

The offset textile electrodes are options for the L300 Go System Plus Upgrade and Stand Alone.

Technical data

| Article number |
|-------------------|
| 28KS300S=L3P-5D00 |



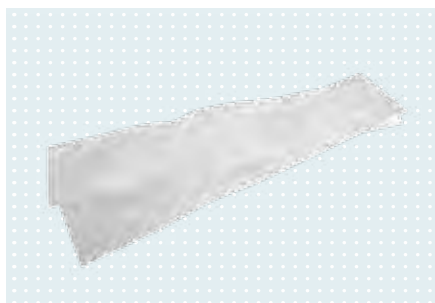
Textile electrode for thigh, central

Reference number 28KS300S=L4P-5D00

The central textile electrode is an option for the L300 Go System Plus Upgrade and Stand Alone.

Technical data

| Article number |
|-------------------|
| 28KS300S=L4P-5D00 |



Strap cover, thigh cuff

Reference number 28KS300S=L4P-4A00

The strap covers for the thigh are used as spare parts for the L300 Go.

Technical data

| Article number | Package contents |
|-------------------|------------------|
| 28KS300S=L4P-4A00 | 10 pieces |



Strap holder for thigh cuff

Reference number 28KS300S=L4P-8200

The strap holder for the thigh cuff is used as an option for the L300 Go System Plus Upgrade and Stand Alone.

Technical data

Article number

28KS300S=L4P-8200



Thigh strap incl. buckles

Reference number 28KS300S

The thigh strap set is used as a spare part for the L300 Go System Plus Upgrade and Stand Alone.

Technical data

Article number

28KS300S=L4P-7000

28KS300S=L4P-7100

28KS300S=L4P-7200

Size

small

medium

large



Stimulator/EPG, peripher

Reference number 28KS300S=L4P-5300

Technical data

Article number

28KS300S=L4P-5300



Magnetic charging cable

Reference number 28FS300S=LG4-7100

The magnetic charging cable is used as a spare part for the L300 Go and L100 Go.

Technical data

Article number

28FS300S=LG4-7100



L300 Go System Plus Stand Alone

Reference number 28KS310

The L300 Go System Plus Stand Alone consists of the thigh system. The system offers support for knee instability and weakness of the thigh muscles.

Features and benefits

- User app for control and activity measurement
 - Remote control and heel switch are only required as an option
- 3D motion detection in real time
 - Reliable stimulation at the right time
- Easy to put on with one hand
 - Reliable application for the patient
- Electrode connections marked in colour
 - Safe and easy for patient to use
- Textile electrodes for moistening
 - Easy handling and positioning
- Integrated 10 m walking test
 - Outcome and results can be analysed
- Intuitive fitting
 - Reliable application for the technician/therapist and patient
- Various electrode designs
 - Better results due to more precise stimulation

Indications

- Drop foot in case of
 - Stroke
 - Traumatic brain injury
 - Multiple sclerosis
 - Neural muscular atrophy

Modes of action

- An electrical stimulation impulse causes the knee-extending or knee-flexing musculature to contract, stabilising the knee

Information material

| | |
|-----------------|--|
| 646D1249=EN_INT | Lower limb stroke information for practitioners |
| 646D1243=EN_INT | FES information for practitioners |
| 646H15=EN_INT | Stroke user information |
| 646D792=EN_INT | Mobilisation following a stroke |
| 646F340=EN_INT | Stroke indication matrix |
| 647G1365=EN | L300 Go Plus Upgrade and L300 Go Stand Alone quick reference guide (user) |
| 647G1364=EN | L300 Go Plus Upgrade and L300 Go Stand Alone quick reference guide (practitioners) |
| 647G1363=EN | L300 Go system quick reference guide (user) |
| 647G2004=EN | L300 Go system instructions for use (user) |
| 647G2005=EN | L300 Go system instructions for use (practitioners) |

Technical data

| Article number | Side |
|----------------|-----------|
| 28KS310=L-L | left (L) |
| 28KS310=R-L | right (R) |

Exclusive Distributor for



Spare parts for 28KS310



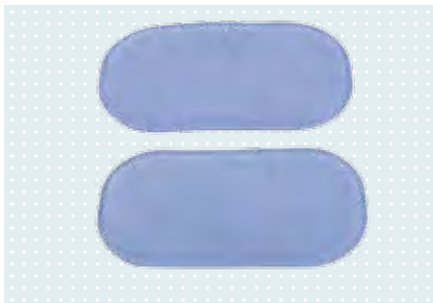
Thigh cuff

Reference number 28KS300S

The thigh cuff is used as a spare part for the L300 Go.

Technical data

| Article number | Side |
|-------------------|-----------|
| 28KS300S=L4P-5400 | left (L) |
| 28KS300S=L4P-5500 | right (R) |



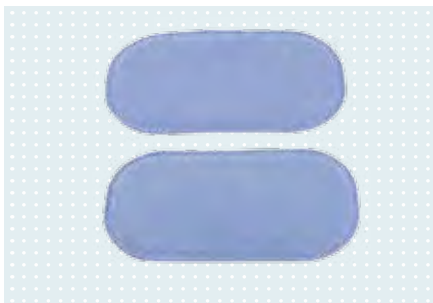
Textile electrode for thigh, offset

Reference number 28KS300S=L3P-5D00

The offset textile electrodes are options for the L300 Go System Plus Upgrade and Stand Alone.

Technical data

| Article number |
|-------------------|
| 28KS300S=L3P-5D00 |



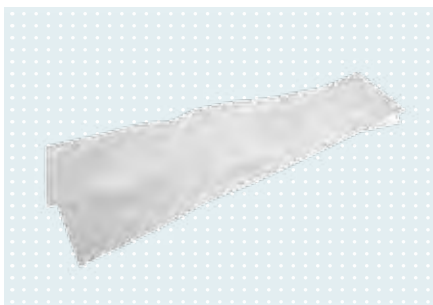
Textile electrode for thigh, central

Reference number 28KS300S=L4P-5D00

The central textile electrode is an option for the L300 Go System Plus Upgrade and Stand Alone.

Technical data

| Article number |
|-------------------|
| 28KS300S=L4P-5D00 |



Strap cover, thigh cuff

Reference number 28KS300S=L4P-4A00

The strap covers for the thigh are used as spare parts for the L300 Go.

Technical data

| Article number | Package contents |
|-------------------|------------------|
| 28KS300S=L4P-4A00 | 10 pieces |

NeuroRehabilitation

Lower limb



Strap holder for thigh cuff

Reference number 28KS300S=L4P-8200

The strap holder for the thigh cuff is used as an option for the L300 Go System Plus Upgrade and Stand Alone.

Technical data

Article number

28KS300S=L4P-8200



Thigh strap incl. buckles

Reference number 28KS300S

The thigh strap set is used as a spare part for the L300 Go System Plus Upgrade and Stand Alone.

Technical data

Article number

28KS300S=L4P-7000

28KS300S=L4P-7100

28KS300S=L4P-7200

Size

small

medium

large



Stimulator/EPG

Reference number 28FS300S=LG4-5300

The stimulator/ EPG is a spare part for the L300 Go and L100 Go.

Technical data

Article number

28FS300S=LG4-5300



Magnetic charging cable

Reference number 28FS300S=LG4-7100

The magnetic charging cable is used as a spare part for the L300 Go and L100 Go.

Technical data

Article number

28FS300S=LG4-7100

Accessory for 28KS310



Foot sensor

Reference number 28FS300A

The foot sensor is available in a standard and a long version, and serves as a spare part for the L300 Go.

Technical data

| Article number | Size |
|-------------------|----------|
| 28FS300A=LG4-5400 | Standard |
| 28FS300A=LG4-5500 | Long |



Adhesive pads for foot sensor

Reference number 28FS300A=LG3-5K00

The adhesive pads for the foot sensor are a spare part for the L300 Go.

Technical data

| Article number | Package contents |
|-------------------|------------------|
| 28FS300A=LG3-5K00 | 2 pieces |



Clinician's programmer kit

Reference number 28FS300=PROGRAMMER

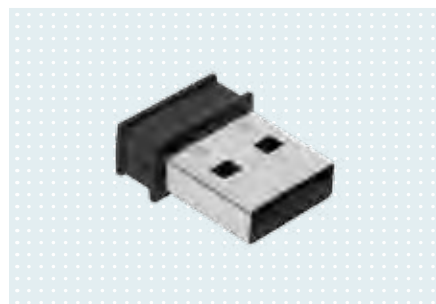
The L300 Go clinician's programmer kit is used to carry out the individual L300 Go settings for the patient.

Technical data

Article number

28FS300=PROGRAMMER

Spare parts for 28FS300=PROGRAMMER



Bluetooth dongle

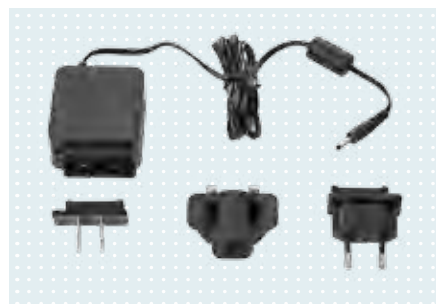
Reference number 28FS300S=LG4-BT01

The Bluetooth dongle is used as a spare part for the L300 Go and L100 Go.

Technical data

Article number

28FS300S=LG4-BT01



Clinician's programmer charger + adapter

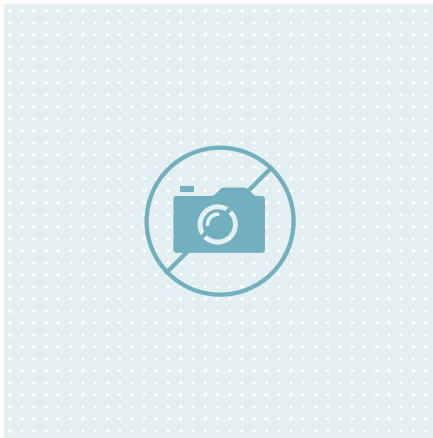
Reference number 28PS200S=20-0014

The charger and the adapter are spare parts for the clinician programmer.

Technical data

Article number

28PS200S=20-0014



Clinical kit/basic equipment for professionals

Reference number 28FS300=CLINICKIT

The clinical kit is used to identify patients for whom the L100 Go or L300 Go is a suitable fitting solution.

Technical data

Article number

28FS300=CLINICKIT

Spare parts for 28FS300=CLINICKIT



Fitting cable

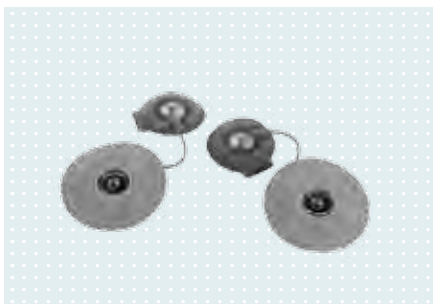
Reference number 28FS300S=LG3-4900

The fitting cable is a spare part for the L300 Go and L100 Go.

Technical data

Article number

28FS300S=LG3-4900



Textile electrode adapter set, 45 mm

Reference number 28FS300S=LG4-4U00

The textile electrode adapter set is a spare part for the L300 Go and L100 Go.

Technical data

Article number

28FS300S=LG4-4U00



Strap cover, lower leg cuff

Reference number 28FS300S=LG3-4A00

The strap covers for the lower leg cuff are accessories for the L100 Go and L300 Go.

Technical data

Article number

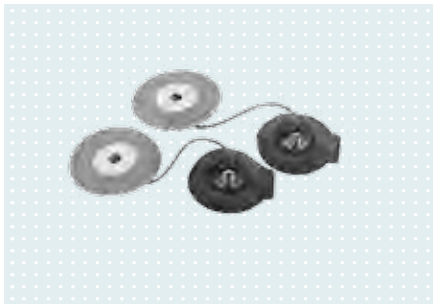
28FS300S=LG3-4A00

Package contents

20 pieces

NeuroRehabilitation

Lower limb



Hydrogel electrode adapter set, 45 mm

Reference number 28FS300S=LG4-5E00

The hydrogel electrode adapter set is used as a spare part for the L300 Go and L100 Go.

Technical data

Article number

28FS300S=LG4-5E00



Inlays

Reference number 28FS300S

The inlays are spare parts for the L300 Go and L100 Go.

Technical data

| Article number | Size | Side |
|-------------------|----------|-----------|
| 28FS300S=LG3-6A10 | small | right (R) |
| 28FS300S=LG3-6B10 | small | left (L) |
| 28FS300S=LG4-4R00 | Standard | right (R) |
| 28FS300S=LG4-4T00 | Standard | left (L) |

• The illustration shows the standard size.



Cable cover (for adapter sets)

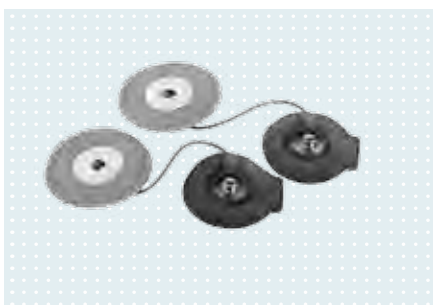
Reference number 28FS300S=LG3-5L00

The cable cover for the adapter set is used as a spare part for the L300 Go and L100 Go.

Technical data

Article number

28FS300S=LG3-5L00



Small electrode adapter set, 36 mm

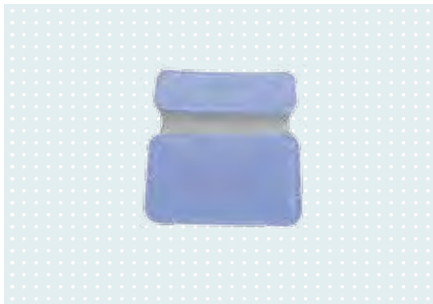
Reference number 28FS300S=LG3-6500

The small electrode adapter set is used as a spare part for the L300 Go and L100 Go.

Technical data

Article number

28FS300S=LG3-6500



Small quick fit electrode

Reference number 28FS300S

The small Quick Fit electrode serves as a spare part for size S of the L300 Go.

Technical data

| Article number | Description |
|-------------------|--|
| 28FS300S=LG3-6800 | Small quick fit electrode A (standard) |
| 28FS300S=LG3-6900 | Small quick fit electrode B |



Quick fit electrode

Reference number 28FS300S

The quick fit electrode is used as a spare part for L300 Go and L100 Go.

Technical data

| Article number | Side |
|-------------------|-----------|
| 28FS300S=LG4-1100 | left (L) |
| 28FS300S=LG4-1000 | right (R) |



Round textile electrode

Reference number 28FS300S

The round textile electrode is used as a spare part for the L300 Go and L100 Go.

Technical data

| Article number | Size | Diameter |
|-------------------|-------|----------|
| 28FS300S=LG3-6600 | 36 mm | 36 mm |
| 28FS300S=LG3-4V00 | 45 mm | 45 mm |



Steering electrode

Reference number 28FS300S

The steering electrode is used as a spare part for the L300 Go.

Technical data

| Article number | Side |
|-------------------|-----------|
| 28FS300S=SCE-1100 | left (L) |
| 28FS300S=SCE-1000 | right (R) |



Stimulation tester

Reference number 28FS300S=20-0004

The stimulation tester is a spare part for the L300 Go and L100 Go.

Technical data

| Article number |
|------------------|
| 28FS300S=20-0004 |

NeuroRehabilitation

Lower limb



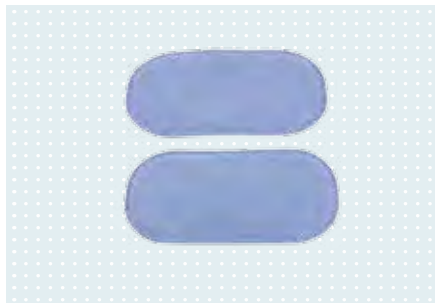
Cover for thigh cuff

Reference number 28KS300S

Cover as an option for the thigh cuff for the L300 Go Upgrade and Stand Alone

Technical data

| Article number | Side |
|-------------------|-----------|
| 28KS300S=L4P-8100 | left (L) |
| 28KS300S=L4P-8000 | right (R) |



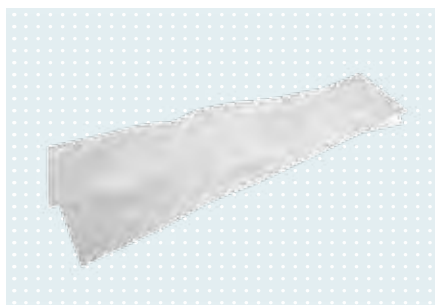
Textile electrode for thigh, offset

Reference number 28KS300S=L3P-5D00

The offset textile electrodes are options for the L300 Go System Plus Upgrade and Stand Alone.

Technical data

| Article number |
|-------------------|
| 28KS300S=L3P-5D00 |



Strap cover, thigh cuff

Reference number 28KS300S=L4P-4A00

The strap covers for the thigh are used as spare parts for the L300 Go.

Technical data

| Article number | Package contents |
|-------------------|------------------|
| 28KS300S=L4P-4A00 | 10 pieces |



Strap holder for thigh cuff

Reference number 28KS300S=L4P-8200

The strap holder for the thigh cuff is used as an option for the L300 Go System Plus Upgrade and Stand Alone.

Technical data

| Article number |
|-------------------|
| 28KS300S=L4P-8200 |



Genu Neurexa

Reference number 8165

Knee guiding orthosis for the prevention of hyperextension, primarily following a stroke.

Features and benefits

- Three-point principle, straps with guaranteed tensile strength, range of motion for splints can be limited, and/or continuously variable cross-strap against hyperextension
 - Counteracts hyperextension of the knee joint during the stance phase; hyperextension strap makes the brace suitable for gait training in therapy
- Brace splint joints adjustable in 10° increments
 - Limits extension and flexion of the knee joint, resulting in pressure distribution, not limited to the hyperextension strap but can also be assumed by extension stops.
- Climate-regulating material
 - High acceptance and wearer comfort
- Front closure
 - Several alternatives for applying the brace
- Machine washable at 40 °C
 - Hygienic

Indications

- Paresis of leg muscles resulting in hyperextension of the knee following
 - Stroke
 - Intervertebral disc prolapse in the lumbar spine
 - Peripheral nerve damage

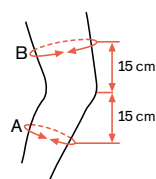
Modes of action

- Supports and stabilises the knee joint
- Improves proprioception
- Supports sensorimotor function
- Prevents hyperextension
- Promotes the reduction of oedemas and haematomas
- Can relieve pain

Information material

| | |
|-----------------|--|
| 646D507=EN_INT | Neurexa line – information for practitioners |
| 646F340=EN_INT | Stroke indication matrix |
| 647G601=ALL_INT | 8165 Instructions for use |

Technical data



| Article number | For size | Colour | Lower leg circumference A | Thigh circumference B |
|----------------|----------|--------|---------------------------|-----------------------|
| 8165=XS-7 | XS | Black | 32 - 35 | 38 - 42 |
| 8165=XS-9 | XS | Beige | 32 - 35 | 38 - 42 |
| 8165=S-7 | S | Black | 35 - 38 | 42 - 46 |
| 8165=S-9 | S | Beige | 35 - 38 | 42 - 46 |
| 8165=M-7 | M | Black | 38 - 41 | 46 - 50 |
| 8165=M-9 | M | Beige | 38 - 41 | 46 - 50 |
| 8165=L-7 | L | Black | 41 - 44 | 50 - 54 |
| 8165=L-9 | L | Beige | 41 - 44 | 50 - 54 |
| 8165=XL-7 | XL | Black | 44 - 48 | 54 - 58 |
| 8165=XL-9 | XL | Beige | 44 - 48 | 54 - 58 |

NeuroRehabilitation

Upper limb



Manu Neurexa plus

Reference number 28P30

Wrist stabilisation orthosis with adjustable wrist joint, can be combined with hand support rest and Omo Neurexa plus.

Features and benefits

- Only one universal size and side
 - Easy to position and adapt
- Can be combined with the 5065N=* Omo Neurexa plus without using tools
 - Improved effect
- Can be combined with the 28P31 hand support rest without using tools
 - Can also be worn as a positioning orthosis
- High-quality TriTech climate fabric
 - High wearer comfort
 - Flexible fitting

Indications

- Incomplete paralysis (paresis) of the forearm and hand musculature, for example due to hemiplegia following a stroke
- Intervertebral disc prolapse in the cervical spine
- Injury of the brachial plexus

Modes of action

- Relieves the wrist in a continuously variable functional position
- Limits the range of motion of the wrist in the palmar direction
- Holds the hand with either palmar or dorsal support
- Supports gripping ability
- Can prevent malpositions
- Suitable for overnight positioning in combination with the 28P31 hand support rest
- Increased effectiveness for repositioning of the shoulder in combination with the 5065N=* Omo Neurexa plus
- Can relieve pain

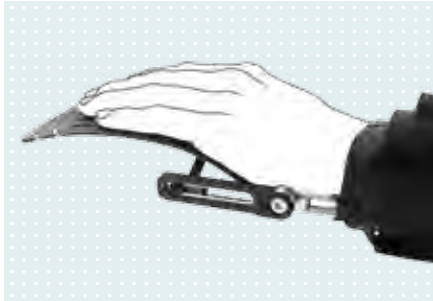
Technical data

| Article number | For size |
|----------------|-----------|
| 28P30 | Universal |

Information material

| | |
|------------------|---|
| 646D1126=EN_INT | 5065N/28P30 information for practitioners |
| 646D507=EN_INT | Neurexa line – information for practitioners |
| 646D1251=EN_INT | Upper limb stroke information for practitioners |
| 646H15=EN_INT | Stroke user information |
| 646D792=EN_INT | Mobilisation following a stroke |
| 646F340=EN_INT | Stroke indication matrix |
| 647G1282=ALL_INT | 28P30 Instructions for use |

Accessory for 28P30



Hand support rest for the Manu Neurexa plus

Reference number 28P31

The optional hand support rest provides support for the fingers and hand in addition to the fitting with the Manu Neurexa plus. Particularly intended for use during therapy or at night as a night positioning orthosis.

Technical data

| Reference number | For size |
|------------------|-----------|
| 28P31 | Universal |



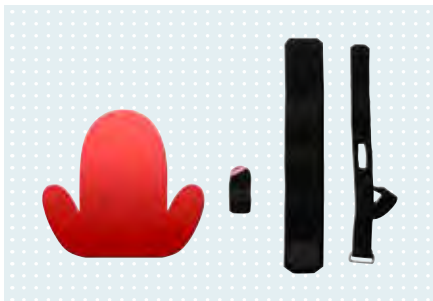
Pad set for Manu Neurexa plus

Reference number 29P32

Pad set for the Manu Neurexa plus

Technical data

| Article number | For size |
|----------------|-----------|
| 29P32 | Universal |



Pad set for hand support rest for 28P31

Reference number 29P31

Pad set for the hand support rest for the Manu Neurexa plus

Technical data

| Article number | For size |
|----------------|-----------|
| 29P31 | Universal |



Omo Neurexa plus

Reference number 5065N

Shoulder orthosis, stabilises and relieves the paretic shoulder.

Features and benefits

- Special orthosis design
 - Can be put on independently with one hand
- Design permits re-alignment of the humeral head
 - Reduces pain; proven to improve gait pattern
- Forearm and shoulder sections with silicone strips on the inside
 - Best possible positioning and firm fit, optimised transmission of tensile forces
- Various lengths of traction elements included in scope of delivery
 - Individual adaptation to various user heights
- Can be combined with the 28P30 Manu Neurexa plus without using tools
 - Improved effect
- TriTech climate-regulating material
 - High acceptance and wearer comfort
- Machine washable at 40°
 - Hygienic

Indications

- Flaccid and painful restriction of movement in the shoulder and arm musculature
 - Hemiparesis
 - Plexus injury (lesion)
 - Peripheral nerve damage to the cervical spine
 - Subluxation of the shoulder due to neurological causes

Modes of action

- Realigns the humeral head in the socket
- Improves body posture due to better sensorimotor control, resulting in a more physiological gait pattern
- Supports the arm position in extension with slight exterior rotation
- Reduces spasticity of the upper limbs
- Can relieve pain

Technical data



| Article number | For size | Side | Colour | Chest circumference |
|----------------|----------|-----------|--------|---------------------|
| 5065N=L-XXS-7 | XXS | left (L) | Black | 73 - 78 cm |
| 5065N=R-XXS-7 | XXS | right (R) | Black | 73 - 78 cm |
| 5065N=L-XS-7 | XS | left (L) | Black | 79 - 86 cm |
| 5065N=R-XS-7 | XS | right (R) | Black | 79 - 86 cm |
| 5065N=L-S-7 | S | left (L) | Black | 87 - 94 cm |
| 5065N=R-S-7 | S | right (R) | Black | 87 - 94 cm |
| 5065N=L-L-7 | L | left (L) | Black | 103 - 110 cm |
| 5065N=R-L-7 | L | right (R) | Black | 103 - 110 cm |
| 5065N=L-XL-7 | XL | left (L) | Black | 111 - 118 cm |
| 5065N=R-XL-7 | XL | right (R) | Black | 111 - 118 cm |

Information material

| | |
|------------------|---|
| 646D1126=EN_INT | 5065N/28P30 information for practitioners |
| 646D507=EN_INT | Neurexa line – information for practitioners |
| 646D1251=EN_INT | Upper limb stroke information for practitioners |
| 646H15=EN_INT | Stroke user information |
| 646D792=EN_INT | Mobilisation following a stroke |
| 646F340=EN_INT | Stroke indication matrix |
| 647G1260 | 5065N Donning guide |
| 647G1224=ALL_INT | 5065N Instructions for use |



H200 Wireless

Reference number 28PS200

Based on functional electrical stimulation, the H200 Wireless can improve the hand's active range of motion and provide support for simple grasping movements in everyday life.

Features and benefits

- Easy one-hand operation
 - Independent use by the patient
- Remote control for selecting the stimulation program
 - Fast switching from functional hand mode to training mode
- Functional electrical stimulation of the hand
 - Improves and utilises hand function
- Regular training possible with training mode
 - Counteracts spasticity, rebuilds musculature
- Training mode
 - Expands active range of motion

Indications

- Stroke
- Brain injuries (craniocerebral trauma)
- Incomplete spinal cord injury
- Neurological disorders

Modes of action

- An electrical stimulation impulse causes the forearm musculature to contract, lifting or opening the hand

Information material

| | |
|-----------------|--|
| 646D1251=EN_INT | Upper limb stroke information for practitioners |
| 646D1243=EN_INT | FES information for practitioners |
| 646D792=EN_INT | Mobilisation following a stroke |
| 646F340=EN_INT | Stroke indication matrix |
| 647G1400=EN | H200 Wireless system quick reference guide (user) |
| 647G1401=EN | H200 Wireless system quick reference guide (practitioners) |
| 647G1396=EN | H200 Wireless system instructions for use |

Technical data

| Article number | For size | Side | A Wrist circumference (cm) distal to the ulnar styloid process | B Forearm circumference (cm) 8 cm distal from the lateral epicondyle | C Forearm length (cm) distal wrist fold to elbow fold |
|----------------|----------|-----------|--|--|---|
| 28PS200=L-S | S | left (L) | Approx. 14.5–20 cm | Approx. 17–20 cm | > 24 cm |
| 28PS200=R-S | S | right (R) | Approx. 14.5–20 cm | Approx. 17–20 cm | > 24 cm |
| 28PS200=L-M | M | left (L) | Approx. 14.5–20 cm | > 20 cm | > 24 cm |
| 28PS200=R-M | M | right (R) | Approx. 14.5–20 cm | > 20 cm | > 24 cm |
| 28PS200=L-L | L | left (L) | Approx. 17–25 cm | > 20 cm | < 24 cm |
| 28PS200=R-L | L | right (R) | Approx. 17–25 cm | > 20 cm | < 24 cm |

Exclusive Distributor for



NeuroRehabilitation

Upper limb

Spare parts for 28PS200



H200 Wireless orthosis

Reference number 28PS200S

The H200 Wireless orthosis is a spare part for the H200 Wireless.

Technical data

| Article number | For size | Side |
|-------------------|----------|-----------|
| 28PS200S=H2W-5700 | S | left (L) |
| 28PS200S=H2W-5800 | S | right (R) |
| 28PS200S=H2W-5900 | M | left (L) |
| 28PS200S=H2W-5A00 | M | right (R) |
| 28PS200S=H2W-5B00 | L | left (L) |
| 28PS200S=H2W-5C00 | L | right (R) |



H200 Wireless textile electrodes

Reference number 28PS200S=H2W-5D00

Textile electrodes for the H200 Wireless

Technical data

| Article number |
|-------------------|
| 28PS200S=H2W-5D00 |



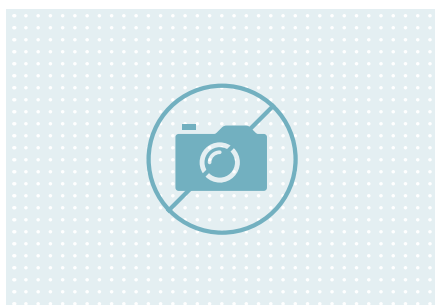
Set of mounting plates

Reference number 28PS200S

The set of mounting plates is a spare part for the H200 Wireless.

Technical data

| Article number | For size | Side |
|-------------------|----------|-----------|
| 28PS200S=HR2-4200 | S/M | left (L) |
| 28PS200S=HR2-4300 | S/M | right (R) |
| 28PS200S=HR2-4400 | L | left (L) |
| 28PS200S=HR2-4500 | L | right (R) |



FPL panel

Reference number 28PS200S

The electrode holder close to the wrist is a spare part for the H200 Wireless.

Technical data

| Article number | For size | Side |
|-------------------|----------|-----------|
| 28PS200S=H2W-6300 | S/M | right (R) |
| 28PS200S=H2W-6400 | S/M | left (L) |
| 28PS200S=H2W-6500 | L | right (R) |
| 28PS200S=H2W-6600 | L | left (L) |



Wrist loop

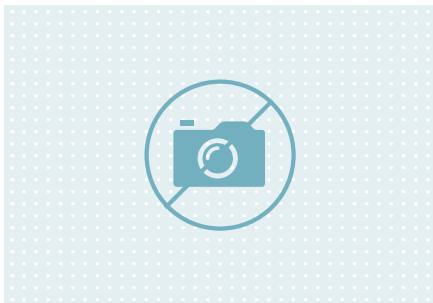
Reference number 28PS200S=HR2-5K00

The wrist loop is a spare part for the H200 Wireless.

Technical data

Article number

28PS200S=HR2-5K00



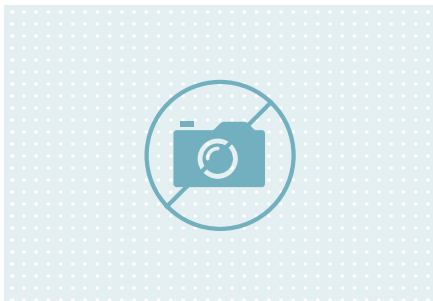
Wrist pad

Reference number 28PS200S

The wrist pads are spare parts for the H200 Wireless.

Technical data

| Article number | For size | Size | Side |
|-------------------|----------|--------|-----------|
| 28PS200S=HR2-6J00 | S/M | Thin | left (L) |
| 28PS200S=HR2-6M00 | S/M | Thin | right (R) |
| 28PS200S=HR2-6H00 | S/M | Medium | left (L) |
| 28PS200S=HR2-6L00 | S/M | Medium | right (R) |
| 28PS200S=HR2-6G00 | S/M | Thick | left (L) |
| 28PS200S=HR2-6K00 | S/M | Thick | right (R) |
| 28PS200S=HR2-6600 | L | Thin | left (L) |
| 28PS200S=HR2-6900 | L | Thin | right (R) |
| 28PS200S=HR2-6500 | L | Medium | left (L) |
| 28PS200S=HR2-6800 | L | Medium | right (R) |
| 28PS200S=HR2-6400 | L | Thick | left (L) |
| 28PS200S=HR2-6700 | L | Thick | right (R) |



Wrist pad covers

Reference number 28PS200S

The wrist pad covers are spare parts for the H200 Wireless.

Technical data

| Article number | For size |
|-------------------|----------|
| 28PS200S=H2W-6A00 | S/M |
| 28PS200S=H2W-6B00 | L |



Ball of thumb supports

Reference number 28PS200S

The ball of thumb supports are spare parts for the H200 Wireless.

Technical data

| Article number | For size | Size | Side |
|-------------------|----------|--------|-----------|
| 28PS200S=HR2-6A00 | S/M | medium | left (L) |
| 28PS200S=HR2-6B00 | S/M | large | left (L) |
| 28PS200S=HR2-6C00 | S/M | medium | right (R) |
| 28PS200S=HR2-6D00 | S/M | large | right (R) |

NeuroRehabilitation

Upper limb



Screw for wrist pad

Reference number 28PS200S

The screw for the wrist pad is a spare part for the H200 Wireless.

Technical data

| Article number | For size |
|-------------------|----------|
| 28PS200S=HR2-4A00 | S/M |
| 28PS200S=HR2-4B00 | L |



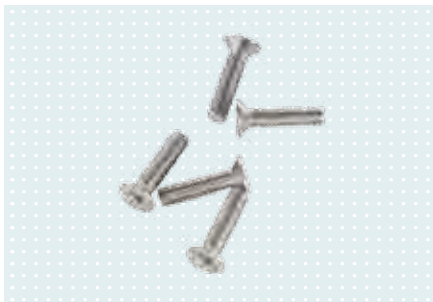
Screws for ball of thumb support

Reference number 28PS200S=HR2-4C00

The screws for the ball of thumb support are a spare part for the H200 Wireless.

Technical data

| Article number |
|-------------------|
| 28PS200S=HR2-4C00 |



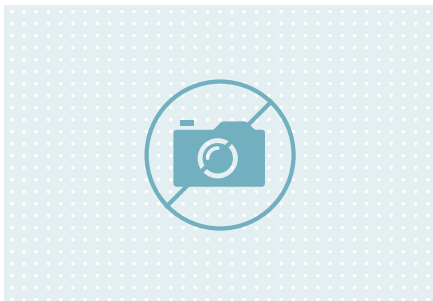
FPL panel screw

Reference number 28PS200S

The FPL panel screw is a spare part for the H200 Wireless.

Technical data

| Article number | For size |
|-------------------|----------|
| 28PS200S=HR2-4900 | S/M |
| 28PS200S=HR2-4800 | L |



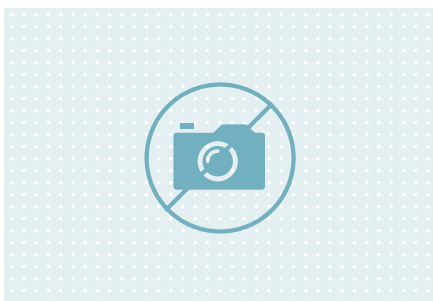
H200 Wireless system charger

Reference number 28PS200S=L3P-5G00

The H200 Wireless system charger is a spare part for the H200 Wireless.

Technical data

| Article number |
|-------------------|
| 28PS200S=L3P-5G00 |



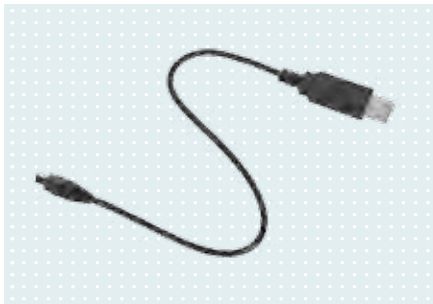
Y system charging cable

Reference number 28PS200S=LG3-5C00

The Y system charger cable is a spare part for the H200 Wireless.

Technical data

| Article number |
|-------------------|
| 28PS200S=LG3-5C00 |



Clinician programmer connection cable

Reference number 28PS200S

Connection cable for H200 Wireless clinician programmer

Technical data

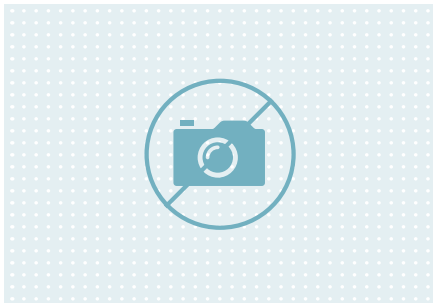
Article number

28PS200S=20-0013

28PS200S=HR2-5J00

28PS200S=LG3-5D00

Accessory for 28PS200



Belt pouch for remote control

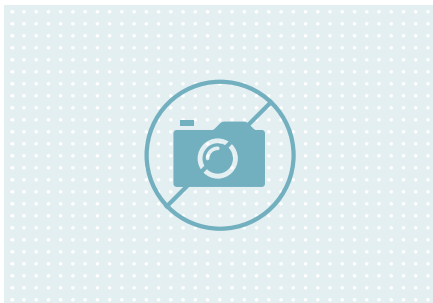
Reference number 28PS200A=20-0007

Belt pouch for the remote control of the H200 Wireless

Technical data

Article number

28PS200A=20-0007



Flexor attachment plate

Reference number 28PS200A

Flexor attachment plate for H200 Wireless

Technical data

| Article number | For size | Side |
|-------------------|----------|-----------|
| 28PS200A=HR2-7400 | S/M | right (R) |
| 28PS200A=HR2-7500 | S/M | right (R) |
| 28PS200A=HR2-7600 | S/M | right (R) |
| 28PS200A=HR2-7B00 | S/M | left (L) |
| 28PS200A=HR2-7C00 | S/M | left (L) |
| 28PS200A=HR2-7D00 | S/M | left (L) |
| 28PS200A=HR2-7J00 | L | right (R) |
| 28PS200A=HR2-7K00 | L | right (R) |
| 28PS200A=HR2-7L00 | L | right (R) |
| 28PS200A=HR2-7T00 | L | left (L) |
| 28PS200A=HR2-7U00 | L | left (L) |
| 28PS200A=HR2-7V00 | L | left (L) |

NeuroRehabilitation

Upper limb



H200 Wireless remote control

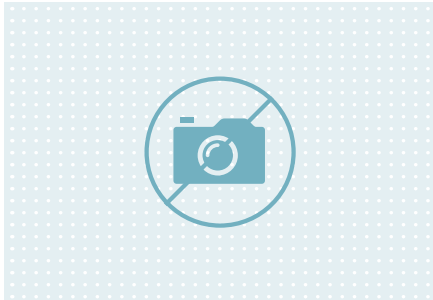
Reference number 28PS200A=H2W-5600

Remote control for the H200 Wireless

Technical data

Article number

28PS200A=H2W-5600



Carrying strap for remote control

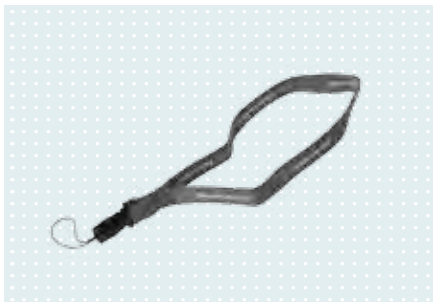
Reference number 28PS200A=20-0005

Neck strap for remote control for H200 Wireless

Technical data

Article number

28PS200A=20-0005



Wrist loop for remote control

Reference number 28PS200A=LG3-5H00

Wrist loop for the remote control for the H200 Wireless

Technical data

Article number

28PS200A=LG3-5H00



Set of mounting plates

Reference number 28PS200S

The set of mounting plates is a spare part for the H200 Wireless.

Technical data

| Article number | For size | Side |
|-------------------|----------|-----------|
| 28PS200S=HR2-4200 | S/M | left (L) |
| 28PS200S=HR2-4300 | S/M | right (R) |
| 28PS200S=HR2-4400 | L | left (L) |
| 28PS200S=HR2-4500 | L | right (R) |



Extensor attachment plate

Reference number 28PS200A

The extensor attachment plate is a spare part for the H200 Wireless.

Technical data

| Article number | For size | Side |
|-------------------|----------|-----------|
| 28PS200A=HR2-7000 | S/M | right (R) |
| 28PS200A=HR2-7100 | S/M | right (R) |
| 28PS200A=HR2-7200 | S/M | right (R) |
| 28PS200A=HR2-7300 | S/M | right (R) |
| 28PS200A=HR2-7700 | S/M | left (L) |
| 28PS200A=HR2-7800 | S/M | left (L) |
| 28PS200A=HR2-7900 | S/M | left (L) |
| 28PS200A=HR2-7A00 | S/M | right (R) |
| 28PS200A=HR2-7E00 | L | right (R) |
| 28PS200A=HR2-7F00 | L | right (R) |
| 28PS200A=HR2-7G00 | L | right (R) |
| 28PS200A=HR2-7H00 | L | right (R) |
| 28PS200A=HR2-7M00 | L | left (L) |
| 28PS200A=HR2-7N00 | L | left (L) |
| 28PS200A=HR2-7P00 | L | left (L) |
| 28PS200A=HR2-7R00 | L | right (R) |



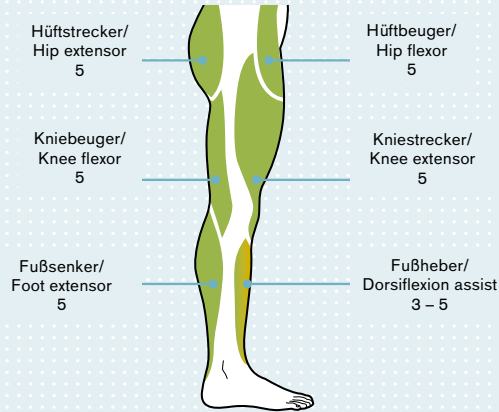
AFO

All ankle joints and dynamic components are presented in this section.



Visit **Ottobock Scandinavia professionals site** to obtain up-to-date product information at any time.

BILATERAL



17AF2



17AF10
X-ible



17B62



17B60
17B61
17B64
17B100
17F36



17Y128
17Y129

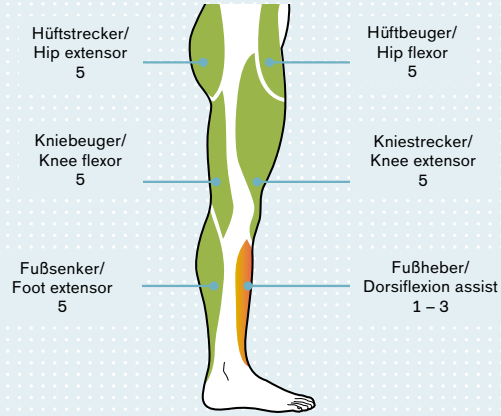


17B38
17B39



17AF10 X-ible
vorflektiert/with dorsal
assist

BILATERAL



17PA1



17AD1



17B63



17B99
17B101
17B107
17B108
17F70



17Y128
17Y129



17B38
17B39



17B66



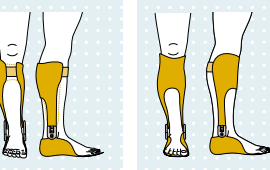
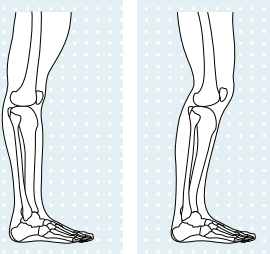
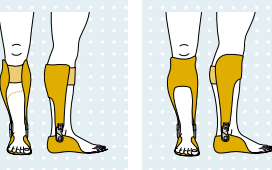
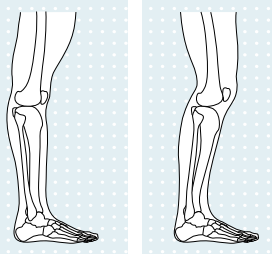
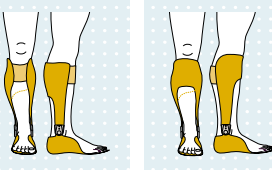
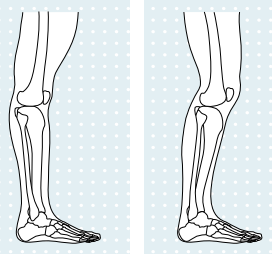
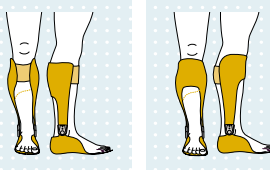
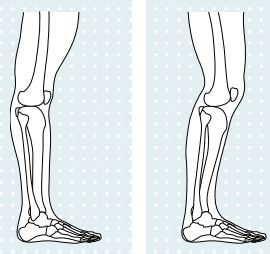
17Y128
17Y129

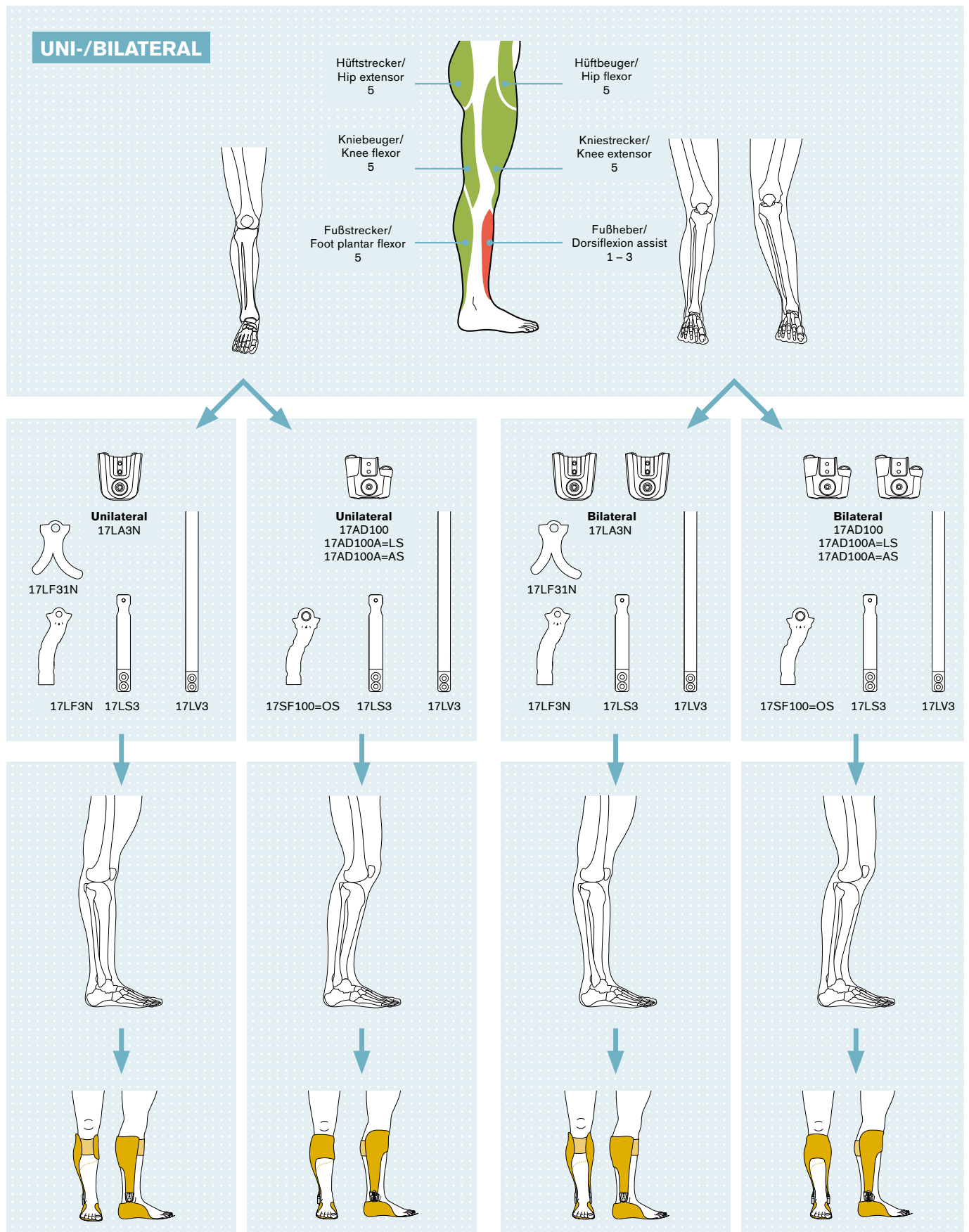


17B113
17B114
17B115
17B116

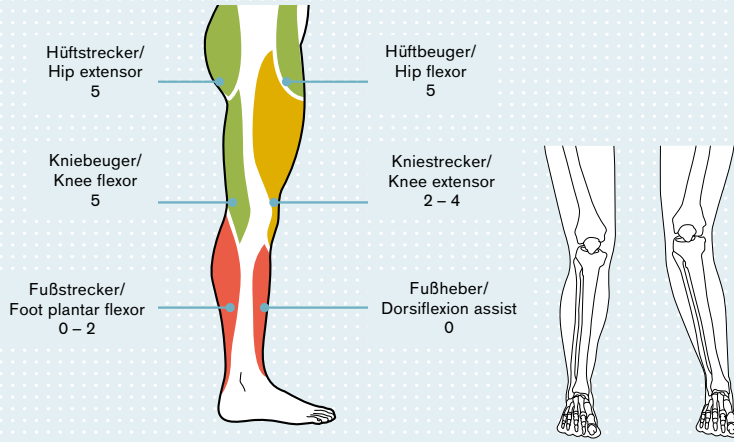


17B38
17B39





UNI-/BILATERAL



Unilateral
17AD100
17AD100A=HS
17AD100A=HS

17SF100=OS 17LS3 17LV3

17CF1

Bilateral
17AD100
17AD100A=HS
17AD100A=HS

17SF100=OS 17LS3 17LV3

17CF1

AFO

Flexible ankle joints



X-ible

Reference number 17AF10

Stabilises the ankle joint in the frontal plane.



Technical data

| Article number | Size | Length | Quantity unit |
|----------------|------|--------|---------------|
| 17AF10=S | S | 3.2 cm | 2 |
| 17AF10=M | M | 3.8 cm | 2 |
| 17AF10=L | L | 4.5 cm | 2 |



X-ible

Reference number 17AF10

Pre-flexed to support dorsiflexion in the sagittal plane.



Technical data

| Article number | Size | Length | Degree of hardness | Quantity unit |
|----------------|------|--------|--------------------|---------------|
| 17AF10=S-DA-LT | S | 3.2 cm | 75 | 2 |
| 17AF10=S-DA-MD | S | 3.2 cm | 85 | 2 |
| 17AF10=S-DA-ST | S | 3.2 cm | 95 | 2 |
| 17AF10=M-DA-LT | M | 3.8 cm | 75 | 2 |
| 17AF10=M-DA-MD | M | 3.8 cm | 85 | 2 |
| 17AF10=M-DA-ST | M | 3.8 cm | 95 | 2 |
| 17AF10=L-DA-LT | L | 4.5 cm | 75 | 2 |
| 17AF10=L-DA-MD | L | 4.5 cm | 85 | 2 |
| 17AF10=L-DA-ST | L | 4.5 cm | 95 | 2 |

Information material

| | |
|-------------------|---|
| 646D1205=EN_INT | 17AF10 information for practitioners |
| 646D1306=EN_INT | Ankle joint selection guide |
| 646F595=EN_MASTER | Ankle joints overview |
| 646F465=ALL_INT | AFO selection guide |
| 646T523=EN | Technical information – X-ible Flexible ankle joints, fabrication of an orthosis using thermoplastic technology |
| 647G1234 | 17AF10 instructions for use |

Spare parts for 17AF10



Dummy for 17AF10

Reference number 17AF10A

Technical data

| Article number | Spare part for |
|----------------|--|
| 17AF10A=DY-S | 17AF10=S 17AF10=S-DA-LT 17AF10=S-DA-MD 17AF10=S-DA-ST |
| 17AF10A=DY-M | 17AF10=M 17AF10=M-DA-LT 17AF10=M-DA-MD 17AF10=M-DA-ST |
| 17AF10A=DY-L | 17AF10=L 17AF10=L-DA-LT 17AF10=L-DA-MD 17AF10=L-DA-ST |



Free motion ankle joint

Reference number 17AF2

For use in thermoplastic AFOs. No maintenance required. With parallel alignment tool.



Technical data

| Article number | Overall length upper section – foot stirrup | Material | Quantity unit |
|----------------|---|-----------------|---------------|
| 17AF2=77 | 77,5 mm | Stainless steel | Pair |

Information material

| | |
|-------------------|---|
| 646D1279=EN_INT | Conventional joint bar system information for practitioners |
| 646D1306=EN_INT | Ankle joint selection guide |
| 646F595=EN_MASTER | Ankle joints overview |
| 646F465=ALL_INT | AFO selection guide |
| 647G166 | 17AD1/17AF2 instructions for use |



Ankle joint bar for children

Reference number 17F34

Free-motion ankle joint bar

Range of motion of +/- 30° adjustable by filing upper section of ankle joint bar
Forged foot stirrup, flat bar profile, fixed joint, upper sections and foot stirrup



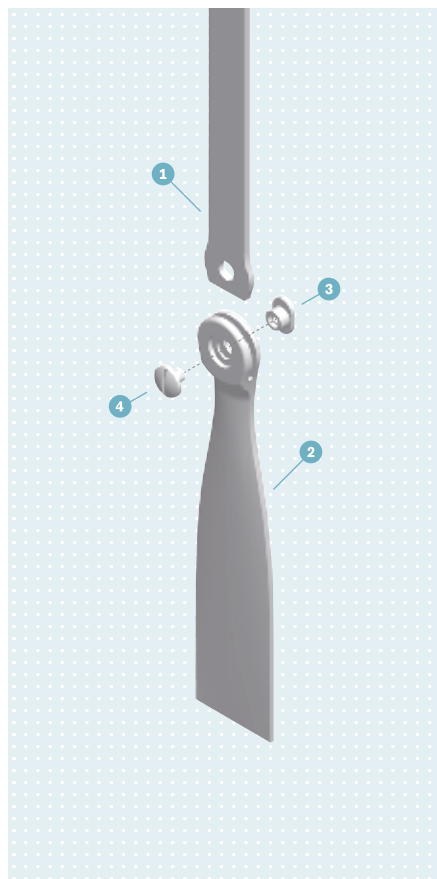
Technical data

| Article number | Bar length | Bar width | Bar thickness | Stirrup length from joint centre | Stirrup width | Joint head Ø | Material | Quantity unit |
|----------------|------------|-----------|---------------|----------------------------------|---------------|--------------|-----------------|---------------|
| 17F34=6 | 180 mm | 12 mm | 2 mm | 115 mm | 25 mm | 16 mm | Stainless steel | Pair |
| 17F34=5 | 240 mm | 14 mm | 2 mm | 130 mm | 30 mm | 18 mm | Stainless steel | Pair |

Information material

| | |
|-------------------|--|
| 646F595=EN_MASTER | Ankle joints overview |
| 647G2 | Instructions for use – system/leg bars |

Spare parts for 17F34



(1) Ankle joint bar, upper section

Reference number 17A4

Technical data

| Article number | Spare part for | Bar length | Bar width | Bar thickness | Material | Quantity unit |
|----------------|----------------|------------|-----------|---------------|-----------------|---------------|
| 17A4=5 | 17F34=5 | 240 mm | 14 mm | 2 mm | Stainless steel | Piece |
| 17A4=6 | 17F34=6 | 180 mm | 12 mm | 2 mm | Stainless steel | Piece |

(2) Foot stirrup

Reference number 17C4

Technical data

| Article number | Spare part for | Stirrup length | Joint head Ø | Material | Quantity unit |
|----------------|----------------|----------------|--------------|-----------------|---------------|
| 17C4=5 | 17F34=5 | 130 mm | 18 mm | Stainless steel | Piece |
| 17C4=6 | 17F34=6 | 115 mm | 16 mm | Stainless steel | Piece |

(3) Bearing nut, hardened

Reference number 17Y93

Technical data

| Article number | Spare part for | Insertion length | Profile length | Shank length | Thread | Shoulder Ø | Quantity unit |
|-------------------|--------------------|------------------|----------------|--------------|--------|------------|---------------|
| 17Y93=6X4.75XM4 | 17F34=5 17F34=6 | 3.5 mm | 12 mm | 4.75 mm | M4 | 6 mm | Piece |
| 17Y93=6.5X4.75XM4 | 17F34=5 17F34=6 | 3.5 mm | 12 mm | 4.75 mm | M4 | 6.5 mm | Piece |
| 17Y93=7X4.75XM4 | 17F34=5 17F34=6 | 3.5 mm | 12 mm | 4.75 mm | M4 | 7 mm | Piece |

(4) Slotted truss head screw

Reference number 501S32

Technical data

| Article number | Spare part for | Length | Head Ø | Thread | Material | Quantity unit |
|------------------|--------------------|--------|--------|--------|-----------------|---------------|
| 501S32=M4X10X7.5 | 17F34=5 17F34=6 | 7.5 mm | 10 mm | M4 | Stainless steel | Piece |



Ankle joint bar for children

Reference number 17F24

Free-motion ankle joint bar Range of motion of +/- 30° adjustable by filing upper section of ankle joint bar

Forged foot stirrup, fixed joint, upper sections and foot stirrup



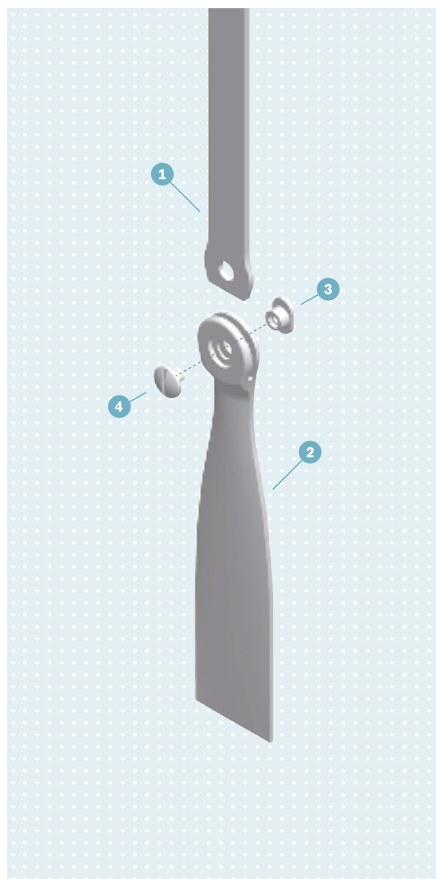
Technical data

| Article number | Bar length | Bar width | Bar thickness | Stirrup length from joint centre | Stirrup width | Joint head Ø | Quantity unit |
|----------------|------------|-----------|---------------|----------------------------------|---------------|--------------|---------------|
| 17F24=5 | 300 mm | 15 mm | 3 mm | 130 mm | 40 mm | 20 mm | Pair |
| 17F24=4 | 300 mm | 15 mm | 3 mm | 130 mm | 40 mm | 22 mm | Pair |
| 17F24=2 | 390 mm | 18 mm | 3 mm | 150 mm | 40 mm | 24 mm | Pair |

Information material

| | |
|-------------------|--|
| 646F595=EN_MASTER | Ankle joints overview |
| 647G2 | Instructions for use – system/leg bars |

Spare parts for 17F24



(1) Ankle joint bar, upper section

Reference number 17A3

Technical data

| Article number | Spare part for | Bar length | Bar width | Bar thickness | Material | Quantity unit |
|----------------|----------------|------------|-----------|---------------|-----------------|---------------|
| 17A3=2 | 17F24=2 | 390 mm | 18 mm | 3 mm | Stainless steel | Piece |
| 17A3=4 | 17F24=4 | 300 mm | 15 mm | 3 mm | Stainless steel | Piece |
| 17A3=5 | 17F24=5 | 300 mm | 15 mm | 3 mm | Stainless steel | Piece |

(2) Foot stirrup with bearing nut and truss head screw

Reference number 17C3

Technical data

| Article number | Spare part for | Stirrup length | Joint head Ø | Material | Quantity unit |
|----------------|----------------|----------------|--------------|-----------------|---------------|
| 17C3=2 | 17F24=2 | 150 mm | 24 mm | Stainless steel | Piece |
| 17C3=4 | 17F24=4 | 130 mm | 22 mm | Stainless steel | Piece |
| 17C3=5 | 17F24=5 | 130 mm | 20 mm | Stainless steel | Piece |

(3) Bearing nut, hardened

Reference number 17Y93

Technical data

| Article number | Spare part for | Insertion length | Profile length | Shank length | Thread | Shoulder Ø | Quantity unit |
|----------------|-------------------------------|------------------|----------------|--------------|--------|------------|---------------|
| 17Y93=7X7XM5 | 17F24=2 17F24=4 17F24=5 | 5.5 mm | 12 mm | 7 mm | M5 | 7 mm | Piece |
| 17Y93=7.5X7XM5 | 17F24=2 17F24=4 17F24=5 | 5.55 mm | 12 mm | 7 mm | M5 | 7.5 mm | Piece |

(4) Slotted truss head screw

Reference number 501S32

Technical data

| Article number | Length | Head Ø | Thread | Material | Quantity unit |
|------------------|--------|--------|--------|-----------------|---------------|
| 501S32=M5X12X9.5 | 9.5 mm | 12 mm | M5 | Stainless steel | Piece |



System ankle joint

Reference number 17B62

System ankle joint with range of motion of +/- 30°, to be established by filing the foot stirrup

Contoured medial joint, straight lateral joint

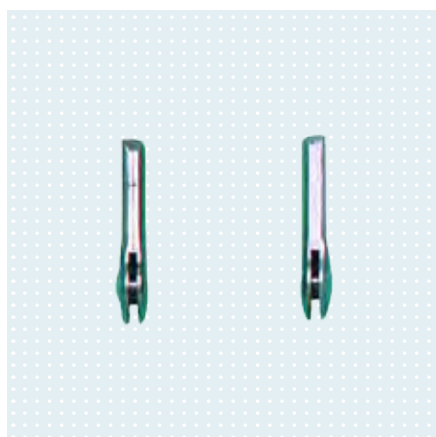


Technical data

| Article number | System width | Joint head Ø | Slot width | Length from joint center | Material | Quantity unit |
|----------------|--------------|--------------|------------|--------------------------|-----------------|---------------|
| 17B62=16 | 16 mm | 22 mm | 2.5 mm | 41 mm | Stainless steel | Pair |
| 17B62=20 | 20 mm | 24.5 mm | 3 mm | 41 mm | Stainless steel | Pair |

Information material

| | |
|-------------------|--|
| 646D1306=EN_INT | Ankle joint selection guide |
| 646F465=ALL_INT | AFO selection guide |
| 646F595=EN_MASTER | Ankle joints overview |
| 647G2 | Instructions for use – system/leg bars |



System ankle joint

Reference number 17B57

System ankle joint with range of motion of +/- 30°, to be established by filing the foot stirrup

Straight medial and lateral joints

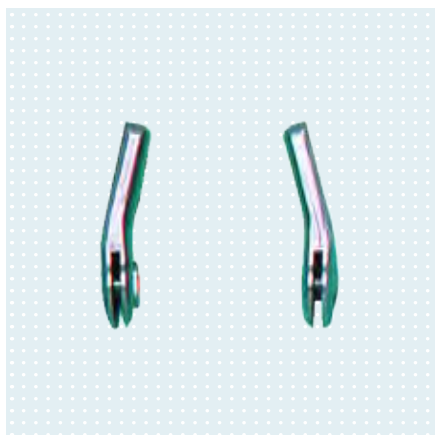


Technical data

| Article number | System width | Joint head Ø | Slot width | Length from joint center | Quantity unit |
|----------------|--------------|--------------|------------|--------------------------|---------------|
| 17B57=16 | 16 mm | 22 mm | 2.5 mm | 41 mm | Pair |
| 17B57=20 | 20 mm | 24 mm | 3 mm | 41 mm | Pair |

Information material

| | |
|-------------------|--|
| 646F595=EN_MASTER | Ankle joints overview |
| 647G2 | Instructions for use – system/leg bars |



System ankle joint

Reference number 17B54

System ankle joint with range of motion of +/- 30°, to be established by filing the foot stirrup

Contoured medial and lateral joints

Technical data

| Article number | System width | Joint head Ø | Slot width | Length from joint center | Quantity unit |
|----------------|--------------|--------------|------------|--------------------------|---------------|
| 17B54=16 | 16 mm | 22 mm | 2.5 mm | 41 mm | Pair |
| 17B54=20 | 20 mm | 24 mm | 3 mm | 41 mm | Pair |

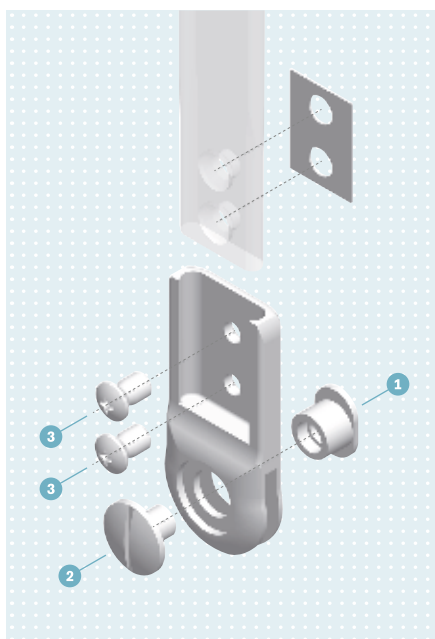
• The joint can be ordered separately under article numbers 17A54=16 and 17A54=20.

Information material

646F595=EN_MASTER Ankle joints overview

647G2 Instructions for use – system/leg bars

Spare parts for 17B62, 17B57, 17B54



(1) Bearing nut, hardened

Reference number 17Y93

Technical data

| Article number | Spare part for | Insertion length | Profile length | Shank length | Thread | Shoulder Ø | Quantity unit |
|----------------|----------------------------------|------------------|----------------|--------------|--------|------------|---------------|
| 17Y93=7X6.8XM5 | 17B54=16 17B57=16 17B62=16 | 5.55 mm | 12 mm | 6.8 mm | M5 | 7 mm | Piece |
| 17Y93=9X7.2XM6 | 17B54=20 17B57=20 17B62=20 | 6 mm | 14 mm | 7.2 mm | M6 | 9 mm | Piece |

(2) Slotted truss head screw

Reference number 501S32

Technical data

| Article number | System width | Length | Head Ø | Thread | Overall length | Material | Quantity unit |
|------------------|--------------|--------|--------|--------|----------------|-----------------|---------------|
| 501S32=M6X14X10 | 16/ 20 mm | 10 mm | 14 mm | M6 | 10 mm | Stainless steel | Piece |
| 501S32=M5X12X9.5 | 16 mm | 9.5 mm | 12 mm | M5 | 9.5 mm | Stainless steel | Piece |

(3) Phillips oval countersunk head screw

Reference number 501T7

Technical data

| Article number | Spare part for | Length | Head Ø | Material | Quantity unit |
|----------------|--|--------|--------|-----------------|---------------|
| 501T7=7.5X9XM5 | 17B54=16 17B54=20 17B57=16 17B57=20 17B62=16 17B62=20 | 9 mm | 7.5 mm | Stainless steel | Piece |



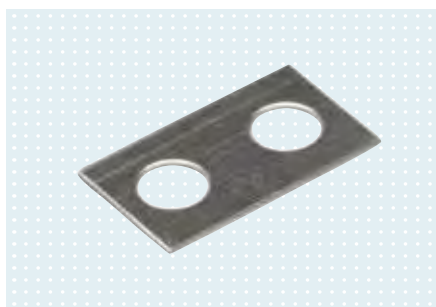
Brass bushing

Reference number 17Y17

Brass bushing for joint centre piece

Technical data

| Article number | System width | Material | Quantity unit |
|----------------|--------------|----------|---------------|
| 17Y17=7X9X2.4 | 16 mm | Brass | Piece |
| 17Y17=9X11X2.9 | 20 mm | Brass | Piece |



Shim plate

Reference number 17Y42

To compensate for the difference in thickness between 4 mm thick side bars and 5 mm thick connections of the system joints

Technical data

| Article number | For bar width | Plate width | Material |
|----------------|---------------|-------------|-----------------|
| 17Y42=12 | 16 mm | 12 mm | Stainless steel |
| 17Y42=15 | 20 mm | 15 mm | Stainless steel |

Accessory for 17B62, 17B57, 17B54



System foot stirrup

Reference number 17B55

with brass bushing



Technical data

| Article number | System width | Thickness | Length from joint center | Material | Quantity unit |
|----------------|--------------|-----------|--------------------------|-----------------|---------------|
| 17B55=145X2.5 | 16 mm | 2.5 mm | 145 mm | Stainless steel | Piece |
| 17B55=165X3 | 20 mm | 3 mm | 165 mm | Stainless steel | Piece |



System lamination foot stirrup

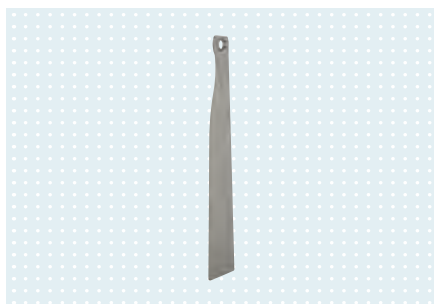
Reference number 17B100

with brass bushing



Technical data

| Article number | System width | Thickness | Length from joint center | Material | Quantity unit |
|----------------|--------------|-----------|--------------------------|-----------------|---------------|
| 17B100=16 | 16 mm | 2.5 mm | 63 mm | Stainless steel | Piece |
| 17B100=20 | 20 mm | 3 mm | 63 mm | Stainless steel | Piece |



System foot stirrup

Reference number 17B61

overlength, with brass bushing



Technical data

| Article number | System width | Thickness | Length from joint center | Material | Quantity unit |
|----------------|--------------|-----------|--------------------------|-----------------|---------------|
| 17B61=250 | 20 mm | 3 mm | 250 mm | Stainless steel | Piece |



Forked system foot stirrup

Reference number 17B60

forked, with brass bushing



Technical data

| Article number | System width | Thickness | Caster fork width front/rear | Material | Quantity unit |
|----------------|--------------|-----------|------------------------------|-----------------|---------------|
| 17B60=180 | 16 mm | 2.5 mm | 180/170 mm | Stainless steel | Piece |
| 17B60=205 | 20 mm | 3 mm | 205/190 mm | Stainless steel | Piece |



System shoe stirrup

Reference number 17F36



Technical data

| Article number | System width | Thickness | Length from joint center | Material | Quantity unit |
|----------------|--------------|-----------|--------------------------|-----------------|---------------|
| 17F36=150X2.5 | 16 mm | 2.5 mm | 150 mm | Stainless steel | Piece |
| 17F36=180X2.5 | 16 mm | 2.5 mm | 180 mm | Stainless steel | Piece |
| 17F36=200X2.5 | 16 mm | 2.5 mm | 200 mm | Stainless steel | Piece |
| 17F36=220X2.5 | 16 mm | 2.5 mm | 220 mm | Stainless steel | Piece |
| 17F36=240X2.5 | 16 mm | 2.5 mm | 240 mm | Stainless steel | Piece |
| 17F36=260X2.5 | 16 mm | 2.5 mm | 260 mm | Stainless steel | Piece |
| 17F36=280X2.5 | 16 mm | 2.5 mm | 280 mm | Stainless steel | Piece |
| 17F36=300X2.5 | 16 mm | 2.5 mm | 300 mm | Stainless steel | Piece |
| 17F36=200X3 | 20 mm | 3 mm | 200 mm | Stainless steel | Piece |
| 17F36=220X3 | 20 mm | 3 mm | 220 mm | Stainless steel | Piece |
| 17F36=240X3 | 20 mm | 3 mm | 240 mm | Stainless steel | Piece |
| 17F36=260X3 | 20 mm | 3 mm | 260 mm | Stainless steel | Piece |
| 17F36=280X3 | 20 mm | 3 mm | 280 mm | Stainless steel | Piece |
| 17F36=300X3 | 20 mm | 3 mm | 300 mm | Stainless steel | Piece |



System foot stirrup

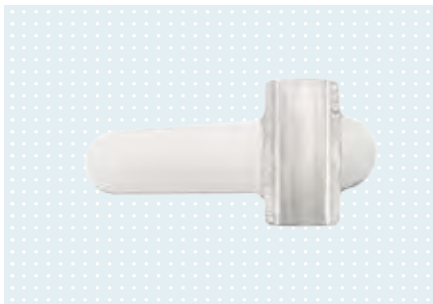
Reference number 17B64

with brass bushing



Technical data

| Article number | System width | Thickness | Channel width | Head Ø | Length from joint center | Material | Quantity unit |
|----------------|--------------|-----------|---------------|--------|--------------------------|-----------------|---------------|
| 17B64=145X2.5 | 16 mm | 2.5 mm | 19 mm | 22 mm | 145 mm | Stainless steel | Piece |
| 17B64=165X3 | 20 mm | 3 mm | 22 mm | 24 mm | 165 mm | Stainless steel | Piece |



System shoe plate, hardened

Reference number 17F35

Technical data

| Article number | Accessories for | Side | Length | Channel width | Material | Quantity unit |
|----------------|----------------------------------|-----------|--------|---------------|-----------------|---------------|
| 17F35=L120 | 17B54=16 17B57=16 17B62=16 | left (L) | 120 mm | 19 mm | Stainless steel | Piece |
| 17F35=L150 | 17B54=20 17B57=20 17B62=20 | left (L) | 150 mm | 22 mm | Stainless steel | Piece |
| 17F35=R120 | 17B54=16 17B57=16 17B62=16 | right (R) | 120 mm | 19 mm | Stainless steel | Piece |
| 17F35=R150 | 17B54=20 17B57=20 17B62=20 | right (R) | 150 mm | 22 mm | Stainless steel | Piece |



System lamination bar

Reference number 17Y128

The system lamination bars are glued with Ottobock special adhesive.

Technical data

| Article number | System width | Length | Thickness | Material | Quantity unit |
|----------------|--------------|--------|-----------|-----------------|---------------|
| 17Y128=16X80 | 16 mm | 80 mm | 4 mm | Stainless steel | Piece |
| 17Y128=20X80 | 20 mm | 80 mm | 4 mm | Stainless steel | Piece |
| 17Y128=16X100 | 16 mm | 100 mm | 4 mm | Stainless steel | Piece |
| 17Y128=20X100 | 20 mm | 100 mm | 4 mm | Stainless steel | Piece |



System lamination bar with contoured calf

Reference number 17Y129

The system lamination bars are glued with Ottobock special adhesive.

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17Y129=L16 | left (L) | 16 mm | 100 mm | 4 mm | Piece |
| 17Y129=R16 | right (R) | 16 mm | 100 mm | 4 mm | Piece |
| 17Y129=L20 | left (L) | 20 mm | 100 mm | 4 mm | Piece |
| 17Y129=R20 | right (R) | 20 mm | 100 mm | 4 mm | Piece |

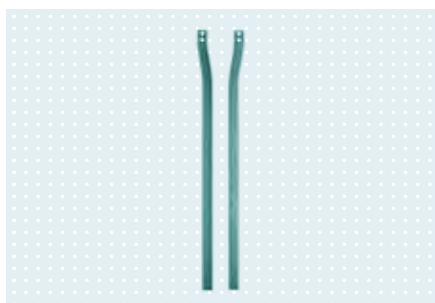


Lower leg side bar

Reference number 17B5

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17B5=L16 | left (L) | 16 mm | 450 mm | 4 mm | Piece |
| 17B5=R16 | right (R) | 16 mm | 450 mm | 4 mm | Piece |
| 17B5=L16-T | left (L) | 16 mm | 450 mm | 4 mm | Piece |
| 17B5=R16-T | right (R) | 16 mm | 450 mm | 4 mm | Piece |
| 17B5=L20 | left (L) | 20 mm | 450 mm | 4 mm | Piece |
| 17B5=R20 | right (R) | 20 mm | 450 mm | 4 mm | Piece |
| 17B5=L20-T | left (L) | 20 mm | 450 mm | 4 mm | Piece |
| 17B5=R20-T | right (R) | 20 mm | 450 mm | 4 mm | Piece |



Lower leg side bar

Reference number 17B7

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17B7=L16 | left (L) | 16 mm | 450 mm | 5 mm | Piece |
| 17B7=R16 | right (R) | 16 mm | 450 mm | 5 mm | Piece |
| 17B7=L20 | left (L) | 20 mm | 450 mm | 5 mm | Piece |
| 17B7=R20 | right (R) | 20 mm | 450 mm | 5 mm | Piece |

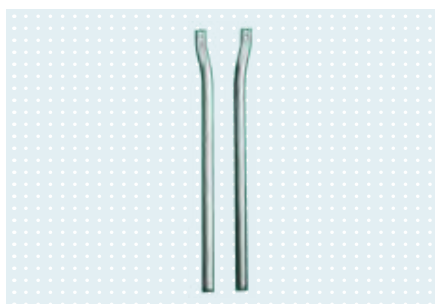


Lower leg side bar

Reference number 17B87

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17B87=L16 | left (L) | 16 mm | 450 mm | 4 mm | Piece |
| 17B87=R16 | right (R) | 16 mm | 450 mm | 4 mm | Piece |
| 17B87=L20 | left (L) | 20 mm | 450 mm | 4 mm | Piece |
| 17B87=R20 | right (R) | 20 mm | 450 mm | 4 mm | Piece |

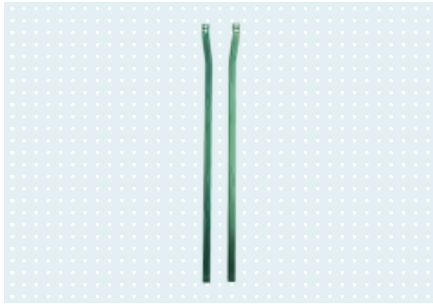


Lower leg side bar

Reference number 17B89

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17B89=L16 | left (L) | 16 mm | 450 mm | 5 mm | Piece |
| 17B89=R16 | right (R) | 16 mm | 450 mm | 5 mm | Piece |
| 17B89=L20 | left (L) | 20 mm | 450 mm | 5 mm | Piece |
| 17B89=R20 | right (R) | 20 mm | 450 mm | 5 mm | Piece |



Lower leg side bar

Reference number 17B102

Lower leg side bar made of stainless steel

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17B102=L16 | left (L) | 16 mm | 560 mm | 4 mm | Piece |
| 17B102=R16 | right (R) | 16 mm | 560 mm | 4 mm | Piece |
| 17B102=L20 | left (L) | 20 mm | 560 mm | 4 mm | Piece |
| 17B102=R20 | right (R) | 20 mm | 560 mm | 4 mm | Piece |



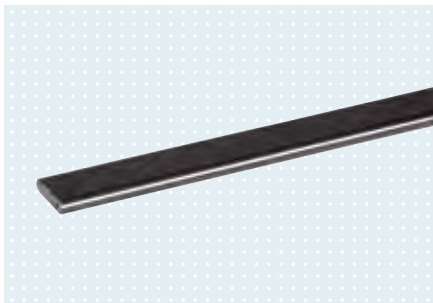
Lower leg side bar

Reference number 17B104

Lower leg side bar from the 17B41 side bar set

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17B104=L16 | left (L) | 16 mm | 560 mm | 5 mm | Piece |
| 17B104=R16 | right (R) | 16 mm | 560 mm | 5 mm | Piece |
| 17B104=L20 | left (L) | 20 mm | 560 mm | 5 mm | Piece |
| 17B104=R20 | right (R) | 20 mm | 560 mm | 5 mm | Piece |



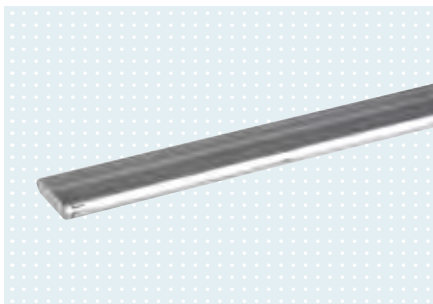
Stainless steel profile rod

Reference number 651P4

Suitable for fabricating system bars, with rounded edges, strength of approx. 800–950 N/mm², spot weldable

Technical data

| Article number | Length | Width | Thickness |
|----------------|----------|-------|-----------|
| 651P4=16 | 2,000 mm | 16 mm | 4 mm |
| 651P4=20 | 2,000 mm | 20 mm | 4 mm |



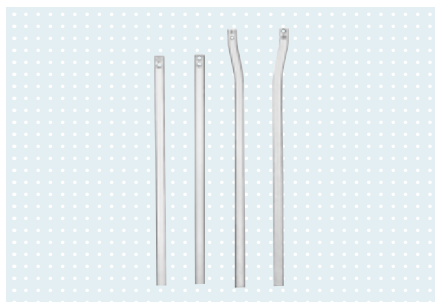
Light metal profile bar

Reference number 605P8

Suitable for fabricating system splints, with rounded edges, strength approx. 400 N/mm²

Technical data

| Article number | Length | Width | Thickness |
|----------------|----------|-------|-----------|
| 605P8=16 | 2,000 mm | 16 mm | 5 mm |
| 605P8=20 | 2,000 mm | 20 mm | 5 mm |



System side bar set

Reference number 17B38

Flat, consisting of two 17B4 and 17B4=T upper side bars and one 17B5 and 17B5=T lower side bar each for the left and right sides, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B38=16 | 16 mm | 4 mm | Set |
| 17B38=16-T | 16 mm | 4 mm | Set |
| 17B38=20 | 20 mm | 4 mm | Set |
| 17B38=20-T | 20 mm | 4 mm | Set |



System side bar set

Reference number 17B39

Consisting of two upper side bars and one left and one right lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B39=16 | 16 mm | 5 mm | Set |
| 17B39=20 | 20 mm | 5 mm | Set |



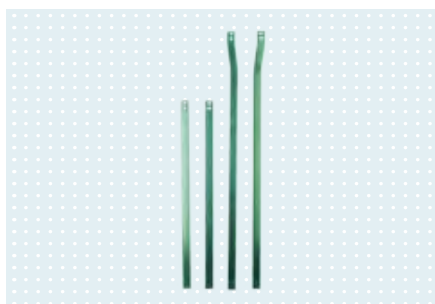
System side bar set

Reference number 17B85

Concave, consisting of two 17B88 upper side bars and one left and one right 17B89 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B85=16 | 16 mm | 5 mm | Set |
| 17B85=20 | 20 mm | 5 mm | Set |



System side bar set

Reference number 17B40

Overlength, flat, consisting of two 17B4 upper side bars and one left and one right 17B102 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B40=16 | 16 mm | 4 mm | Set |
| 17B40=20 | 20 mm | 4 mm | Set |



System side bar set

Reference number 17B84

Concave, consisting of two 17B86 upper side bars and one left and one right 17B87 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B84=16 | 16 mm | 4 mm | Set |
| 17B84=20 | 20 mm | 4 mm | Set |



System side bar set, extra long

Reference number 17B41

Consisting of two 17B6 upper side bars and one left and one right 17B104 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B41=16 | 16 mm | 5 mm | Set |
| 17B41=20 | 20 mm | 5 mm | Set |



Ankle joint bar

Reference number 17F31



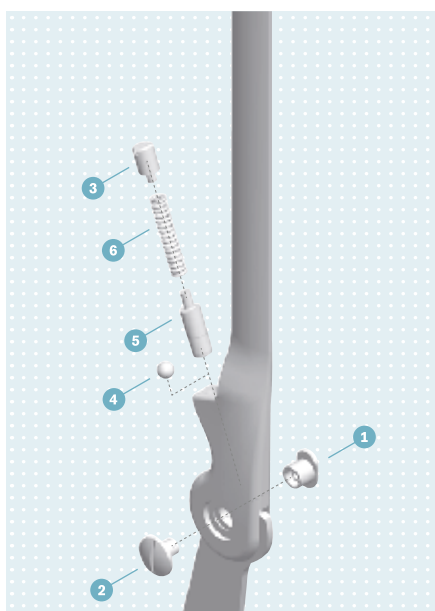
Technical data

| Article number | Side | Bar width | Joint head Ø | Slot width | Material | Quantity unit |
|----------------|-----------|-----------|--------------|------------|-----------------|---------------|
| 17F31=L26X2.5 | left (L) | 15 mm | 26 mm | 2.5 mm | Stainless steel | Piece |
| 17F31=L28X3 | left (L) | 16 mm | 28 mm | 3 mm | Stainless steel | Piece |
| 17F31=L30X3 | left (L) | 17 mm | 30 mm | 3 mm | Stainless steel | Piece |
| 17F31=R26X2.5 | right (R) | 15 mm | 26 mm | 2.5 mm | Stainless steel | Piece |
| 17F31=R28X3 | right (R) | 16 mm | 28 mm | 3 mm | Stainless steel | Piece |
| 17F31=R30X3 | right (R) | 17 mm | 30 mm | 3 mm | Stainless steel | Piece |

Information material

| | |
|-------------------|--|
| 646F595=EN_MASTER | Ankle joints overview |
| 647G3 | Instructions for use – system/leg bars |

Spare parts for 17F31



(1) Bearing nut, hardened

Reference number 17Y93

Technical data

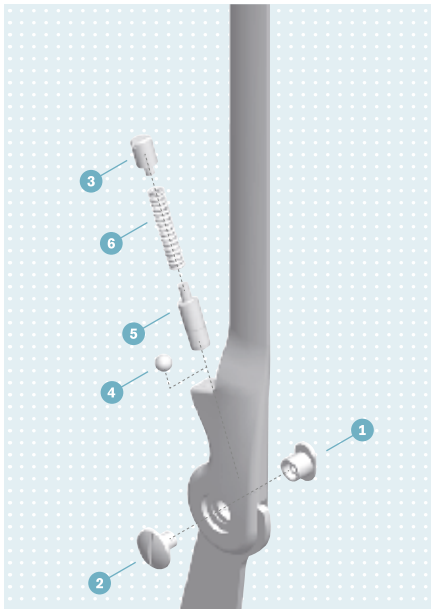
| Article number | Spare part for | Insertion length | Profile length | Shank length | Thread | Shoulder Ø | Quantity unit |
|------------------|--|------------------|----------------|--------------|--------|------------|---------------|
| 17Y93=7X6.8XM5 | 17F31=L26X2.5 17F31=R26X2.5 | 5.55 mm | 12 mm | 6.8 mm | M5 | 7 mm | Piece |
| 17Y93=7.5X6.8XM5 | 17F31=L26X2.5 17F31=R26X2.5 | 5.55 mm | 12 mm | 6.8 mm | M5 | 7.5 mm | Piece |
| 17Y93=9X7.2XM6 | 17F31=L28X3 17F31=L30X3 17F31=R28X3 17F31=R30X3 | 6 mm | 14 mm | 7.2 mm | M6 | 9 mm | Piece |
| 17Y93=9.5X7.2XM6 | 17F31=L28X3 17F31=L30X3 17F31=R28X3 17F31=R30X3 | 6 mm | 14 mm | 7.2 mm | M6 | 9.5 mm | Piece |

(2) Slotted truss head screw

Reference number 501S32

Technical data

| Article number | Spare part for | Length | Overall length | Thread | Head Ø | Material | Quantity unit |
|------------------|--|--------|----------------|--------|--------|-----------------|---------------|
| 501S32=M5X12X9.5 | 17F31=L26X2.5 17F31=R26X2.5 17F32=L26X2.5 17F32=R26X2.5 | 9.5 mm | 9.5 mm | M5 | 12 mm | Stainless steel | Piece |
| 501S32=M6X14X10 | 17F31=L28X3 17F31=L30X3 17F31=R28X3 17F31=R30X3 | 10 mm | 10 mm | M6 | 14 mm | Stainless steel | Piece |



(3) Set screw with slot

Reference number 17Y18

Technical data

| Article number | Spare part for | System width | Thread | Thread length | Material | Quantity unit |
|----------------|--|--------------|--------|---------------|-----------------|---------------|
| 17Y18=M6X11 | 17F31=R26X2.5 17F31=L26X2.5 | 16 mm | M6 | 11 mm | Stainless steel | Piece |
| 17Y18=M7X13 | 17F31=L28X3 17F31=R28X3 17F31=L30X3 17F31=R30X3 | 20 mm | M7 | 13 mm | Stainless steel | Piece |

(4) Bearing ball

Reference number 509Y2

Technical data

| Article number | Spare part for | For system width | Material | Quantity unit |
|----------------|--------------------------------|------------------|-----------------|---------------|
| 509Y2=3/16" | 17F31=R26X2.5 17F31=L26X2.5 | 16 mm | Stainless steel | Piece |

(5) Thrust piece with ball

Reference number 17Y80

Technical data

| Article number | Spare part for | For system width | Quantity unit |
|----------------|--|------------------|---------------|
| 17Y80 | 17F31=L28X3 17F31=R28X3 17F31=L30X3 17F31=R30X3 | 20 mm | Piece |

(6) Compression spring

Reference number 513D18

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|--------------------------------|---------------|
| 513D18=4.7X31 | 17F31=R26X2.5 17F31=L26X2.5 | Piece |
| 513D18=5.5X35 | 17F31=L28X3 17F31=R28X3 | Piece |
| 513D18=5.5X45 | 17F31=L30X3 17F31=R30X3 | Piece |

Accessory for 17F31



Foot stirrup

Reference number 17B58

Technical data

| Article number | Accessories for | Bar width | Thick-ness | Stirrup length | Head Ø | Material | Quantity unit |
|------------------|--------------------------------|-----------|------------|----------------|--------|-----------------|---------------|
| 17B58=26X2.5X145 | 17F31=L26X2.5 17F31=R26X2.5 | 16 mm | 2.5 mm | 145 mm | 26 mm | Stainless steel | Piece |
| 17B58=28X3X165 | 17F31=L28X3 17F31=R28X3 | 20 mm | 3 mm | 165 mm | 28 mm | Stainless steel | Piece |
| 17B58=30X3X165 | 17F31=L30X3 17F31=R30X3 | 20 mm | 3 mm | 165 mm | 30 mm | Stainless steel | Piece |



Shoe stirrup

Reference number 17F33

Technical data

| Article number | Accessories for | Thick-ness | Head Ø | Length from joint centre to joint centre | Material | Quantity unit |
|----------------|--------------------------------|------------|--------|--|-----------------|---------------|
| 17F33=150X2.5 | 17F31=L26X2.5 17F31=R26X2.5 | 2.5 mm | 26 mm | 150 mm | Stainless steel | Piece |
| 17F33=180X2.5 | 17F31=L26X2.5 17F31=R26X2.5 | 2.5 mm | 26 mm | 180 mm | Stainless steel | Piece |
| 17F33=200X2.5 | 17F31=L26X2.5 17F31=R26X2.5 | 2.5 mm | 26 mm | 200 mm | Stainless steel | Piece |
| 17F33=200X3 | 17F31=L28X3 17F31=R28X3 | 3 mm | 28 mm | 200 mm | Stainless steel | Piece |
| 17F33=220X2.5 | 17F31=L26X2.5 17F31=R26X2.5 | 2.5 mm | 26 mm | 220 mm | Stainless steel | Piece |
| 17F33=220X3 | 17F31=L28X3 17F31=R28X3 | 3 mm | 28 mm | 220 mm | Stainless steel | Piece |
| 17F33=240X2.5 | 17F31=L26X2.5 17F31=R26X2.5 | 2.5 mm | 26 mm | 240 mm | Stainless steel | Piece |
| 17F33=240X3 | 17F31=L28X3 17F31=R28X3 | 3 mm | 28 mm | 240 mm | Stainless steel | Piece |
| 17F33=260X2.5 | 17F31=L26X2.5 17F31=R26X2.5 | 2.5 mm | 26 mm | 260 mm | Stainless steel | Piece |
| 17F33=260X3 | 17F31=L30X3 17F31=R30X3 | 3 mm | 30 mm | 260 mm | Stainless steel | Piece |
| 17F33=280X2.5 | 17F31=L26X2.5 17F31=R26X2.5 | 2.5 mm | 26 mm | 280 mm | Stainless steel | Piece |
| 17F33=280X3 | 17F31=L30X3 17F31=R30X3 | 3 mm | 30 mm | 280 mm | Stainless steel | Piece |
| 17F33=300X2.5 | 17F31=L26X2.5 17F31=R26X2.5 | 2.5 mm | 26 mm | 300 mm | Stainless steel | Piece |
| 17F33=300X3 | 17F31=L30X3 17F31=R30X3 | 3 mm | 30 mm | 300 mm | Stainless steel | Piece |

● Up to 420 mm of extra length is available for an additional charge.



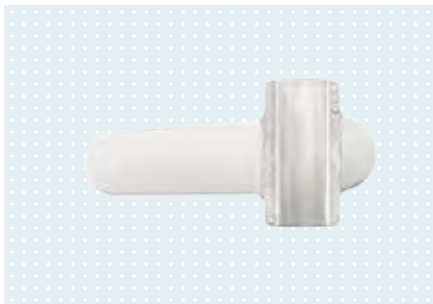
System foot stirrup

Reference number 17B65

for 17F35 system shoe plate

Technical data

| Article number | Accessories for | System width | Thickness | Channel width | Head Ø | Length from joint center | Material | Quantity unit |
|------------------|--------------------------------|--------------|-----------|---------------|--------|--------------------------|-----------------|---------------|
| 17B65=26X2.5X145 | 17F31=L26X2.5 17F31=R26X2.5 | 16 mm | 2.5 mm | 19 mm | 26 mm | 145 mm | Stainless steel | Piece |
| 17B65=28X3X165 | 17F31=L28X3 17F31=R28X3 | 20 mm | 3 mm | 22 mm | 28 mm | 165 mm | Stainless steel | Piece |
| 17B65=30X3X165 | 17F31=L30X3 17F31=R30X3 | 20 mm | 3 mm | 22 mm | 30 mm | 165 mm | Stainless steel | Piece |



System shoe plate, hardened

Reference number 17F35

with insert piece

Technical data

| Article number | Accessories for | Side | Length | Channel width | Insertion depth | System width | Material | Quantity unit |
|----------------|--|-----------|--------|---------------|-----------------|--------------|-----------------|---------------|
| 17F35=L120 | 17F31=L26X2.5 17F31=R26X2.5 | left (L) | 120 mm | 19 mm | 60 mm | 16 mm | Stainless steel | Piece |
| 17F35=L150 | 17F31=L28X3 17F31=L30X3 17F31=R28X3 17F31=R30X3 | left (L) | 150 mm | 22 mm | 80 mm | 20 mm | Stainless steel | Piece |
| 17F35=R120 | 17F31=L26X2.5 17F31=R26X2.5 | right (R) | 120 mm | 19 mm | 60 mm | 16 mm | Stainless steel | Piece |
| 17F35=R150 | 17F31=L28X3 17F31=R28X3 17F31=L30X3 17F31=R30X3 | right (R) | 150 mm | 22 mm | 80 mm | 20 mm | Stainless steel | Piece |



Ankle joint bar

Reference number 17F32



Technical data

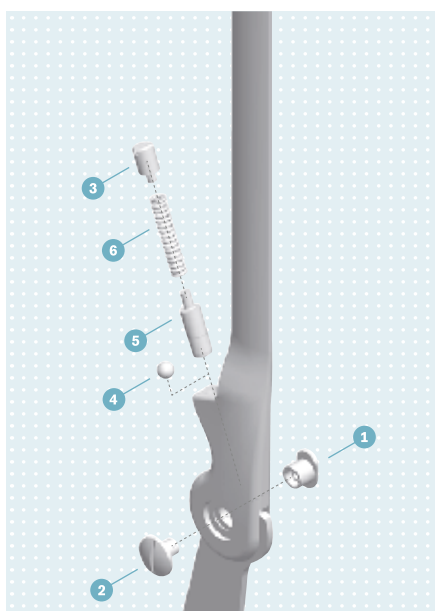
| Article number | Side | Bar width | Joint head Ø | Slot width | Material | Quantity unit |
|----------------|-------|-----------|--------------|------------|-----------|---------------|
| 17F32=L26X2.5 | left | 15 mm | 26 mm | 2.5 mm | Aluminium | Piece |
| 17F32=L28X3 | left | 16 mm | 28 mm | 3 mm | Aluminium | Piece |
| 17F32=L30X3 | left | 17 mm | 30 mm | 3 mm | Aluminium | Piece |
| 17F32=R26X2.5 | right | 15 mm | 26 mm | 2.5 mm | Aluminium | Piece |
| 17F32=R28X3 | right | 16 mm | 28 mm | 3 mm | Aluminium | Piece |
| 17F32=R30X3 | right | 17 mm | 30 mm | 3 mm | Aluminium | Piece |

Information material

646F595=EN_MASTER Ankle joints overview

647G3 Instructions for use – system/leg bars

Spare parts for 17F32



(1) Bearing nut, hardened

Reference number 17Y93

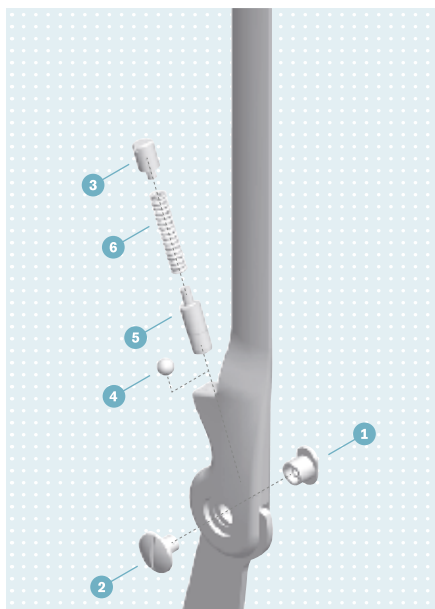
Technical data

| Article number | Spare part for | Insertion length | Profile length | Shank length | Thread | Shoulder Ø | Quantity unit |
|------------------|--|------------------|----------------|--------------|--------|------------|---------------|
| 17Y93=7X6.8XM5 | 17F32=L26X2.5 17F32=R26X2.5 | 5.55 mm | 12 mm | 6.8 mm | M5 | 7 mm | Piece |
| 17Y93=7.5X6.8XM5 | 17F32=L26X2.5 17F32=R26X2.5 | 5.55 mm | 12 mm | 6.8 mm | M5 | 7.5 mm | Piece |
| 17Y93=9X7.2XM6 | 17F32=L28X3 17F32=L30X3 17F32=R28X3 17F32=R30X3 | 6 mm | 14 mm | 7.2 mm | M6 | 9 mm | Piece |
| 17Y93=9.5X7.2XM6 | 17F32=L28X3 17F32=L30X3 17F32=R28X3 17F32=R30X3 | 6 mm | 14 mm | 7.2 mm | M6 | 9.5 mm | Piece |

(2) Slotted truss head screw

Reference number 501S32

| Article number | Spare part for | Length | Overall length | Thread | Head Ø | Material | Quantity unit |
|------------------|--|--------|----------------|--------|--------|-----------------|---------------|
| 501S32=M5X12X9.5 | 17F32=L26X2.5 17F32=R26X2.5 | 9.5 mm | 9.5 mm | M5 | 12 mm | Stainless steel | Piece |
| 501S32=M6X14X10 | 17F32=L28X3 17F32=R28X3 17F32=L30X3 17F32=R30X3 | 10 mm | 10 mm | M6 | 14 mm | Stainless steel | Piece |



(3) Set screw with slot

Reference number 17Y18

Technical data

| Article number | Spare part for | System width | Thread | Thread length | Material | Quantity unit |
|----------------|--|--------------|--------|---------------|-----------------|---------------|
| 17Y18=M6X11 | 17F32=R26X2.5 17F32=L26X2.5 | 16 mm | M6 | 11 mm | Stainless steel | Piece |
| 17Y18=M7X13 | 17F32=L28X3 17F32=R28X3 17F32=R30X3 17F32=L30X3 | 20 mm | M7 | 13 mm | Stainless steel | Piece |

(4) Bearing ball

Reference number 509Y2

Technical data

| Article number | Spare part for | For system width | Material | Quantity unit |
|----------------|--------------------------------|------------------|-----------------|---------------|
| 509Y2=3/16" | 17F32=R26X2.5 17F32=L26X2.5 | 16 mm | Stainless steel | Piece |

(5) Thrust piece with ball

Reference number 17Y80

Technical data

| Article number | Spare part for | For system width | Quantity unit |
|----------------|--|------------------|---------------|
| 17Y80 | 17F32=L30X3 17F32=L28X3 17F32=R28X3 17F32=R30X3 | 20 mm | Piece |

(6) Compression spring

Reference number 513D18

Technical data

| Article number | Spare part for | Length | Shoulder Ø | Quantity unit |
|----------------|--------------------------------|--------|------------|---------------|
| 513D18=4.7X31 | 17F32=R26X2.5 17F32=L26X2.5 | 31 mm | 4.7 mm | Piece |
| 513D18=5.5X35 | 17F32=L28X3 17F32=R28X3 | 35 mm | 5.5 mm | Piece |
| 513D18=5.5X45 | 17F32=R30X3 17F32=L30X3 | 45 mm | 5.5 mm | Piece |

Accessory for 17F32



Foot stirrup

Reference number 17B58

Technical data

| Article number | Accessories for | Bar width | Thick-ness | Stirrup length | Head Ø | Material | Quantity unit |
|------------------|--------------------------------|-----------|------------|----------------|--------|-----------------|---------------|
| 17B58=26X2.5X145 | 17F32=L26X2.5 17F32=R26X2.5 | 16 mm | 2.5 mm | 145 mm | 26 mm | Stainless steel | Piece |
| 17B58=28X3X165 | 17F32=L28X3 17F32=R28X3 | 20 mm | 3 mm | 165 mm | 28 mm | Stainless steel | Piece |
| 17B58=30X3X165 | 17F32=L30X3 17F32=R30X3 | 20 mm | 3 mm | 165 mm | 30 mm | Stainless steel | Piece |

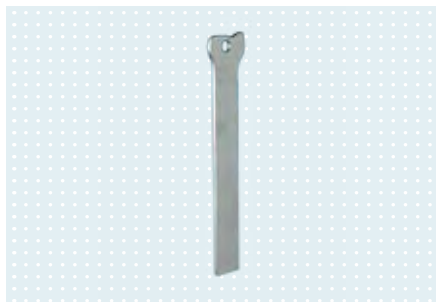


Shoe stirrup

Reference number 17F33

Technical data

| Article number | Accessories for | Thickness | Head Ø | Length from joint centre to joint centre | Material | Quantity unit |
|----------------|--------------------------------|-----------|--------|--|-----------------|---------------|
| 17F33=150X2.5 | 17F32=L26X2.5 17F32=R26X2.5 | 2.5 mm | 26 mm | 150 mm | Stainless steel | Piece |
| 17F33=180X2.5 | 17F32=L26X2.5 17F32=R26X2.5 | 2.5 mm | 26 mm | 180 mm | Stainless steel | Piece |
| 17F33=200X2.5 | 17F32=L26X2.5 17F32=R26X2.5 | 2.5 mm | 26 mm | 200 mm | Stainless steel | Piece |
| 17F33=200X3 | 17F32=L28X3 17F32=R28X3 | 3 mm | 28 mm | 200 mm | Stainless steel | Piece |
| 17F33=220X2.5 | 17F32=L26X2.5 17F32=R26X2.5 | 2.5 mm | 26 mm | 220 mm | Stainless steel | Piece |
| 17F33=220X3 | 17F32=L28X3 17F32=R28X3 | 3 mm | 28 mm | 220 mm | Stainless steel | Piece |
| 17F33=240X2.5 | 17F32=L26X2.5 17F32=R26X2.5 | 2.5 mm | 26 mm | 240 mm | Stainless steel | Piece |
| 17F33=240X3 | 17F32=L28X3 17F32=R28X3 | 3 mm | 28 mm | 240 mm | Stainless steel | Piece |
| 17F33=260X2.5 | 17F32=L26X2.5 17F32=R26X2.5 | 2.5 mm | 26 mm | 260 mm | Stainless steel | Piece |
| 17F33=260X3 | 17F32=L30X3 17F32=R30X3 | 3 mm | 30 mm | 260 mm | Stainless steel | Piece |
| 17F33=280X2.5 | 17F32=L26X2.5 17F32=R26X2.5 | 2.5 mm | 26 mm | 280 mm | Stainless steel | Piece |
| 17F33=280X3 | 17F32=L30X3 17F32=R30X3 | 3 mm | 30 mm | 280 mm | Stainless steel | Piece |
| 17F33=300X2.5 | 17F32=L26X2.5 17F32=R26X2.5 | 2.5 mm | 26 mm | 300 mm | Stainless steel | Piece |
| 17F33=300X3 | 17F32=L30X3 17F32=R30X3 | 3 mm | 30 mm | 300 mm | Stainless steel | Piece |



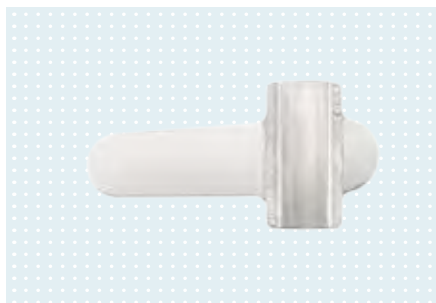
System foot stirrup

Reference number 17B65

for 17F35 system shoe plate

Technical data

| Article number | Accessories for | System width | Thick-ness | Channel width | Head Ø | Length from joint center | Material | Quantity unit |
|------------------|--------------------------------|--------------|------------|---------------|--------|--------------------------|-----------------|---------------|
| 17B65=26X2.5X145 | 17F32=L26X2.5 17F32=R26X2.5 | 16 mm | 2.5 mm | 19 mm | 26 mm | 145 mm | Stainless steel | Piece |
| 17B65=28X3X165 | 17F32=L28X3 17F32=R28X3 | 20 mm | 3 mm | 22 mm | 28 mm | 165 mm | Stainless steel | Piece |
| 17B65=30X3X165 | 17F32=L30X3 17F32=R30X3 | 20 mm | 3 mm | 22 mm | 30 mm | 165 mm | Stainless steel | Piece |



System shoe plate, hardened

Reference number 17F35

Technical data

| Article number | Accessories for | Side | Length | Channel width | Material | Quantity unit |
|----------------|--|-----------|--------|---------------|-----------------|---------------|
| 17F35=L120 | 17F32=L26X2.5 17F32=R26X2.5 | left (L) | 120 mm | 19 mm | Stainless steel | Piece |
| 17F35=L150 | 17F32=L28X3 17F32=L30X3 17F32=R28X3 17F32=R30X3 | left (L) | 150 mm | 22 mm | Stainless steel | Piece |
| 17F35=R120 | 17F32=L26X2.5 17F32=R26X2.5 | right (R) | 120 mm | 19 mm | Stainless steel | Piece |
| 17F35=R150 | 17F32=L28X3 17F32=L30X3 17F32=R28X3 17F32=R30X3 | right (R) | 150 mm | 22 mm | Stainless steel | Piece |



System ankle joint

Reference number 17B63

Joint with dorsiflexion function and dorsal stop to be established by filing the foot stirrup
Contoured medial joint, straight lateral joint, with compression spring



Technical data

| Article number | System width | Side | Joint head Ø | Slot width | Length from joint center | Material | Quantity unit |
|----------------|--------------|-----------|--------------|------------|--------------------------|-----------------|---------------|
| 17B63=L16 | 16 mm | left (L) | 26 mm | 2.5 mm | 57 mm | Stainless steel | Pair |
| 17B63=L20 | 20 mm | left (L) | 28 mm | 3 mm | 66 mm | Stainless steel | Pair |
| 17B63=R16 | 16 mm | right (R) | 26 mm | 2.5 mm | 57 mm | Stainless steel | Pair |
| 17B63=R20 | 20 mm | right (R) | 28 mm | 3 mm | 66 mm | Stainless steel | Pair |

Information material

| | |
|-------------------|--|
| 646D1306=EN_INT | Ankle joint selection guide |
| 646F595=EN_MASTER | Ankle joints overview |
| 646F465=ALL_INT | AFO selection guide |
| 647G2 | Instructions for use – system/leg bars |

i Practical recommendation 17B63

- Increased wear and tear to the spring due to fully compressing it.
- We recommend using 636K8=20X2X10 Plastaband to isolate the joints for the lamination resin technique.



System ankle joint

Reference number 17B59

Joint with dorsiflexion function and dorsal stop to be established by filing the foot stirrup
Straight medial and lateral joints, with compression spring



Technical data

| Article number | System width | Joint head Ø | Slot width | Length from joint center | Material | Quantity unit |
|----------------|--------------|--------------|------------|--------------------------|-----------------|---------------|
| 17B59=16 | 16 mm | | 2.5 mm | 57 mm | Stainless steel | Pair |
| 17B59=20 | 20 mm | | 3 mm | 66 mm | Stainless steel | Pair |

Information material

| | |
|-------------------|--|
| 646F595=EN_MASTER | Ankle joints overview |
| 647G2 | Instructions for use – system/leg bars |

i Practical recommendation 17B59

- Increased wear of the spring due to fully compressing it.
- We recommend using 636K8=20X2X10 Plastaband to isolate the joints for the lamination resin technique.



System ankle joint

Reference number 17B53

Joint with dorsiflexion function and foot stirrup with dorsal stop that can be filed
Contoured medial and lateral joints, with compression spring



Technical data

| Article number | System width | Joint head Ø | Slot width | Length from joint center | Material | Quantity unit |
|----------------|--------------|--------------|------------|--------------------------|-----------------|---------------|
| 17B53=16 | 16 mm | 26 mm | 2.5 mm | 57 mm | Stainless steel | Pair |
| 17B53=20 | 20 mm | 28 mm | 3 mm | 66 mm | Stainless steel | Pair |

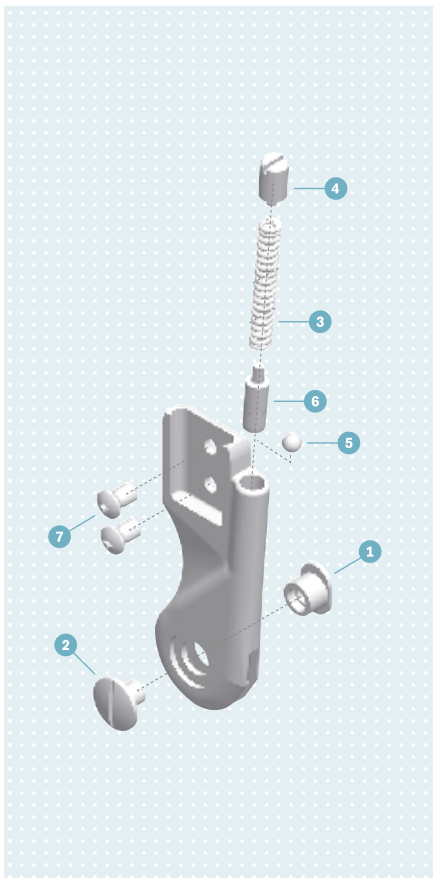
Information material

| | |
|-------------------|--|
| 646F595=EN_MASTER | Ankle joints overview |
| 647G2 | Instructions for use – system/leg bars |

i Practical recommendation 17B53

- Increased wear of the spring due to fully compressing it.
- We recommend using 636K8=20X2X10 Plastaband to isolate the joints for the lamination resin technique.

Spare parts for 17B63, 17B59, 17B53



(1) Bearing nut, hardened

Reference number 17Y93

Technical data

| Article number | Spare part for | Insertion length | Profile length | Shank length | Thread | Shoulder Ø | Quantity unit |
|----------------|--|------------------|----------------|--------------|--------|------------|---------------|
| 17Y93=7X6.8XM5 | 17B53=16 17B59=16 17B63=L16 17B63=R16 | 5.55 mm | 12 mm | 6.8 mm | M5 | 7 mm | Piece |
| 17Y93=9X7.2XM6 | 17B53=20 17B63=L20 17B63=R20 17B59=20 | 6 mm | 14 mm | 7.2 mm | M6 | 9 mm | Piece |

(2) Slotted truss head screw

Reference number 501S32

Technical data

| Article number | System width | Head Ø | Thread | Overall length | Material | Quantity unit |
|------------------|--------------|--------|--------|----------------|-----------------|---------------|
| 501S32=M5X12X9.5 | 16 mm | 12 mm | M5 | 9.5 mm | Stainless steel | Piece |
| 501S32=M6X14X10 | 16/ 20 mm | 14 mm | M6 | 10 mm | Stainless steel | Piece |

(3) Compression spring

Reference number 513D18

Technical data

| Article number | System width | Length | Shoulder Ø | Quantity unit |
|----------------|--------------|--------|------------|---------------|
| 513D18=4.7X31 | 16 mm | 31 mm | 4.7 mm | Piece |
| 513D18=5.5X35 | 20 mm | 35 mm | 5.5 mm | Piece |

(4) Set screw with slot

Reference number 17Y18

Technical data

| Article number | Spare part for | System width | Thread | Thread length | Material | Quantity unit |
|----------------|--|--------------|--------|---------------|-----------------|---------------|
| 17Y18=M6X11 | 17B53=16 17B59=16 17B63=L16 17B63=R16 | 16 mm | M6 | 11 mm | Stainless steel | Piece |
| 17Y18=M7X13 | 17B63=L20 17B63=R20 17B59=20 17B53=20 | 20 mm | M7 | 13 mm | Stainless steel | Piece |

(5) Bearing ball

Reference number 509Y2

Technical data

| Article number | Spare part for | For system width | Material | Quantity unit |
|----------------|--|------------------|-----------------|---------------|
| 509Y2=3/16" | 17B53=16 17B59=16 17B63=L16 17B63=R16 | 16 mm | Stainless steel | Piece |

(6) Thrust piece with ball

Reference number 17Y80

Technical data

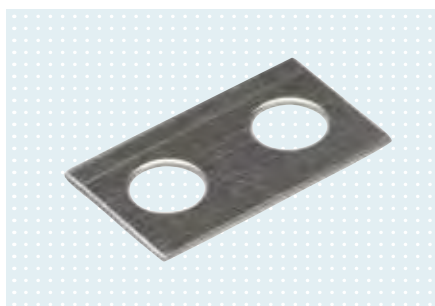
| Article number | Spare part for | For system width | Quantity unit |
|----------------|--|------------------|---------------|
| 17Y80 | 17B63=L20 17B63=R20 17B59=20 17B53=20 | 20 mm | Piece |

(7) Phillips oval countersunk head screw

Reference number 501T7

Technical data

| Article number | Head Ø | Length | Material | Quantity unit |
|----------------|--------|--------|-----------------|---------------|
| 501T7=7.5X9XM5 | 7.5 mm | 9 mm | Stainless steel | Piece |



Shim plate

Reference number 17Y42

To compensate for the difference in thickness between 4 mm thick side bars and 5 mm thick connections of the system joints

Technical data

| Article number | For bar width | Plate width | Material |
|----------------|---------------|-------------|-----------------|
| 17Y42=12 | 16 mm | 12 mm | Stainless steel |
| 17Y42=15 | 20 mm | 15 mm | Stainless steel |



Brass bushing

Reference number 17Y17

Brass bushing for joint centre piece

Technical data

| Article number | System width | Material | Quantity unit |
|----------------|--------------|----------|---------------|
| 17Y17=7X9X2.4 | 16 mm | Brass | Piece |
| 17Y17=9X11X2.9 | 20 mm | Brass | Piece |

Accessory for 17B63, 17B59, 17B53



System foot stirrup

Reference number 17B108

With brass bushing, dorsal stop that can be filed and 20° plantar flexion



Technical data

| Article number | System width | Thickness | Length from joint center | Material | Quantity unit |
|----------------|--------------|-----------|--------------------------|-----------------|---------------|
| 17B108=145X2.5 | 16 mm | 2.5 mm | 145 mm | Stainless steel | Piece |
| 17B108=165X3 | 20 mm | 3 mm | 165 mm | Stainless steel | Piece |



System lamination foot stirrup

Reference number 17B99

Free motion up to 20° dorsal extension and 20° plantar flexion, with brass bushing



Technical data

| Article number | System width | Thickness | Length from joint center | Material | Quantity unit |
|----------------|--------------|-----------|--------------------------|-----------------|---------------|
| 17B99=16 | 16 mm | 2.5 mm | 63 mm | Stainless steel | Piece |
| 17B99=20 | 20 mm | 3 mm | 63 mm | Stainless steel | Piece |



System lamination foot stirrup

Reference number 17B101

With dorsal stop and 20° plantar flexion, with brass bushing



Technical data

| Article number | System width | Thickness | Length from joint center | Material | Quantity unit |
|----------------|--------------|-----------|--------------------------|-----------------|---------------|
| 17B101=16 | 16 mm | 2.5 mm | 63 mm | Stainless steel | Piece |
| 17B101=20 | 20 mm | 3 mm | 63 mm | Stainless steel | Piece |



Foot stirrup

Reference number 17B107

With dorsal stop that can be filed and 20° plantar flexion, with brass bushing



Technical data

| Article number | System width | Thickness | Stirrup length | Stirrup width | Length from joint center | Material | Quantity unit |
|----------------|--------------|-----------|----------------|---------------|--------------------------|-----------------|---------------|
| 17B107=145X2.5 | 16 mm | 2.5 mm | 145 mm | 19 mm | 145 mm | Stainless steel | Piece |
| 17B107=165X3 | 20 mm | 3 mm | 165 mm | 22 mm | 165 mm | Stainless steel | Piece |



System shoe stirrup

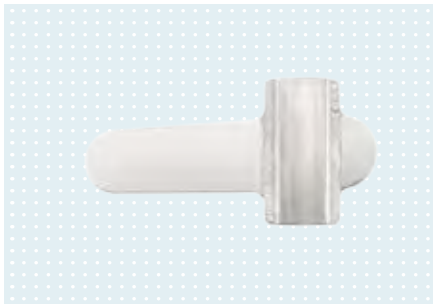
Reference number 17F70

With brass bushing, dorsal stop that can be filed and 20° plantar flexion



Technical data

| Article number | System width | Thickness | Length from joint centre to joint centre | Quantity unit |
|----------------|--------------|-----------|--|---------------|
| 17F70=150X2.5 | 16 mm | 2.5 mm | 150 mm | Piece |
| 17F70=180X2.5 | 16 mm | 2.5 mm | 180 mm | Piece |
| 17F70=200X2.5 | 16 mm | 2.5 mm | 200 mm | Piece |
| 17F70=220X2.5 | 16 mm | 2.5 mm | 220 mm | Piece |
| 17F70=240X2.5 | 16 mm | 2.5 mm | 240 mm | Piece |
| 17F70=260X2.5 | 16 mm | 2.5 mm | 260 mm | Piece |
| 17F70=280X2.5 | 16 mm | 2.5 mm | 280 mm | Piece |
| 17F70=300X2.5 | 16 mm | 2.5 mm | 300 mm | Piece |
| 17F70=200X3 | 20 mm | 3 mm | 200 mm | Piece |
| 17F70=220X3 | 20 mm | 3 mm | 220 mm | Piece |
| 17F70=240X3 | 20 mm | 3 mm | 240 mm | Piece |
| 17F70=260X3 | 20 mm | 3 mm | 260 mm | Piece |
| 17F70=280X3 | 20 mm | 3 mm | 280 mm | Piece |
| 17F70=300X3 | 20 mm | 3 mm | 300 mm | Piece |
| 17F70=320X3 | 20 mm | 3 mm | 320 mm | Piece |
| 17F70=340X3 | 20 mm | 3 mm | 340 mm | Piece |
| 17F70=360X3 | 20 mm | 3 mm | 360 mm | Piece |
| 17F70=380X3 | 20 mm | 3 mm | 380 mm | Piece |
| 17F70=400X3 | 20 mm | 3 mm | 400 mm | Piece |
| 17F70=420X3 | 20 mm | 3 mm | 420 mm | Piece |



System shoe plate, hardened

Reference number 17F35

With insert piece

Technical data

| Article number | Accessories for | Side | Length | Channel width | Material | Quantity unit |
|----------------|--|-----------|--------|---------------|-----------------|---------------|
| 17F35=L120 | 17B53=16 17B59=16 17B63=L16 17B63=R16 | left (L) | 120 mm | 19 mm | Stainless steel | Piece |
| 17F35=L150 | 17B53=20 17B59=20 17B63=L20 17B63=R20 | left (L) | 150 mm | 22 mm | Stainless steel | Piece |
| 17F35=R120 | 17B53=16 17B59=16 17B63=L16 17B63=R16 | right (R) | 120 mm | 19 mm | Stainless steel | Piece |
| 17F35=R150 | 17B53=20 17B59=20 17B63=L20 17B63=R20 | right (R) | 150 mm | 22 mm | Stainless steel | Piece |



System lamination bar

Reference number 17Y128

The system lamination bars are glued with Ottobock special adhesive.

Technical data

| Article number | System width | Length | Thickness | Material | Quantity unit |
|----------------|--------------|--------|-----------|-----------------|---------------|
| 17Y128=16X80 | 16 mm | 80 mm | 4 mm | Stainless steel | Piece |
| 17Y128=20X80 | 20 mm | 80 mm | 4 mm | Stainless steel | Piece |
| 17Y128=16X100 | 16 mm | 100 mm | 4 mm | Stainless steel | Piece |
| 17Y128=20X100 | 20 mm | 100 mm | 4 mm | Stainless steel | Piece |



System lamination bar with contoured calf

Reference number 17Y129

The system lamination bars are glued with Ottobock special adhesive.

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17Y129=L16 | left (L) | 16 mm | 100 mm | 4 mm | Piece |
| 17Y129=R16 | right (R) | 16 mm | 100 mm | 4 mm | Piece |
| 17Y129=L20 | left (L) | 20 mm | 100 mm | 4 mm | Piece |
| 17Y129=R20 | right (R) | 20 mm | 100 mm | 4 mm | Piece |

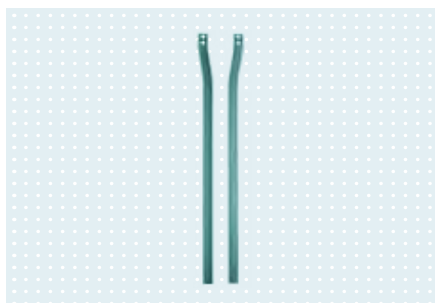


Lower leg side bar

Reference number 17B5

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17B5=L16 | left (L) | 16 mm | 450 mm | 4 mm | Piece |
| 17B5=R16 | right (R) | 16 mm | 450 mm | 4 mm | Piece |
| 17B5=L16-T | left (L) | 16 mm | 450 mm | 4 mm | Piece |
| 17B5=R16-T | right (R) | 16 mm | 450 mm | 4 mm | Piece |
| 17B5=L20 | left (L) | 20 mm | 450 mm | 4 mm | Piece |
| 17B5=R20 | right (R) | 20 mm | 450 mm | 4 mm | Piece |
| 17B5=L20-T | left (L) | 20 mm | 450 mm | 4 mm | Piece |
| 17B5=R20-T | right (R) | 20 mm | 450 mm | 4 mm | Piece |



Lower leg side bar

Reference number 17B7

Lower leg side bar for the 17B39 system side bar set

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17B7=L16 | left (L) | 16 mm | 450 mm | 5 mm | Piece |
| 17B7=R16 | right (R) | 16 mm | 450 mm | 5 mm | Piece |
| 17B7=L20 | left (L) | 20 mm | 450 mm | 5 mm | Piece |
| 17B7=R20 | right (R) | 20 mm | 450 mm | 5 mm | Piece |



Lower leg side bar

Reference number 17B87

Lower leg side bar for the 17B84 system side bar set

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17B87=L16 | left (L) | 16 mm | 450 mm | 4 mm | Piece |
| 17B87=R16 | right (R) | 16 mm | 450 mm | 4 mm | Piece |
| 17B87=L20 | left (L) | 20 mm | 450 mm | 4 mm | Piece |
| 17B87=R20 | right (R) | 20 mm | 450 mm | 4 mm | Piece |



Lower leg side bar

Reference number 17B89

Lower leg side bar for 17B85

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17B89=L16 | left (L) | 16 mm | 450 mm | 5 mm | Piece |
| 17B89=R16 | right (R) | 16 mm | 450 mm | 5 mm | Piece |
| 17B89=L20 | left (L) | 20 mm | 450 mm | 5 mm | Piece |
| 17B89=R20 | right (R) | 20 mm | 450 mm | 5 mm | Piece |



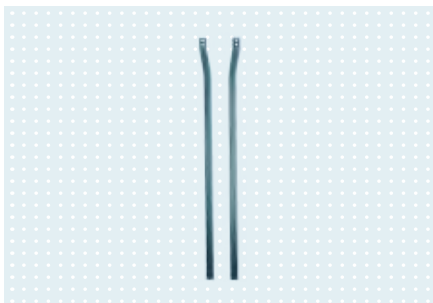
Lower leg side bar

Reference number 17B102

Lower leg side bar made of stainless steel

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17B102=L16 | left (L) | 16 mm | 560 mm | 4 mm | Piece |
| 17B102=R16 | right (R) | 16 mm | 560 mm | 4 mm | Piece |
| 17B102=L20 | left (L) | 20 mm | 560 mm | 4 mm | Piece |
| 17B102=R20 | right (R) | 20 mm | 560 mm | 4 mm | Piece |



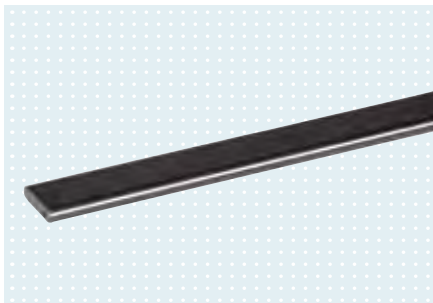
Lower leg side bar

Reference number 17B104

Lower leg side bar from the 17B41 side bar set

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17B104=L16 | left (L) | 16 mm | 560 mm | 5 mm | Piece |
| 17B104=R16 | right (R) | 16 mm | 560 mm | 5 mm | Piece |
| 17B104=L20 | left (L) | 20 mm | 560 mm | 5 mm | Piece |
| 17B104=R20 | right (R) | 20 mm | 560 mm | 5 mm | Piece |



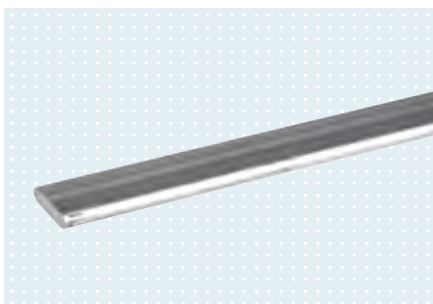
Stainless steel profile rod

Reference number 651P4

Suitable for fabricating system bars, with rounded edges, strength of approx. 800–950 N/mm², spot weldable

Technical data

| Article number | Length | Width | Thickness |
|----------------|----------|-------|-----------|
| 651P4=16 | 2,000 mm | 16 mm | 4 mm |
| 651P4=20 | 2,000 mm | 20 mm | 4 mm |



Light metal profile bar

Reference number 605P8

Suitable for fabricating system splints, with rounded edges, strength approx. 400 N/mm²

Technical data

| Article number | Length | Width | Thickness |
|----------------|----------|-------|-----------|
| 605P8=16 | 2,000 mm | 16 mm | 5 mm |
| 605P8=20 | 2,000 mm | 20 mm | 5 mm |



System side bar set

Reference number 17B38

Flat, consisting of two 17B4 and 17B4=T upper side bars and one 17B5 and 17B5=T lower side bar each for the left and right sides, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B38=16 | 16 mm | 4 mm | Set |
| 17B38=16-T | 16 mm | 4 mm | Set |
| 17B38=20 | 20 mm | 4 mm | Set |
| 17B38=20-T | 20 mm | 4 mm | Set |



System side bar set

Reference number 17B39

Consisting of two upper side bars and one left and one right lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B39=16 | 16 mm | 5 mm | Set |
| 17B39=20 | 20 mm | 5 mm | Set |



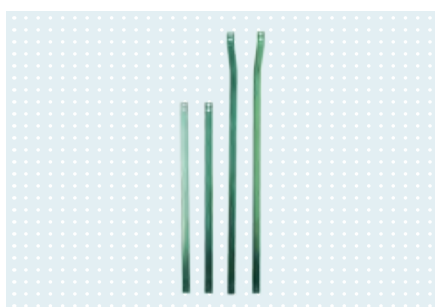
System side bar set

Reference number 17B85

Concave, consisting of two 17B88 upper side bars and one left and one right 17B89 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B85=16 | 16 mm | 5 mm | Set |
| 17B85=20 | 20 mm | 5 mm | Set |



System side bar set

Reference number 17B40

Overlength, flat, consisting of two 17B4 upper side bars and one left and one right 17B102 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B40=16 | 16 mm | 4 mm | Set |
| 17B40=20 | 20 mm | 4 mm | Set |



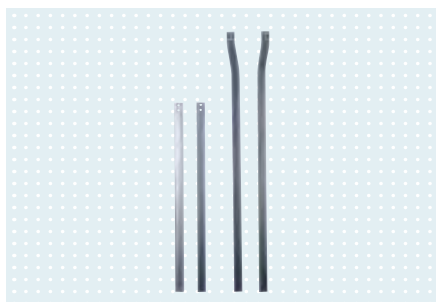
System side bar set

Reference number 17B84

Concave, consisting of two 17B86 upper side bars and one left and one right 17B87 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B84=16 | 16 mm | 4 mm | Set |
| 17B84=20 | 20 mm | 4 mm | Set |



System side bar set, extra long

Reference number 17B41

Consisting of two 17B6 upper side bars and one left and one right 17B104 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B41=16 | 16 mm | 5 mm | Set |
| 17B41=20 | 20 mm | 5 mm | Set |



Multifunction orthotic ankle joint

Reference number 17AD1

For use in thermoplastic ankle-foot orthoses. Dorsal and plantar limitation or spring support. With parallel alignment tool.



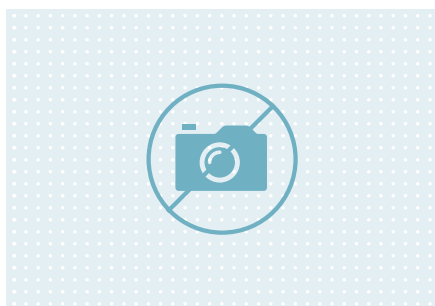
Technical data

| Article number | Max. body weight | Overall length upper section – foot stirrup | Material | Quantity unit |
|----------------|------------------|---|-----------------|---------------|
| 17AD1=120 | 100 kg | 120 mm | Stainless steel | Pair |
| 17AD1=93 | 35 kg | 93 mm | Stainless steel | Pair |

Information material

| | |
|-------------------|---|
| 646D1279=EN_INT | Conventional joint bar system information for practitioners |
| 646D1306=EN_INT | Ankle joint selection guide |
| 646F595=EN_MASTER | Ankle joints overview |
| 646F465=ALL_INT | AFO selection guide |
| 647G166=ALL_INT | 17AD1/17AF2 instructions for use |

Spare part for 17AD1



Service set

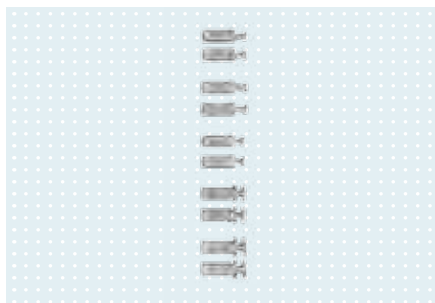
Reference number 17AS=19

Service set for 17AD1

Technical data

| Article number | Scope of delivery |
|----------------|--|
| 17AS=19 | Bearing nut Compression spring Flat round disk with slot Red washer |

Accessory for 17AD1



Alignment insert set

Reference number 743Y57

Technical data

| Article number | Accessories for |
|----------------|-----------------------|
| 743Y57 | 17AD1=120 17AD1=93 |



Unilateral system ankle joint

Reference number 17LA3N

The 17LA3N unilateral ankle joint is a multifunction system ankle joint with a dorsiflexion effect.



Technical data

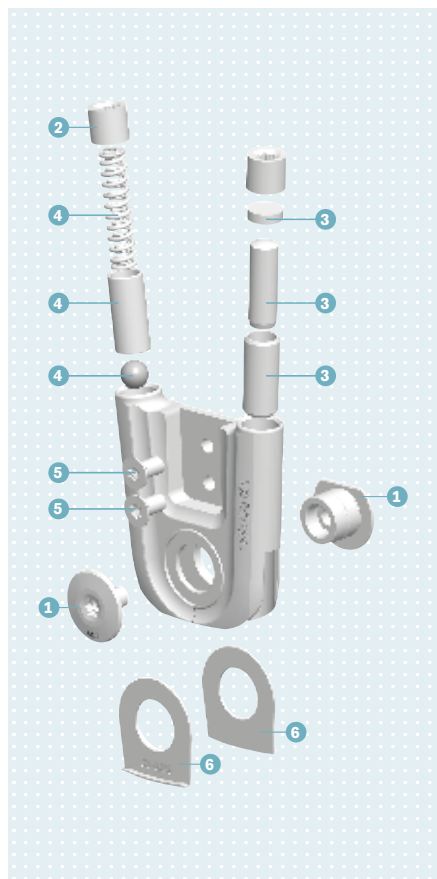
| Article number | System width | Max. body weight | Material | Quantity unit |
|----------------|--------------|---|----------|---------------|
| 17LA3N=10 | 10 mm | 15 kg (unilateral) / 25 kg (bilateral) | Steel | Piece |
| 17LA3N=10-T | 10 mm | 15 kg (unilateral) / 25 kg (bilateral) | Titanium | Piece |
| 17LA3N=12 | 12 mm | 20 kg (unilateral) / 40 kg (bilateral) | Steel | Piece |
| 17LA3N=12-T | 12 mm | 20 kg (unilateral) / 40 kg (bilateral) | Titanium | Piece |
| 17LA3N=14 | 14 mm | 50 kg (unilateral) / 80 kg (bilateral) | Steel | Piece |
| 17LA3N=14-T | 14 mm | 50 kg (unilateral) / 80 kg (bilateral) | Titanium | Piece |
| 17LA3N=16 | 16 mm | 85 kg (unilateral) / 120 kg (bilateral) | Steel | Piece |
| 17LA3N=16-T | 16 mm | 85 kg (unilateral) / 120 kg (bilateral) | Titanium | Piece |
| 17LA3N=20 | 20 mm | 110 kg (unilateral) / 160 kg (bilateral) | Steel | Piece |
| 17LA3N=20-T | 20 mm | 110 kg (unilateral) / 160 kg (bilateral) | Titanium | Piece |

Information material

| | |
|-------------------|--|
| 646D789=EN_INT | Unilateral joint system information for practitioners |
| 647F473=EN_INT | Unilateral joint system order form |
| 646D1306=EN_INT | Ankle joint selection guide |
| 646F595=EN_MASTER | Ankle joints overview |
| 646F465=ALL_INT | AFO selection guide |
| 646F464=ALL_INT | KAFO selection guide |
| 646T5441=EN_INT | Technical information – Fabrication of a definitive KAFO |
| 647G1252=ALL_INT | 17LA3N instructions for use |

- When using the product unilaterally, the next higher size must be used in cases where there is flexion contracture in the knee or hip greater than 10°; or distinct torsion or valgus/varus instabilities; or increased physical activity.
- Use the product bilaterally if there is any ischial support or valgus/varus malpositions greater than 10°
- Lamination bar and foot stirrup are not included in scope of delivery! Please order separately.

Spare parts for 17LA3N



(1) Spare part set screwing

Reference number 17LA32N

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|--------------------------|---------------|
| 17LA32N=10 | 17LA3N=10 17LA3N=10-T | Piece |
| 17LA32N=12 | 17LA3N=12 17LA3N=12-T | Piece |
| 17LA32N=14 | 17LA3N=14 17LA3N=14-T | Piece |
| 17LA32N=16 | 17LA3N=16 17LA3N=16-T | Piece |
| 17LA32N=20 | 17LA3N=20 17LA3N=20-T | Piece |

(2) Set screw

Reference number 30Y309

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|--|---------------|
| 30Y309=12 | 17LA3N=14 17LA3N=14-T | Piece |
| 30Y309=20 | 17LA3N=16 17LA3N=16-T 17LA3N=20 17LA3N=20-T | Piece |

(2) Set screw

Reference number 30Y349

Technical data

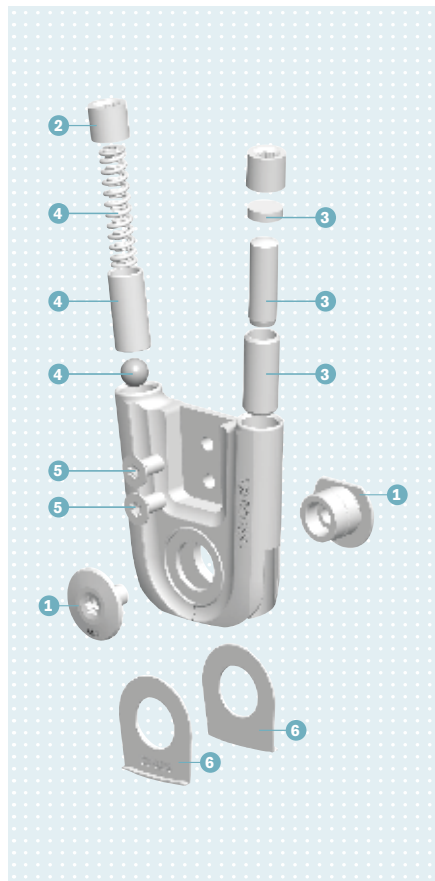
| Article number | Spare part for | Quantity unit |
|----------------|--|---------------|
| 30Y349=12 | 17LA3N=10 17LA3N=10-T 17LA3N=12 17LA3N=12-T | Piece |

(3) Adjustable stop

Reference number 17LA35N

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|--|---------------|
| 17LA35N=12 | 17LA3N=10 17LA3N=10-T 17LA3N=12 17LA3N=12-T | Piece |
| 17LA35N=14 | 17LA3N=14 17LA3N=14-T | Piece |
| 17LA35N=20 | 17LA3N=16 17LA3N=16-T 17LA3N=20 17LA3N=20-T | Piece |



(4) Compression spring set

Reference number 17LA34N

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|--|---------------|
| 17LA34N=12 | 17LA3N=10 17LA3N=10-T 17LA3N=12 17LA3N=12-T | Piece |
| 17LA34N=14 | 17LA3N=14 17LA3N=14-T | Piece |
| 17LA34N=16 | 17LA3N=16 17LA3N=16-T | Piece |
| 17LA34N=20 | 17LA3N=20 17LA3N=20-T | Piece |

(5) Countersunk head Torx screw

Reference number 501S137

Technical data

| Article number | Spare part for | Quantity unit |
|-----------------|--|---------------|
| 501S137=M4X8 | 17LA3N=10 17LA3N=10-T 17LA3N=12 17LA3N=12-T | Piece |
| 501S137=M4X10-2 | 17LA3N=14 17LA3N=14-T | Piece |
| 501S137=M5X10-1 | 17LA3N=16 17LA3N=16-T 17LA3N=20 17LA3N=20-T | Piece |

(6) Axial washers set

Reference number 17LA33N

Technical data

| Article number | Spare part for | Scope of delivery | Quantity unit |
|----------------|--------------------------|--|---------------|
| 17LA33N=10 | 17LA3N=10 17LA3N=10-T | 30Y344=10X0.70 30Y344=10X0.75 30Y344=10X0.80 30Y344=10X0.85 30Y344=10X0.90 | Set |
| 17LA33N=12 | 17LA3N=12 17LA3N=12-T | 30Y305=12X0.70 30Y305=12X0.75 30Y305=12X0.80 30Y305=12X0.85 30Y305=12X0.90 | Set |
| 17LA33N=14 | 17LA3N=14 17LA3N=14-T | 30Y305=14X0.85 30Y305=14X0.90 30Y305=14X0.95 30Y305=14X1.00 30Y305=14X1.05 30Y305=14X1.10 | Set |
| 17LA33N=16 | 17LA3N=16 17LA3N=16-T | 30Y344=16X0.85 30Y344=16X0.90 30Y344=16X0.95 30Y344=16X1.00 30Y344=16X1.05 30Y344=16X1.10 | Set |
| 17LA33N=20 | 17LA3N=20 17LA3N=20-T | 30Y305=20X0.85 30Y305=20X0.90 30Y305=20X0.95 30Y305=20X1.00 30Y305=20X1.05 30Y305=20X1.10 | Set |



Dummy cover

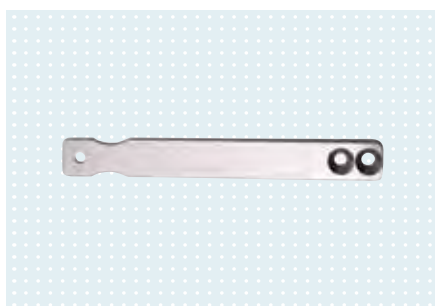
Reference number 17LD1N-P

Cover for 17LD1N lamination dummy

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|--------------------------|-----------------|---------------|
| 17LD1N=10-P | 17LA3N=10 17LA3N=10-T | Stainless steel | Piece |
| 17LD1N=12-P | 17LA3N=12 17LA3N=12-T | Stainless steel | Piece |
| 17LD1N=14-P | 17LA3N=14 17LA3N=14-T | Stainless steel | Piece |
| 17LD1N=16-P | 17LA3N=16 17LA3N=16-T | Stainless steel | Piece |
| 17LD1N=20-P | 17LA3N=20 17LA3N=20-T | Stainless steel | Piece |

Accessory for 17LA3N



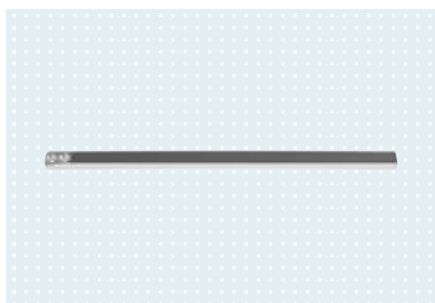
Lamination bar

Reference number 17LS3



Technical data

| Article number | Length | Width | Thickness | Material | Quantity unit |
|----------------|--------|-------|------------------------|-----------------|---------------|
| 17LS3=10 | 80 mm | 10 mm | 5 mm bottom/3 mm top | Stainless steel | Piece |
| 17LS3=10-T | 80 mm | 10 mm | 5 mm bottom/3 mm top | Titanium | Piece |
| 17LS3=12 | 80 mm | 12 mm | 5 mm bottom/3 mm top | Stainless steel | Piece |
| 17LS3=12-T | 80 mm | 12 mm | 5 mm bottom/3 mm top | Titanium | Piece |
| 17LS3=14 | 100 mm | 14 mm | 6 mm bottom/2.5 mm top | Stainless steel | Piece |
| 17LS3=14-T | 100 mm | 14 mm | 6 mm bottom/2.5 mm top | Titanium | Piece |
| 17LS3=16 | 130 mm | 16 mm | 6 mm bottom/3 mm top | Stainless steel | Piece |
| 17LS3=16-T | 130 mm | 16 mm | 6 mm bottom/3 mm top | Titanium | Piece |
| 17LS3=20 | 130 mm | 20 mm | 6 mm bottom/3 mm top | Stainless steel | Piece |
| 17LS3=20-T | 130 mm | 20 mm | 6 mm bottom, 3 mm top | Titanium | Piece |



Side bar

Reference number 17LV3

Side bar for the unilateral joint system

Technical data

| Article number | Width | Material | Quantity unit |
|----------------|-------|-----------------|---------------|
| 17LV3=10 | 10 mm | Stainless steel | Piece |
| 17LV3=12 | 12 mm | Stainless steel | Piece |
| 17LV3=16 | 16 mm | Stainless steel | Piece |
| 17LV3=20 | 20 mm | Stainless steel | Piece |
| 17LV3=L-16 | 16 mm | Stainless steel | Piece |
| 17LV3=L-20 | 20 mm | Stainless steel | Piece |
| 17LV3=R-16 | 16 mm | Stainless steel | Piece |
| 17LV3=R-20 | 20 mm | Stainless steel | Piece |



Lamination dummy for unilateral orthotic ankle joint incl. shoulder screw

Reference number 17LD1N

Technical data

| Article number | Accessories for | Material | Quantity unit |
|----------------|--------------------------|-----------------|---------------|
| 17LD1N=10 | 17LA3N=10 17LA3N=10-T | Stainless steel | Piece |
| 17LD1N=12 | 17LA3N=12 17LA3N=12-T | Stainless steel | Piece |
| 17LD1N=14 | 17LA3N=14 17LA3N=14-T | Stainless steel | Piece |
| 17LD1N=16 | 17LA3N=16 17LA3N=16-T | Stainless steel | Piece |
| 17LD1N=20 | 17LA3N=20 17LA3N=20-T | Stainless steel | Piece |



Foot stirrup

Reference number 17LF3N

Free motion up to 20° plantar flexion and 20° dorsal extension, only in combination with the 17LA3N=* orthotic ankle joint



Technical data

| Article number | Accessories for | Material | Quantity unit |
|----------------|--------------------------|-----------------|---------------|
| 17LF3N=10 | 17LA3N=10 17LA3N=10-T | Stainless steel | Piece |
| 17LF3N=12 | 17LA3N=12 17LA3N=12-T | Stainless steel | Piece |
| 17LF3N=14 | 17LA3N=14 17LA3N=14-T | Stainless steel | Piece |
| 17LF3N=16 | 17LA3N=16 17LA3N=16-T | Stainless steel | Piece |
| 17LF3N=20 | 17LA3N=20 17LA3N=20-T | Stainless steel | Piece |



Foot stirrup

Reference number 17LF31N

Free motion up to 20° plantar flexion and 20° dorsal extension, only in combination with the 17LA3N=* orthotic ankle joint



Technical data

| Article number | Accessories for | Material | Quantity unit |
|----------------|--------------------------|-----------------|---------------|
| 17LF31N=10 | 17LA3N=10 17LA3N=10-T | Stainless steel | Piece |
| 17LF31N=12 | 17LA3N=12 17LA3N=12-T | Stainless steel | Piece |
| 17LF31N=14 | 17LA3N=14 17LA3N=14-T | Stainless steel | Piece |
| 17LF31N=16 | 17LA3N=16 17LA3N=16-T | Stainless steel | Piece |
| 17LF31N=20 | 17LA3N=20 17LA3N=20-T | Stainless steel | Piece |

Spare parts for 17LF3N, 17LF31N



Plastic bushing

Reference number 30Y306

Bushing for 17LF3N, 17LF31N and 17SF100=OS foot stirrups

Technical data

| Article number | Spare part for |
|----------------|-------------------------|
| 30Y306=10 | 17LF31N=10 17LF3N=10 |
| 30Y306=12 | 17LF3N=12 17LF31N=12 |
| 30Y306=14 | 17LF3N=14 17LF31N=14 |
| 30Y306=16 | 17LF3N=16 17LF31N=16 |
| 30Y306=20 | 17LF3N=20 17LF31N=20 |

Multifunction ankle joints – System joints – Bestellblatt Unilaterales Knöchelgelenk

| | | | |
|--------------|--|-----------|--|
| Company | | Date | |
| Technician | | Signature | |
| Customer no. | | | |

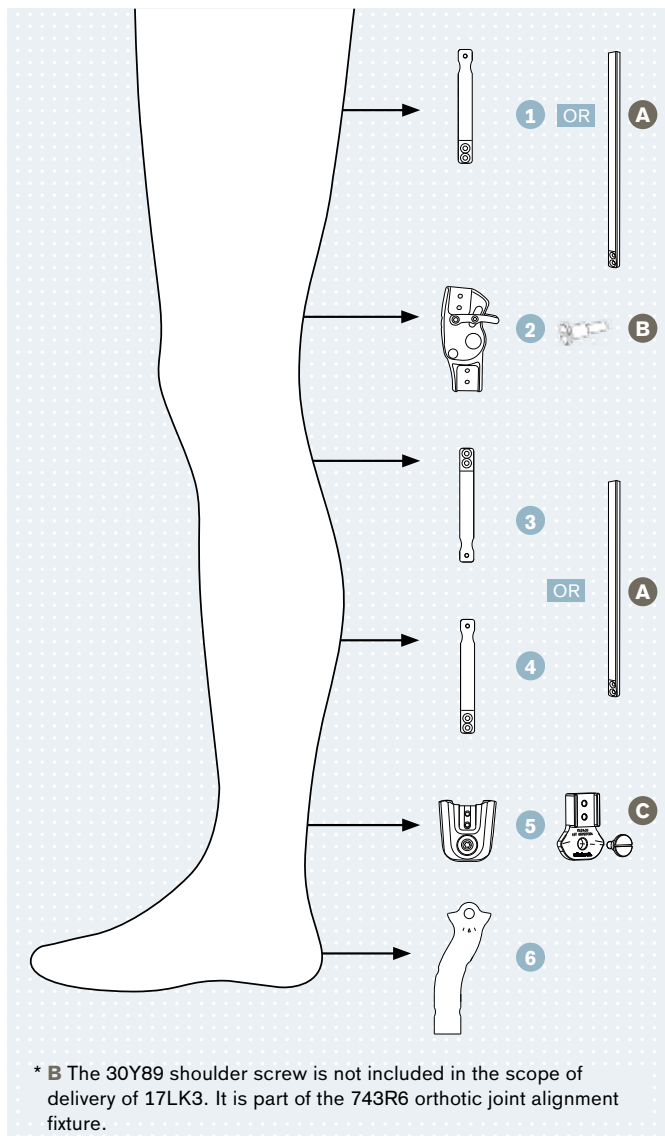
User information

Surname, first name Weight

Age Indication

Side Left Right Bilateral

The size chosen depends on the patient's weight and the conditions of use.



| | | | |
|---|--------------------------------------|--|--------------------------------|
| 1 Lamination bar 17LS3=* OR | | A Extension bar 17LV3=* | |
| Steel version | Titanium version | Steel version | |
| <input type="checkbox"/> 17LS3=10 | <input type="checkbox"/> 17LS3=10-T | <input type="checkbox"/> 17LV3=10 | |
| <input type="checkbox"/> 17LS3=12 | <input type="checkbox"/> 17LS3=12-T | <input type="checkbox"/> 17LV3=12 | |
| <input type="checkbox"/> 17LS3=14 | <input type="checkbox"/> 17LS3=14-T | <input type="checkbox"/> 17LV3=14 | |
| <input type="checkbox"/> 17LS3=16 | <input type="checkbox"/> 17LS3=16-T | <input type="checkbox"/> 17LV3=16 | |
| <input type="checkbox"/> 17LS3=20 | <input type="checkbox"/> 17LS3=20-T | <input type="checkbox"/> 17LV3=20 | |
| 2 Unilateral Knee Joint 17LK3=* | | | |
| Steel version | Titanium version | Side | B Shoulder screw* |
| <input type="checkbox"/> 17LK3=12 | <input type="checkbox"/> 17LK3=12-T | <input type="checkbox"/> L <input type="checkbox"/> R | <input type="checkbox"/> 30Y89 |
| <input type="checkbox"/> 17LK3=14 | <input type="checkbox"/> 17LK3=14-T | <input type="checkbox"/> L <input type="checkbox"/> R | <input type="checkbox"/> 30Y89 |
| <input type="checkbox"/> 17LK3=16 | <input type="checkbox"/> 17LK3=16-T | <input type="checkbox"/> L <input type="checkbox"/> R | <input type="checkbox"/> 30Y89 |
| <input type="checkbox"/> 17LK3=20 | <input type="checkbox"/> 17LK3=20-T | <input type="checkbox"/> L <input type="checkbox"/> R | <input type="checkbox"/> 30Y89 |
| 3, 4 Lamination bar 17LS3=* OR | | A Extension bar 17LV3=* | |
| Steel version | Titanium version | Steel version | |
| <input type="checkbox"/> 17LS3=10 | <input type="checkbox"/> 17LS3=10-T | <input type="checkbox"/> 17LV3=10 | |
| <input type="checkbox"/> 17LS3=12 | <input type="checkbox"/> 17LS3=12-T | <input type="checkbox"/> 17LV3=12 | |
| <input type="checkbox"/> 17LS3=14 | <input type="checkbox"/> 17LS3=14-T | <input type="checkbox"/> 17LV3=14 | |
| <input type="checkbox"/> 17LS3=16 | <input type="checkbox"/> 17LS3=16-T | <input type="checkbox"/> 17LV3=16 | |
| <input type="checkbox"/> 17LS3=20 | <input type="checkbox"/> 17LS3=20-T | <input type="checkbox"/> 17LV3=20 | |
| 5 Unilateral Ankle Joint 17LA3N=* | | | |
| Steel version | Titanium version | C Optional lamination dummy with shoulder screw | |
| <input type="checkbox"/> 17LA3N=10 | <input type="checkbox"/> 17LA3N=10-T | <input type="checkbox"/> 17LD1N=10 | |
| <input type="checkbox"/> 17LA3N=12 | <input type="checkbox"/> 17LA3N=12-T | <input type="checkbox"/> 17LD1N=12 | |
| <input type="checkbox"/> 17LA3N=14 | <input type="checkbox"/> 17LA3N=14-T | <input type="checkbox"/> 17LD1N=14 | |
| <input type="checkbox"/> 17LA3N=16 | <input type="checkbox"/> 17LA3N=16-T | <input type="checkbox"/> 17LD1N=16 | |
| <input type="checkbox"/> 17LA3N=20 | <input type="checkbox"/> 17LA3N=20-T | <input type="checkbox"/> 17LD1N=20 | |
| 6 Foot stirrup (Steel) 17LF3N=* | | | |
| <input type="checkbox"/> 17LF3N=10 | <input type="checkbox"/> 17LF3N=14 | <input type="checkbox"/> 17LF3N=20 | |
| <input type="checkbox"/> 17LF3N=12 | <input type="checkbox"/> 17LF3N=16 | | |

* **B** The 30Y89 shoulder screw is not included in the scope of delivery of 17LK3. It is part of the 743R6 orthotic joint alignment fixture.



Unilateral C-Brace® ankle joint

Reference number 17AO100

The 17AO100 unilateral ankle joint is a multifunction system ankle joint with a dorsiflexion effect. It is approved only in combination with the C-Brace®.



Technical data

| Article number | Bar width | Max. body weight |
|----------------|-----------|------------------|
| 17AO100=22-T | 22 mm | 110 kg |

- Lamination bar and foot stirrup are included in scope of delivery.

Scope of delivery

| | | | |
|-------------|-----------------------------------|---|-------|
| 17AO100 | Unilateral C-Brace® ankle joint | 1 | Piece |
| 17S100 | C-Brace® lamination bar | 1 | Piece |
| 17SF100=OS* | Foot stirrup and shrink down tube | 1 | Piece |
| 17LD1N-P | Dummy cover | 1 | Piece |
| 17LA33N | Axial washers set | 1 | Piece |
| 17AO100S | Service set screw connection | 1 | Piece |
| 17AO100S | Service set spring | 1 | Piece |
| 17AO100S | Service set bumpers | 1 | Piece |
| 30Y450 | Set screw | 1 | Piece |
| 501S136 | Flat head Torx screw | 1 | Piece |

Spare parts for 17AO100



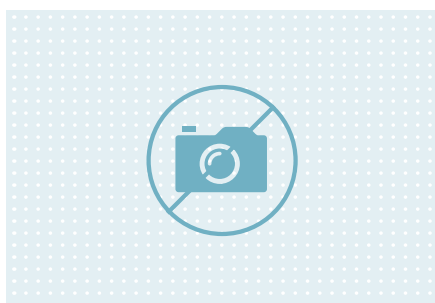
Lamination dummy for ankle joints incl. shoulder screw

Reference number 17LD1N

Lamination dummy for embedding the 17LA33N and 17AO100 unilateral ankle joints

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------|-----------------|---------------|
| 17LD1N=22 | 17AO100=22-T | Stainless steel | Piece |



Dummy cover

Reference number 17LD1N-P

Cover for 17LD1N lamination dummy

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------|-----------------|---------------|
| 17LD1N=22-P | 17AO100=22-T | Stainless steel | Piece |



C-Brace® lamination bar

Reference number 17S100

Lamination bar for the 17A0100 C-Brace® ankle joint

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 17S100=LB-22-T | Piece |



Axial washers set

Reference number 17LA33N

Set of axial washers for the unilateral ankle joints 17LA3N and 17A0100

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|----------------|---------------|
| 17LA33N=20 | 17A0100=22-T | Set |

Service set

Reference number 17A0100S

Service sets for unilateral C-Brace® ankle joint 17A0100

Technical data

| Article image | Description | Article number |
|---------------|------------------------------|----------------|
| | Service set screw connection | 17A0100S=22-1 |
| | Service set spring | 17A0100S=22-2 |
| | Service set bumpers | 17A0100S=22-3 |



Foot stirrup and shrink down tube

Reference number 17SF100=OS*

Foot stirrup for the Nexgear Tango ankle joint and the 17A0100=22-T unilateral C-Brace® ankle joint

Technical data

| Article number |
|----------------|
| 17SF100=OS-22 |



Set screw

Reference number 30Y450

Set screw for 17A0100 unilateral C-Brace® ankle joint

Technical data

Article number

30Y450=22



Flat head Torx screw

Reference number 501S136

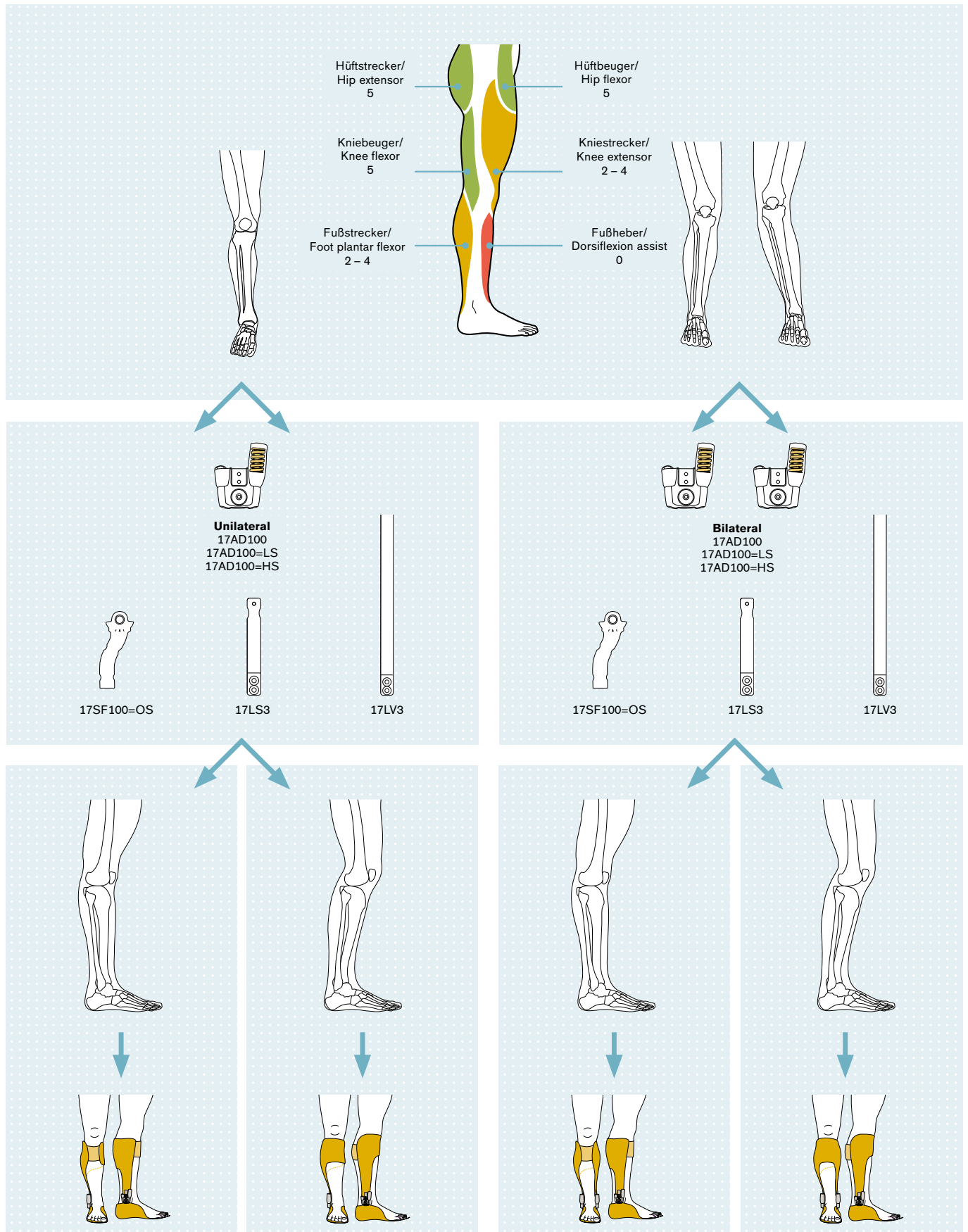
Flat head Torx screw for 17A0100 unilateral C-Brace® ankle joint

Technical data

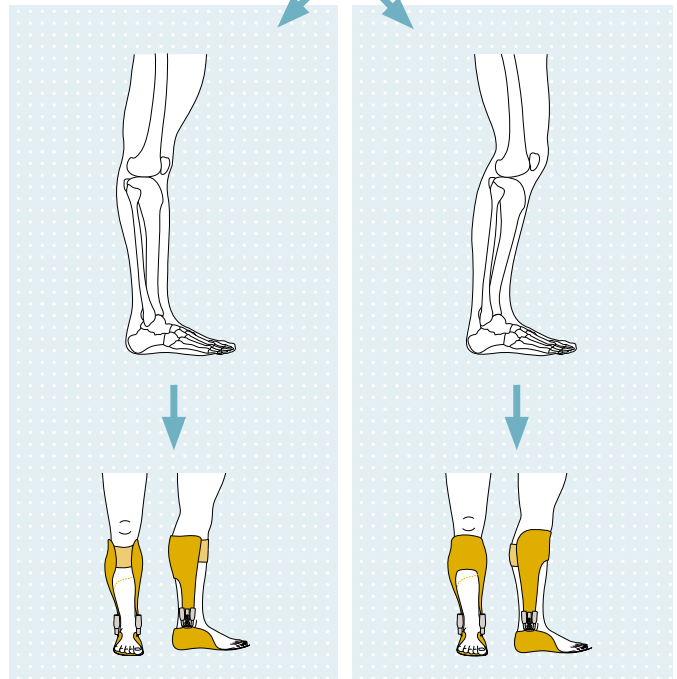
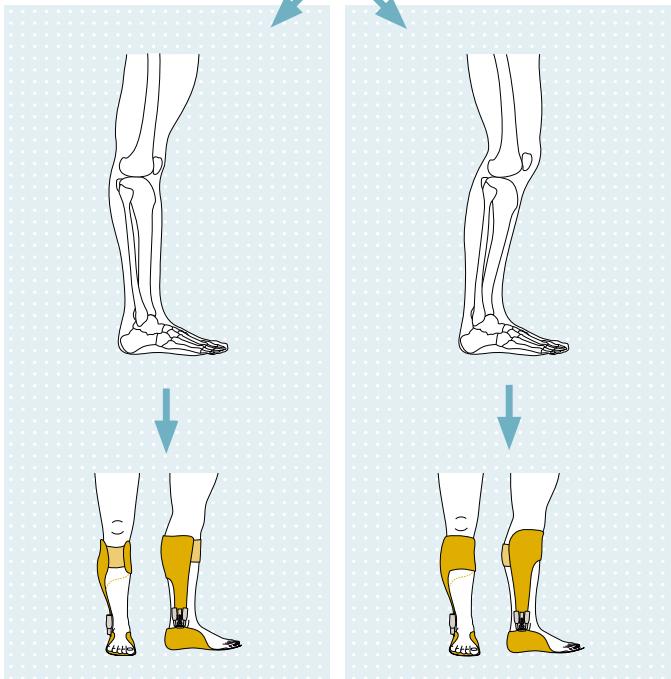
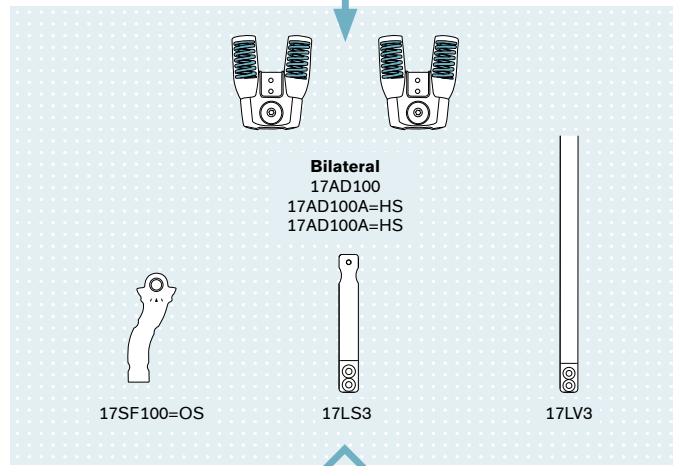
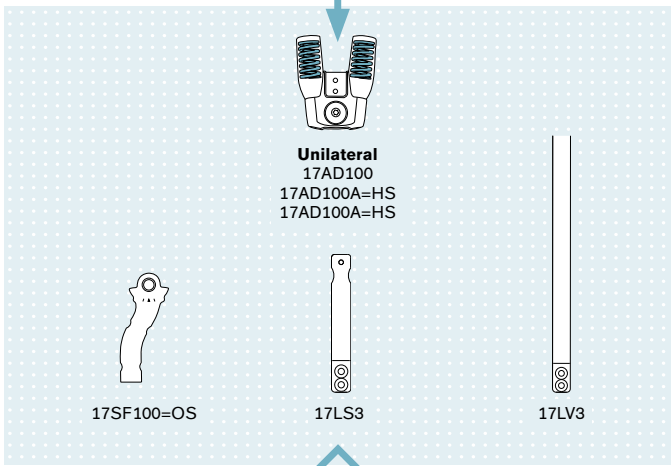
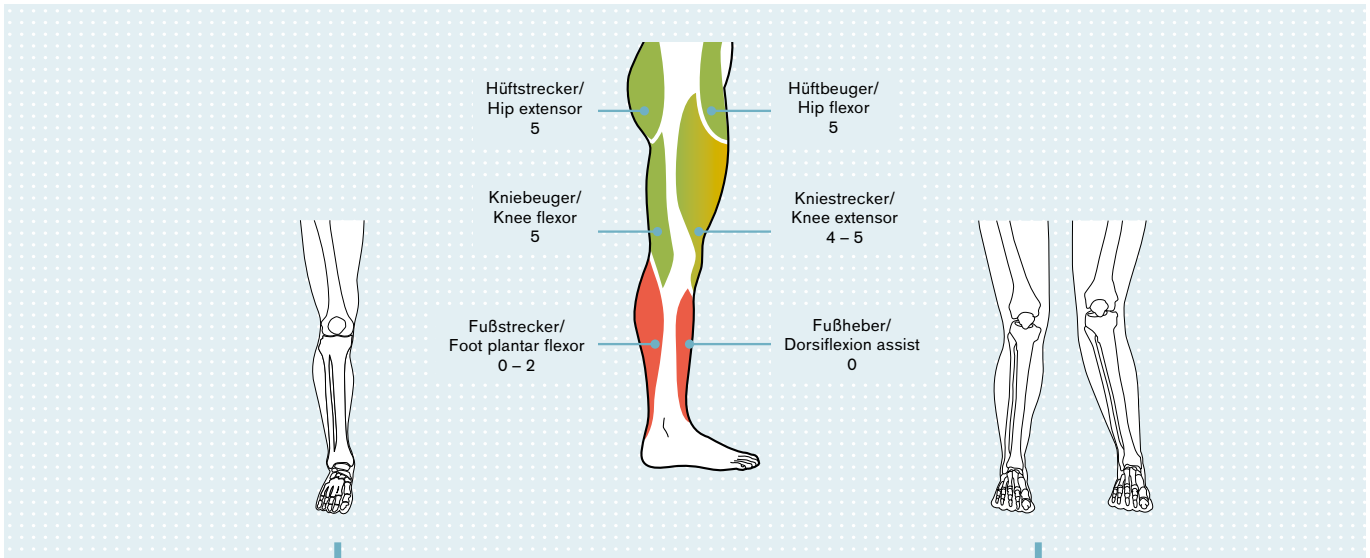
Article number

501S136=M6X12-1

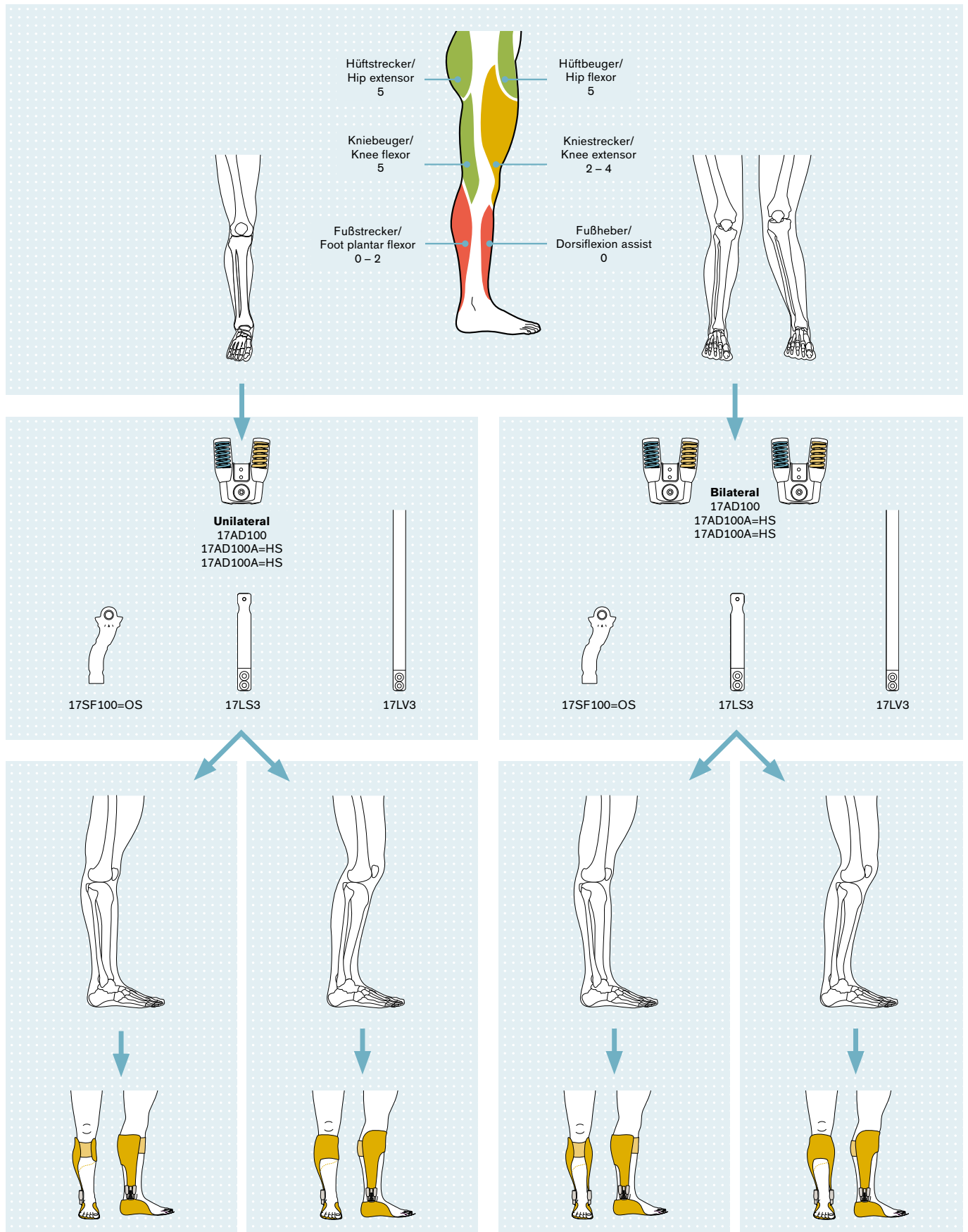
Multifunction ankle joints – System joints – Selection aid Nexgear Tango



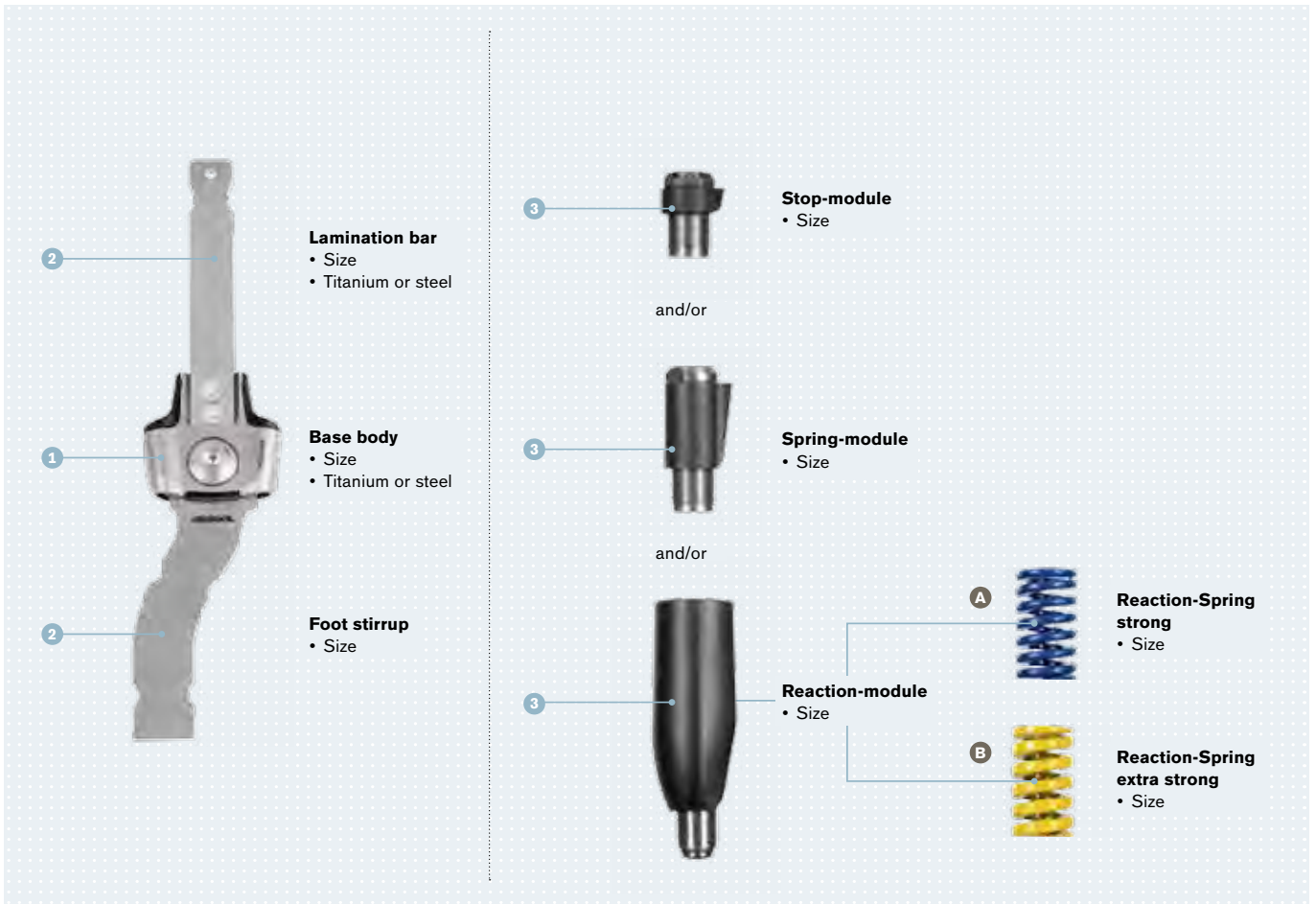
Multifunction ankle joints – System joints – Selection aid Nexgear Tango

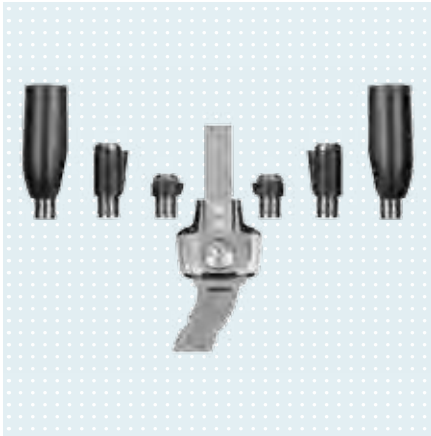


Multifunction ankle joints – System joints – Selection aid Nexgear Tango



Multifunction ankle joints – System joints – Selection aid Nexgear Tango





Nexgear Tango ankle joint

Reference number 17AD100

The Nexgear Tango is a modular system ankle joint with high energy return. The three function modules ensure optimal adaptation to the user's needs in terms of function and design.



Features and benefits

- Double action ankle joint with three functional modules (Stop-module, Spring-module, Reaction-module) ensures optimum adaptation to the user's needs in terms of function and design
 - Individually adaptable throughout the entire rehabilitation process thanks to modules that can be added and removed
 - For adults and children, selected by weight classification
 - For unilateral and bilateral fittings
 - Base body available in titanium and steel
- Please order the separate components according to the individual needs of your patient.

Information material

| | |
|-------------------|---|
| 646D1267=EN_INT | Nexgear Tango Information for practitioners |
| 647F581=EN_INT | Nexgear Tango order form |
| 646F483=ALL_INT | Nexgear Tango selection guide |
| 646F595=EN_MASTER | Ankle joints overview |
| 646D1306=EN_INT | Ankle joint selection guide |
| 646F465=ALL_INT | AFO selection guide |
| 646T524=EN | Nexgear Tango technical information |
| 647G1220 | Nexgear Tango instructions for use |

Components of 17AD100



Base body

Reference number 17AD100

Base body for the Nexgear Tango orthotic ankle joint

Technical data

| Article number | System width | Max. body weight | Material | Quantity unit |
|----------------|--------------|--|----------|---------------|
| 17AD100=10 | 10 mm | 15 kg (unilateral)/25 kg (bilateral) | Steel | Piece |
| 17AD100=10-T | 10 mm | 15 kg (unilateral)/25 kg (bilateral) | Titanium | Piece |
| 17AD100=12 | 12 mm | 20 kg (unilateral)/40 kg (bilateral) | Steel | Piece |
| 17AD100=12-T | 12 mm | 20 kg (unilateral)/40 kg (bilateral) | Titanium | Piece |
| 17AD100=14 | 14 mm | 50 kg (unilateral)/80 kg (bilateral) | Steel | Piece |
| 17AD100=14-T | 14 mm | 50 kg (unilateral)/80 kg (bilateral) | Titanium | Piece |
| 17AD100=16 | 16 mm | 85 kg (unilateral)/120 kg (bilateral) | Steel | Piece |
| 17AD100=16-T | 16 mm | 85 kg (unilateral)/120 kg (bilateral) | Titanium | Piece |
| 17AD100=20 | 20 mm | 110 kg (unilateral)/160 kg (bilateral) | Steel | Piece |
| 17AD100=20-T | 20 mm | 110 kg (unilateral)/160 kg (bilateral) | Titanium | Piece |

- The weight classification permits unilateral use for a user body weight of up to 110 kg and bilateral use for up to 160 kg.

Information material

| | |
|-------------------|------------------------------------|
| 647G1220 | Nexgear Tango instructions for use |
| 647F581=DE_MASTER | Nexgear Tango order form |



Stop-module

Reference number 17AD100A=AS*

Stop-module for the Nexgear Tango ankle joint

Technical data

| Article number | System width | Max. body weight | Quantity unit |
|----------------|--------------|--|---------------|
| 17AD100A=AS-10 | 10 mm | 15 kg (unilateral)/25 kg (bilateral) | Piece |
| 17AD100A=AS-12 | 12 mm | 20 kg (unilateral)/40 kg (bilateral) | Piece |
| 17AD100A=AS-14 | 14 mm | 50 kg (unilateral)/80 kg (bilateral) | Piece |
| 17AD100A=AS-16 | 16 mm | 85 kg (unilateral)/120 kg (bilateral) | Piece |
| 17AD100A=AS-20 | 20 mm | 120 kg (unilateral)/160 kg (bilateral) | Piece |

- You can use the module for the adjustable stop to set a continuously variable dorsal or plantar stop.



Spring-module

Reference number 17AD100A=LS*

Spring-module for the Nexgear Tango ankle joint

Technical data

| Article number | System width | Max. body weight | Quantity unit |
|----------------|--------------|--|---------------|
| 17AD100A=LS-10 | 10 mm | 15 kg (unilateral)/25 kg (bilateral) | Piece |
| 17AD100A=LS-12 | 12 mm | 20 kg (unilateral)/40 kg (bilateral) | Piece |
| 17AD100A=LS-14 | 14 mm | 50 kg (unilateral)/80 kg (bilateral) | Piece |
| 17AD100A=LS-16 | 16 mm | 85 kg (unilateral)/120 kg (bilateral) | Piece |
| 17AD100A=LS-20 | 20 mm | 120 kg (unilateral)/160 kg (bilateral) | Piece |



Reaction-module

Reference number 17AD100A=HS*

Reaction-module for the Nexgear Tango ankle joint

Technical data

| Article number | System width | Max. body weight | Quantity unit |
|----------------|--------------|--|---------------|
| 17AD100A=HS-10 | 10 mm | 15 kg (unilateral)/25 kg (bilateral) | Piece |
| 17AD100A=HS-12 | 12 mm | 20 kg (unilateral)/40 kg (bilateral) | Piece |
| 17AD100A=HS-14 | 14 mm | 50 kg (unilateral)/80 kg (bilateral) | Piece |
| 17AD100A=HS-16 | 16 mm | 85 kg (unilateral)/120 kg (bilateral) | Piece |
| 17AD100A=HS-20 | 20 mm | 110 kg (unilateral)/160 kg (bilateral) | Piece |

- The Reaction-springs must be ordered separately for each module.



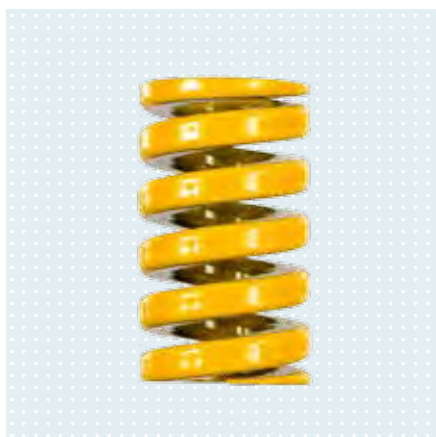
Reaction-spring, strong

Reference number 17AD100A=HS*

The Reaction-spring of the Reaction-module is available in two different strengths (strong or extra strong). The corresponding spring is selected according to the individual spring force required.

Technical data

| Article number | for | Quantity unit |
|------------------|----------------------------------|---------------|
| 17AD100A=HS-12-1 | 17AD100A=HS-10 17AD100A=HS-12 | Piece |
| 17AD100A=HS-14-1 | 17AD100A=HS-14 | Piece |
| 17AD100A=HS-20-1 | 17AD100A=HS-16 17AD100A=HS-20 | Piece |



Reaction-spring, extra strong

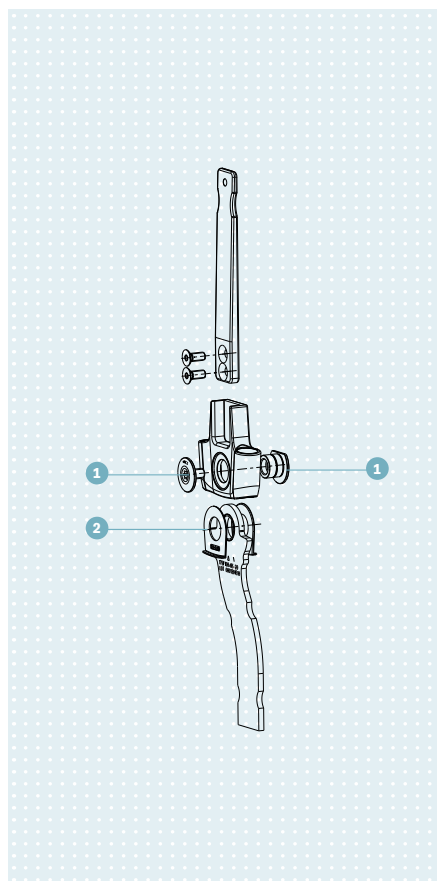
Reference number 17AD100A=HS*

The Reaction-spring of the Reaction-module is available in two different strengths (strong or extra strong). The corresponding spring is selected according to the individual spring force required.

Technical data

| Article number | for | Quantity unit |
|------------------|----------------------------------|---------------|
| 17AD100A=HS-12-2 | 17AD100A=HS-10 17AD100A=HS-12 | Piece |
| 17AD100A=HS-14-2 | 17AD100A=HS-14 | Piece |
| 17AD100A=HS-20-2 | 17AD100A=HS-16 17AD100A=HS-20 | Piece |

Spare parts for 17AD100 Base body



(1) Service set for base body

Reference number 17AD100S

Technical data

| Article number | Spare part for |
|----------------|----------------------------|
| 17AD100S=10 | 17AD100=10-T 17AD100=10 |
| 17AD100S=12 | 17AD100=12-T 17AD100=12 |
| 17AD100S=14 | 17AD100=14-T 17AD100=14 |
| 17AD100S=16 | 17AD100=16-T 17AD100=16 |
| 17AD100S=20 | 17AD100=20-T 17AD100=20 |

(2) Service set for axial washers

Reference number 17AD100S

Technical data

| Article number | Spare part for |
|----------------|----------------------------|
| 17AD100S=10-1 | 17AD100=10-T 17AD100=10 |
| 17AD100S=12-1 | 17AD100=12-T 17AD100=12 |
| 17AD100S=14-1 | 17AD100=14-T 17AD100=14 |
| 17AD100S=16-1 | 17AD100=16-T 17AD100=16 |
| 17AD100S=20-1 | 17AD100=20-T 17AD100=20 |



Dummy cover

Reference number 17AD100A=DY*

Dummy cover for the 17AD100A=DY* dummy

Technical data

| Article number | Spare part for |
|------------------|----------------------------|
| 17AD100A=DY-10-P | 17AD100=10-T 17AD100=10 |
| 17AD100A=DY-12-P | 17AD100=12-T 17AD100=12 |
| 17AD100A=DY-14-P | 17AD100=14-T 17AD100=14 |
| 17AD100A=DY-16-P | 17AD100=16-T 17AD100=16 |
| 17AD100A=DY-20-P | 17AD100=20-T 17AD100=20 |

Spare parts for 17AD100A=AS* Stop-module



(1) Set screw

Reference number 30Y309

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|--|---------------|
| 30Y309=10 | 17AD100A=AS-10 17AD100A=LS-10 | Piece |
| 30Y309=12 | 17AD100A=AS-12 17AD100A=LS-12 | Piece |
| 30Y309=14 | 17AD100A=AS-14 17AD100A=LS-14 | Piece |
| 30Y309=20 | 17AD100A=AS-20 17AD100A=AS-16 17AD100A=LS-16 17AD100A=LS-20 | Piece |

(2) Service set for Stop-module

Reference number 17AD100S=AS*

Technical data

| Article number | Spare part for | Scope of delivery |
|------------------|----------------------------------|-------------------|
| 17AD100S=AS-10-1 | 17AD100A=AS-10 | 1x Bumper |
| 17AD100S=AS-12-1 | 17AD100A=AS-12 | 1x Bumper |
| 17AD100S=AS-14-1 | 17AD100A=AS-14 | 1x Bumper |
| 17AD100S=AS-20-1 | 17AD100A=AS-20 17AD100A=AS-16 | 1x Bumper |

(3) Cover for Stop-module

Reference number 17AD100S=AS*

Technical data

| Article number | Spare part for |
|------------------|----------------|
| 17AD100S=AS-10-2 | 17AD100A=AS-10 |
| 17AD100S=AS-12-2 | 17AD100A=AS-12 |
| 17AD100S=AS-14-2 | 17AD100A=AS-14 |
| 17AD100S=AS-16-2 | 17AD100A=AS-16 |
| 17AD100S=AS-20-2 | 17AD100A=AS-20 |

Spare parts for 17AD100A=LS* Spring-module

2



(1) Service set for Spring-module

Reference number 17AD100S=LS*

Technical data

| Article number | Spare part for | Scope of delivery |
|------------------|----------------|---|
| 17AD100S=LS-10-1 | 17AD100A=LS-10 | 1x compression spring 1x plastic sleeve 1x ball |
| 17AD100S=LS-12-1 | 17AD100A=LS-12 | 1x compression spring 1x plastic sleeve 1x ball |
| 17AD100S=LS-14-1 | 17AD100A=LS-14 | 1x compression spring 1x plastic sleeve 1x ball |
| 17AD100S=LS-16-1 | 17AD100A=LS-16 | 1x compression spring 1x plastic sleeve 1x ball |
| 17AD100S=LS-20-1 | 17AD100A=LS-20 | 1x compression spring 1x plastic sleeve 1x ball |

(2) Cover for Spring-module

Reference number 17AD100S=LS*

Technical data

| Article number | Spare part for |
|------------------|----------------|
| 17AD100S=LS-10-2 | 17AD100A=LS-10 |
| 17AD100S=LS-12-2 | 17AD100A=LS-12 |
| 17AD100S=LS-14-2 | 17AD100A=LS-14 |
| 17AD100S=LS-16-2 | 17AD100A=LS-16 |
| 17AD100S=LS-20-2 | 17AD100A=LS-20 |



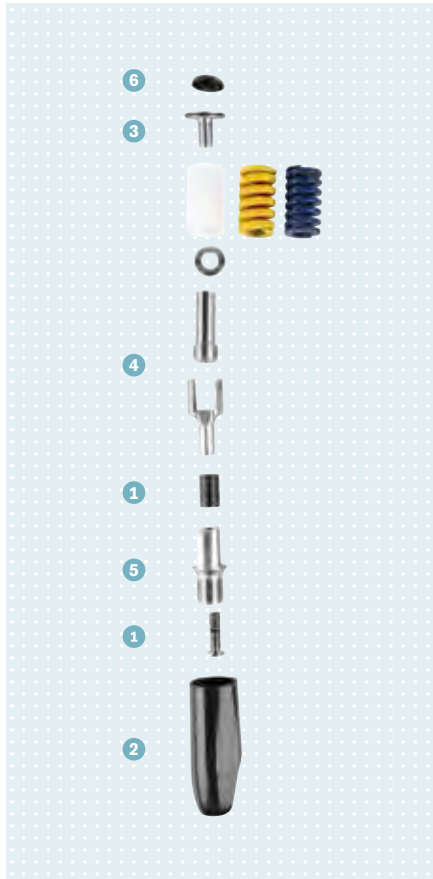
Set screw

Reference number 30Y309

Technical data

| Article number | Spare part for |
|----------------|----------------------------------|
| 30Y309=10 | 17AD100A=LS-10 |
| 30Y309=12 | 17AD100A=LS-12 |
| 30Y309=14 | 17AD100A=LS-14 |
| 30Y309=20 | 17AD100A=LS-16 17AD100A=LS-20 |

Spare parts for 17AD100A=HS* Reaction-module



(1) Service set for Reaction-module

Reference number 17AD100S=HS*

Technical data

| Article number | Spare part for | Scope of delivery |
|------------------|----------------------------------|--------------------------------|
| 17AD100S=HS-10-1 | 17AD100A=HS-10 | 1x bumper 1x plastic sleeve |
| 17AD100S=HS-12-1 | 17AD100A=HS-12 | 1x bumper 1x plastic sleeve |
| 17AD100S=HS-14-1 | 17AD100A=HS-14 | 1x bumper 1x plastic sleeve |
| 17AD100S=HS-20-1 | 17AD100A=HS-20 17AD100A=HS-16 | 1x bumper 1x plastic sleeve |

(2) Cover for Reaction-module

Reference number 17AD100S=HS*

Technical data

| Article number | Spare part for |
|------------------|----------------|
| 17AD100S=HS-10-2 | 17AD100A=HS-10 |
| 17AD100S=HS-12-2 | 17AD100A=HS-12 |
| 17AD100S=HS-14-2 | 17AD100A=HS-14 |
| 17AD100S=HS-16-2 | 17AD100A=HS-16 |
| 17AD100S=HS-20-2 | 17AD100A=HS-20 |

(3) Spring bolt for Reaction-module

Reference number 17AD100S=HS*

Technical data

| Article number | Spare part for | Scope of delivery |
|------------------|----------------------------------|-------------------|
| 17AD100S=HS-10-3 | 17AD100A=HS-10 | 1x spring screw |
| 17AD100S=HS-12-3 | 17AD100A=HS-12 | 1x spring screw |
| 17AD100S=HS-14-3 | 17AD100A=HS-14 | 1x spring screw |
| 17AD100S=HS-20-3 | 17AD100A=HS-20 17AD100A=HS-16 | 1x spring screw |

(4) Service set for Reaction-module

Reference number 17AD100S=HS*

Technical data

| Article number | Spare part for | Scope of delivery |
|------------------|----------------------------------|--|
| 17AD100S=HS-10-4 | 17AD100A=HS-10 | 1x washer 1x spring centering piece 1x spring tappet |
| 17AD100S=HS-12-4 | 17AD100A=HS-12 | 1x washer 1x spring centering piece 1x spring tappet |
| 17AD100S=HS-14-4 | 17AD100A=HS-14 | 1x washer 1x spring centering piece 1x spring tappet |
| 17AD100S=HS-20-4 | 17AD100A=HS-20 17AD100A=HS-16 | 1x washer 1x spring centering piece 1x spring tappet |

(5) Support element

Reference number 30Y444

Technical data

| Article number | Spare part for | Scope of delivery |
|----------------|----------------------------------|--------------------|
| 30Y444=10 | 17AD100A=HS-10 | 1x support element |
| 30Y444=12 | 17AD100A=HS-12 | 1x support element |
| 30Y444=14 | 17AD100A=HS-14 | 1x support element |
| 30Y444=20 | 17AD100A=HS-20 17AD100A=HS-16 | 1x support element |

(6) Cover cap

Reference number 516K2

Technical data

| Article number | Spare part for | Scope of delivery |
|----------------|--|-------------------|
| 516K2=25-7 | 17AD100A=HS-12 17AD100A=HS-10 | 1x cover cap |
| 516K2=30-7 | 17AD100A=HS-20 17AD100A=HS-16 17AD100A=HS-14 | 1x cover cap |

Accessory for 17AD100



Dummy

Reference number 17AD100A=DY*

Dummy for the Nexgear Tango ankle joint

Technical data

| Article number | Accessories for |
|----------------|----------------------------|
| 17AD100A=DY-10 | 17AD100=10 17AD100=10-T |
| 17AD100A=DY-12 | 17AD100=12-T 17AD100=12 |
| 17AD100A=DY-14 | 17AD100=14 17AD100=14-T |
| 17AD100A=DY-16 | 17AD100=16 17AD100=16-T |
| 17AD100A=DY-20 | 17AD100=20 17AD100=20-T |

- The 17AD100A =DY*-P plastic cover is included in the scope of delivery of the 17AD100 base body.

Spare part for 17AD100A=DY*

Screw with flattened half-round head

Reference number 501F9

Technical data

| Article number | Spare part for |
|----------------|--|
| 501F9=M4X20 | 17AD100A=DY-10 17AD100A=DY-12 17AD100A=DY-14 |
| 501F9=M6X25-1 | 17AD100A=DY-16 17AD100A=DY-20 |



Foot stirrup

Reference number 17SF100=OS*

Technical data

| Article number | Accessories for |
|----------------|----------------------------|
| 17SF100=OS-10 | 17AD100=10 17AD100=10-T |
| 17SF100=OS-12 | 17AD100=12-T 17AD100=12 |
| 17SF100=OS-14 | 17AD100=14 17AD100=14-T |
| 17SF100=OS-16 | 17AD100=16 17AD100=16-T |
| 17SF100=OS-20 | 17AD100=20 17AD100=20-T |

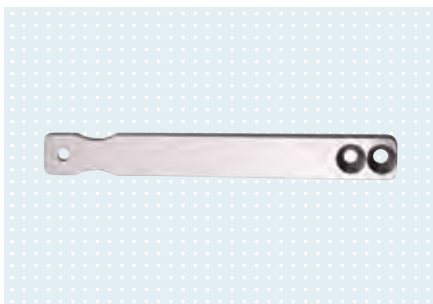
Spare part for 17SF100=OS*

Plastic bushing

Reference number 30Y306

Technical data

| Article number | Spare part for |
|----------------|---|
| 30Y306=10 | 17SF100=OS-10 |
| 30Y306=12 | 17SF100=OS-12 |
| 30Y306=14 | 17SF101=OS-14 17SF100=OS-14 |
| 30Y306=20 | 17SF101=OS-20 17SF100=OS-20 17SF100=OS-16 |



Lamination bar

Reference number 17LS3



Technical data

| Article number | Accessories for |
|----------------|----------------------------|
| 17LS3=10 | 17AD100=10 17AD100=10-T |
| 17LS3=10-T | 17AD100=10 17AD100=10-T |
| 17LS3=12-T | 17AD100=12-T 17AD100=12 |
| 17LS3=14 | 17AD100=14 17AD100=14-T |
| 17LS3=14-T | 17AD100=14 17AD100=14-T |
| 17LS3=16-T | 17AD100=16 17AD100=16-T |
| 17LS3=20 | 17AD100=20 17AD100=20-T |
| 17LS3=20-T | 17AD100=20 17AD100=20-T |



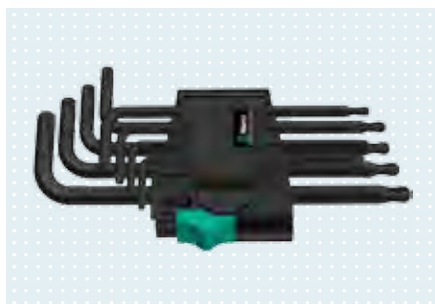
Mounting adapter

Reference number 17AD100A=MA*

For installing and removing all three function modules of the Nexgear Tango ankle joint.

Technical data

| Article number | Accessories for |
|----------------|--|
| 17AD100A=MA-10 | 17AD100=10 17AD100=10-T |
| 17AD100A=MA-12 | 17AD100=12-T 17AD100=12 |
| 17AD100A=MA-14 | 17AD100=14 17AD100=14-T |
| 17AD100A=MA-20 | 17AD100=16 17AD100=16-T 17AD100=20 17AD100=20-T |



TORX® key set

Reference number 709S530

9-piece, robust set with TORX® on the short arm and TORX® ball head on the long arm.

Technical data

| Article number | Version |
|----------------|---|
| 709S530 | TORX® on the short arm, TORX® ball head on the long arm |



Torque wrench

Reference number 710D20

Technical data

| Article number | Version | Measurement range | Total wrench length |
|----------------|-------------------|-------------------|---------------------|
| 710D20 | 1/4" square drive | 2,5 - 25 Nm Nm | 290 mm |

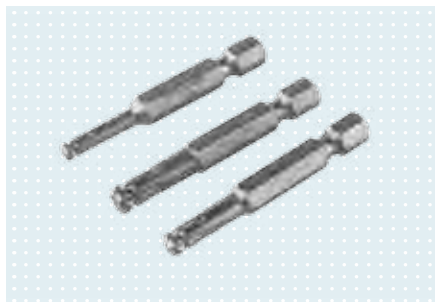


Connecting element

Reference number 710Y19

Technical data

| Article number | Version |
|----------------|---|
| 710Y19 | Quick-release chuck for fast bit changes, chrome-vanadium |



TORX® bit range

Reference number 710Y25

Technical data

| Article number | Version | Material | Shaft length |
|----------------|---|-----------------------|--------------|
| 710Y25 | TORX® ball head: - enables screwing at an angle of up to 25° - extended TORX® profile behind the ball head | Chrome vanadium steel | 50 mm |



Nexgear Tango FIT KIT

Reference number 17AD100A=FIT-KIT

The Nexgear Tango Fit Kit enables the right module and spring to be selected quickly and easily. During the fitting, the O&P professional or therapist can test all three modules and springs on the user and thus find the proper setting and alignment. The Fit Kit contains all three function modules in every size, all Reaction-springs and the necessary tools, such as the mounting adapter, the TORX® bits and the TORX® keys.

Technical data

Article number

17AD100A=FIT-KIT

Multifunction ankle joints – System joints – Order form Nexgear Tango

| | | |
|--------------|--|-----------|
| Company | | |
| Technician | | Date |
| Customer no. | | Signature |



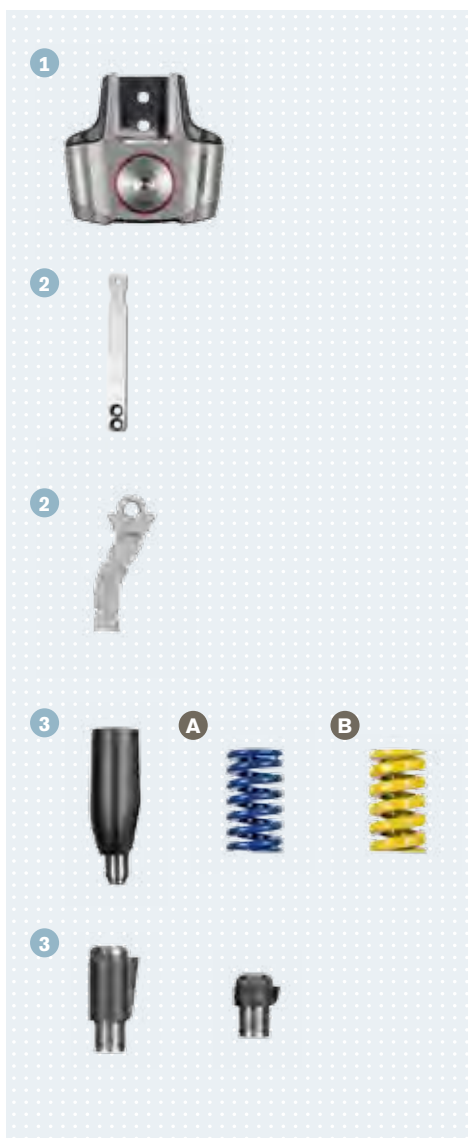
User information

Surname, first name Weight

Age Indication

Side Unilateral Bilateral

The size chosen depends on the patient’s weight and the conditions of use. The 17AD100 Nexgear Tango can be equipped with up to two modules. Please enter the required quantity in the field provided.



| | | |
|---------------------------------|------------------------|---------------------------------------|
| 1 Base body | | |
| <input type="checkbox"/> | pc(s) 17AD100=10 | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17AD100=12 | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17AD100=14 | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17AD100=16 | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17AD100=20 | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17AD100=10-T | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17AD100=12-T | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17AD100=14-T | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17AD100=16-T | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17AD100=20-T | <input type="checkbox"/> |
| 2 Lamination bar | | |
| <input type="checkbox"/> | pc(s) 17LS3=10 | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17LS3=12 | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17LS3=14 | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17LS3=16 | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17LS3=20 | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17LS3=10-T | <input type="checkbox"/> |
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| <input type="checkbox"/> | pc(s) 17LS3=14-T | <input type="checkbox"/> |
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| <input type="checkbox"/> | pc(s) 17LS3=20-T | <input type="checkbox"/> |
| 2 Foot stirrup | | |
| <input type="checkbox"/> | pc(s) 17SF100=OS-10 | |
| <input type="checkbox"/> | pc(s) 17SF100=OS-12 | |
| <input type="checkbox"/> | pc(s) 17SF100=OS-14 | |
| <input type="checkbox"/> | pc(s) 17SF100=OS-16 | |
| <input type="checkbox"/> | pc(s) 17SF100=OS-20 | |
| 3 Reaction-module | | |
| <input type="checkbox"/> | pc(s) 17AD100A=HS-10 | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17AD100A=HS-12 | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17AD100A=HS-14 | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17AD100A=HS-16 | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17AD100A=HS-20 | <input type="checkbox"/> |
| A Reaction-Spring strong | | B Reaction-Spring extra strong |
| <input type="checkbox"/> | pc(s) 17AD100A=HS-12-1 | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17AD100A=HS-14-1 | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17AD100A=HS-20-1 | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17AD100A=HS-12-2 | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17AD100A=HS-14-2 | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17AD100A=HS-20-2 | <input type="checkbox"/> |
| 3 Spring-module | | 3 Stop-module |
| <input type="checkbox"/> | pc(s) 17AD100A=LS-10 | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17AD100A=LS-12 | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17AD100A=LS-14 | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17AD100A=LS-16 | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17AD100A=LS-20 | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17AD100A=AS-10 | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17AD100A=AS-12 | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17AD100A=AS-14 | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17AD100A=AS-16 | <input type="checkbox"/> |
| <input type="checkbox"/> | pc(s) 17AD100A=AS-20 | <input type="checkbox"/> |



Multifunction system ankle joint

Reference number 17B66

Multifunction system ankle joint with up to nine setting options (spring, fixed stop or spring stop)



Information material

| | |
|-------------------|--|
| 646D1306=EN_INT | Ankle joint selection guide |
| 646F595=EN_MASTER | Ankle joints overview |
| 646F465=ALL_INT | AFO selection guide |
| 646F464=ALL_INT | KAFO selection guide |
| 647G1196=ALL_INT | 17B66 instructions for use |
| 647G2 | Instructions for use – system/leg bars |

Technical data

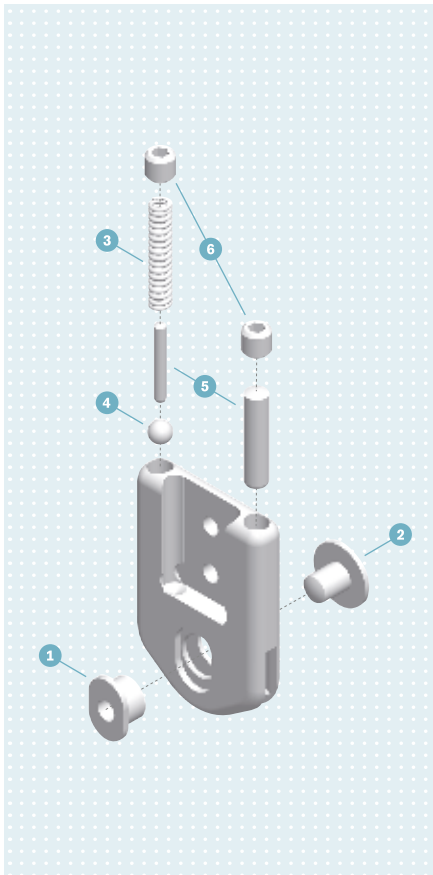
| Article number | System width | Slot width | Material | Quantity unit |
|----------------|--------------|------------|-----------------|------------------|
| 17B66=16 | 16 mm | 3 mm | Stainless steel | Pair with screws |
| 17B66=20 | 20 mm | 3 mm | Stainless steel | Pair with screws |
| 17B66=A-16 | 16 mm | 3 mm | Stainless steel | Pair with screws |
| 17B66=A-20 | 20 mm | 3 mm | Stainless steel | Pair with screws |

- With the 17B66=A-16 and 17B66=A-20 versions, the medial and lateral joint are straight, and the bar connection is lateral.

i Practical recommendation 17B66

- Increased wear of the spring due to fully compressing it.
- The cylinder pin is located inside the spring. Using the cylinder pin can extend the life of the spring.

Spare parts for 17B66



(1) Bearing nut, hardened

Reference number 17Y93

Technical data

| Article number | Spare part for | Shank length | Thread | Shoulder Ø | Quantity unit |
|-----------------|--|--------------|--------|------------|---------------|
| 17Y93=9X6.25XM6 | 17B66=16 17B66=20 17B66=A-16 17B66=A-20 | 6.25 mm | M6 | 9 mm | Piece |

(2) Slotted truss head screw

Reference number 501S32

Technical data

| Article number | System width | Head Ø | Thread | Overall length | Material | Quantity unit |
|-----------------|--------------|--------|--------|----------------|-----------------|---------------|
| 501S32=M6X14X10 | 16/ 20 mm | 14 mm | M6 | 10 mm | Stainless steel | Piece |

* when using 17Y84

(3) Compression spring

Reference number 513D18

Technical data

| Article number | Shoulder Ø | Quantity unit |
|----------------|------------|---------------|
| 513D18=4.7X31 | 4.7 mm | Piece |

(4) Bearing ball

Reference number 509Y1

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 509Y1=5.0 | Piece |

(5) Stop Pin (small)

Reference number 506A8

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 506A8=2.5X18 | Piece |
| 506A8=5X22 | Piece |

(6) Aqualine Screw

Reference number 506G3

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 506G3=M6X6 | Piece |



Brass bushing

Reference number 17Y17

Brass bushing for joint centre piece

Technical data

| Article number | Material | Quantity unit |
|----------------|----------|---------------|
| 17Y17=9X11X2.9 | Brass | Piece |



Service set for 17B66

Reference number 17B66=S

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 17B66=S | Set |

Scope of delivery

| | | |
|--------|--------------------------|---------|
| 513D18 | Compression spring | 4 Piece |
| 506A8 | Cylinder Pin | 4 Piece |
| 506A8 | Cylinder Pin | 4 Piece |
| 509Y1 | Bearing ball | 4 Piece |
| 506G3 | Set Screw | 4 Piece |
| 17Y93 | Bearing nut, hardened | 2 Piece |
| 501S32 | Slotted truss head screw | 2 Piece |

Accessory for 17B66



System foot stirrup

Reference number 17B113

Free motion up to 25° plantar flexion and 25° dorsal extension, with brass bushing



Technical data

| Article number | Material | Quantity unit |
|----------------|-----------------|---------------|
| 17B113 | Stainless steel | Piece |



System foot stirrup

Reference number 17B114

Free motion up to 25° plantar flexion and 25° dorsal extension, with brass bushing



Technical data

| Article number | Material | Quantity unit |
|----------------|-----------------|---------------|
| 17B114 | Stainless steel | Piece |



System foot stirrup

Reference number 17B115

For 17F35=L/R150 system shoe plate, 25° plantar flexion and 25° dorsal extension, with brass bushing



Technical data

| Article number | Material | Quantity unit |
|----------------|-----------------|---------------|
| 17B115 | Stainless steel | Piece |



System foot stirrup, double-sided shoe stirrup

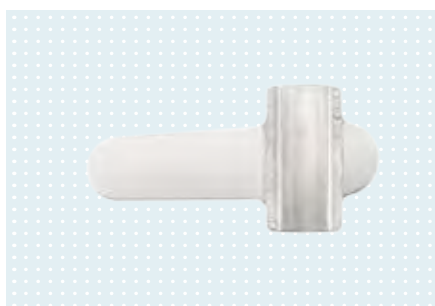
Reference number 17B116

Free motion up to 25° plantar flexion and 25° dorsal extension, with brass bushing



Technical data

| Article number | System width | Thickness | Length from joint center | Material | Quantity unit |
|----------------|--------------|-----------|--------------------------|-----------------|---------------|
| 17B116=180 | 20 mm | 3 mm | 180 mm | Stainless steel | Piece |
| 17B116=200 | 20 mm | 3 mm | 200 mm | Stainless steel | Piece |
| 17B116=220 | 20 mm | 3 mm | 220 mm | Stainless steel | Piece |
| 17B116=240 | 20 mm | 3 mm | 240 mm | Stainless steel | Piece |
| 17B116=260 | 20 mm | 3 mm | 260 mm | Stainless steel | Piece |
| 17B116=280 | 20 mm | 3 mm | 280 mm | Stainless steel | Piece |
| 17B116=300 | 20 mm | 3 mm | 300 mm | Stainless steel | Piece |



System shoe plate, hardened

Reference number 17F35

with insert piece

Technical data

| Article number | Side | Length | Channel width | Material | Quantity unit |
|----------------|-----------|--------|---------------|-----------------|---------------|
| 17F35=L120 | left (L) | 120 mm | 19 mm | Stainless steel | Piece |
| 17F35=L150 | left (L) | 150 mm | 22 mm | Stainless steel | Piece |
| 17F35=R120 | right (R) | 120 mm | 19 mm | Stainless steel | Piece |
| 17F35=R150 | right (R) | 150 mm | 22 mm | Stainless steel | Piece |



System lamination bar

Reference number 17Y128

The system lamination bars are glued with Ottobock special adhesive.

Technical data

| Article number | System width | Length | Thickness | Material | Quantity unit |
|----------------|--------------|--------|-----------|-----------------|---------------|
| 17Y128=16X80 | 16 mm | 80 mm | 4 mm | Stainless steel | Piece |
| 17Y128=20X80 | 20 mm | 80 mm | 4 mm | Stainless steel | Piece |
| 17Y128=16X100 | 16 mm | 100 mm | 4 mm | Stainless steel | Piece |
| 17Y128=20X100 | 20 mm | 100 mm | 4 mm | Stainless steel | Piece |



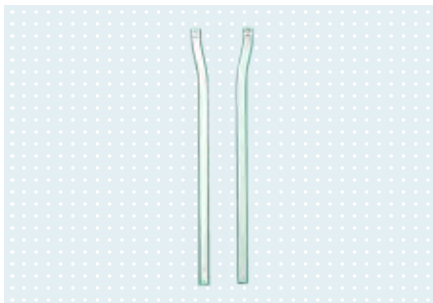
System lamination bar with contoured calf

Reference number 17Y129

The system lamination bars are glued with Ottobock special adhesive.

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17Y129=L16 | left (L) | 16 mm | 100 mm | 4 mm | Piece |
| 17Y129=R16 | right (R) | 16 mm | 100 mm | 4 mm | Piece |
| 17Y129=L20 | left (L) | 20 mm | 100 mm | 4 mm | Piece |
| 17Y129=R20 | right (R) | 20 mm | 100 mm | 4 mm | Piece |

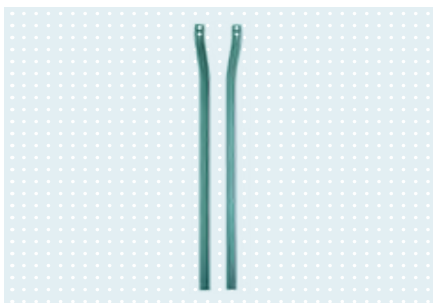


Lower leg side bar

Reference number 17B5

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17B5=L16 | left (L) | 16 mm | 450 mm | 4 mm | Piece |
| 17B5=R16 | right (R) | 16 mm | 450 mm | 4 mm | Piece |
| 17B5=L16-T | left (L) | 16 mm | 450 mm | 4 mm | Piece |
| 17B5=R16-T | right (R) | 16 mm | 450 mm | 4 mm | Piece |
| 17B5=L20 | left (L) | 20 mm | 450 mm | 4 mm | Piece |
| 17B5=R20 | right (R) | 20 mm | 450 mm | 4 mm | Piece |
| 17B5=L20-T | left (L) | 20 mm | 450 mm | 4 mm | Piece |
| 17B5=R20-T | right (R) | 20 mm | 450 mm | 4 mm | Piece |



Lower leg side bar

Reference number 17B7

Lower leg side bar for the 17B39 system side bar set

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17B7=L16 | left (L) | 16 mm | 450 mm | 5 mm | Piece |
| 17B7=R16 | right (R) | 16 mm | 450 mm | 5 mm | Piece |
| 17B7=L20 | left (L) | 20 mm | 450 mm | 5 mm | Piece |
| 17B7=R20 | right (R) | 20 mm | 450 mm | 5 mm | Piece |



Lower leg side bar

Reference number 17B87

Lower leg side bar for the 17B84 system side bar set

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17B87=L16 | left (L) | 16 mm | 450 mm | 4 mm | Piece |
| 17B87=R16 | right (R) | 16 mm | 450 mm | 4 mm | Piece |
| 17B87=L20 | left (L) | 20 mm | 450 mm | 4 mm | Piece |
| 17B87=R20 | right (R) | 20 mm | 450 mm | 4 mm | Piece |



Lower leg side bar

Reference number 17B89

Lower leg side bar for 17B85

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17B89=L16 | left (L) | 16 mm | 450 mm | 5 mm | Piece |
| 17B89=R16 | right (R) | 16 mm | 450 mm | 5 mm | Piece |
| 17B89=L20 | left (L) | 20 mm | 450 mm | 5 mm | Piece |
| 17B89=R20 | right (R) | 20 mm | 450 mm | 5 mm | Piece |



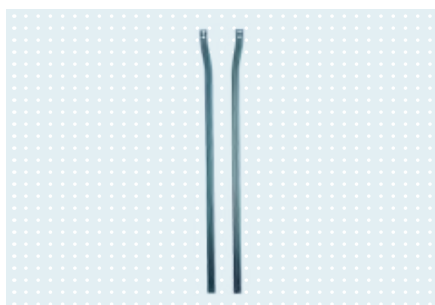
Lower leg side bar

Reference number 17B102

Lower leg side bar made of stainless steel

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17B102=L16 | left (L) | 16 mm | 560 mm | 4 mm | Piece |
| 17B102=R16 | right (R) | 16 mm | 560 mm | 4 mm | Piece |
| 17B102=L20 | left (L) | 20 mm | 560 mm | 4 mm | Piece |
| 17B102=R20 | right (R) | 20 mm | 560 mm | 4 mm | Piece |



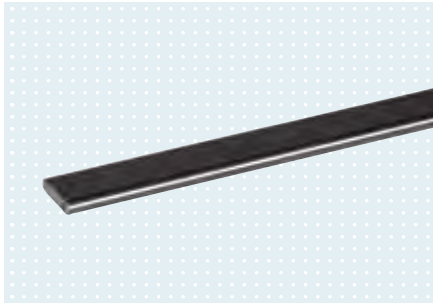
Lower leg side bar

Reference number 17B104

Lower leg side bar from the 17B41 side bar set

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17B104=L16 | left (L) | 16 mm | 560 mm | 5 mm | Piece |
| 17B104=R16 | right (R) | 16 mm | 560 mm | 5 mm | Piece |
| 17B104=L20 | left (L) | 20 mm | 560 mm | 5 mm | Piece |
| 17B104=R20 | right (R) | 20 mm | 560 mm | 5 mm | Piece |



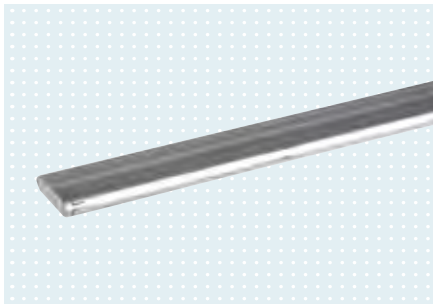
Stainless steel profile rod

Reference number 651P4

Suitable for fabricating system bars, with rounded edges, strength of approx. 800–950 N/mm², spot weldable

Technical data

| Article number | Length | Width | Thickness |
|----------------|----------|-------|-----------|
| 651P4=16 | 2,000 mm | 16 mm | 4 mm |
| 651P4=20 | 2,000 mm | 20 mm | 4 mm |



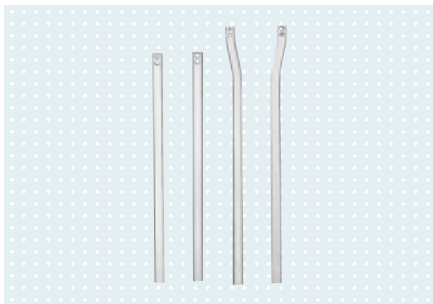
Light metal profile bar

Reference number 605P8

Suitable for fabricating system splints, with rounded edges, strength approx. 400 N/mm²

Technical data

| Article number | Length | Width | Thickness |
|----------------|----------|-------|-----------|
| 605P8=16 | 2,000 mm | 16 mm | 5 mm |
| 605P8=20 | 2,000 mm | 20 mm | 5 mm |



System side bar set

Reference number 17B38

Flat, consisting of two 17B4 and 17B4=T upper side bars and one 17B5 and 17B5=T lower side bar each for the left and right sides, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B38=16 | 16 mm | 4 mm | Set |
| 17B38=16-T | 16 mm | 4 mm | Set |
| 17B38=20 | 20 mm | 4 mm | Set |
| 17B38=20-T | 20 mm | 4 mm | Set |



System side bar set

Reference number 17B39

Consisting of two upper side bars and one left and one right lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B39=16 | 16 mm | 5 mm | Set |
| 17B39=20 | 20 mm | 5 mm | Set |



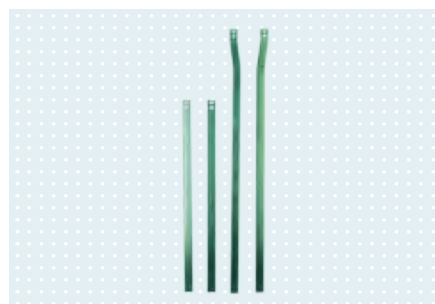
System side bar set

Reference number 17B85

Concave, consisting of two 17B88 upper side bars and one left and one right 17B89 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B85=16 | 16 mm | 5 mm | Set |
| 17B85=20 | 20 mm | 5 mm | Set |



System side bar set

Reference number 17B40

Overlength, flat, consisting of two 17B4 upper side bars and one left and one right 17B102 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B40=16 | 16 mm | 4 mm | Set |
| 17B40=20 | 20 mm | 4 mm | Set |



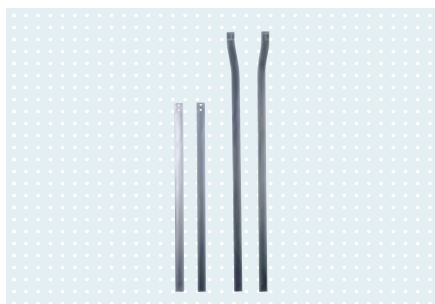
System side bar set

Reference number 17B84

Concave, consisting of two 17B86 upper side bars and one left and one right 17B87 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B84=16 | 16 mm | 4 mm | Set |
| 17B84=20 | 20 mm | 4 mm | Set |



System side bar set, extra long

Reference number 17B41

Consisting of two 17B6 upper side bars and one left and one right 17B104 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B41=16 | 16 mm | 5 mm | Set |
| 17B41=20 | 20 mm | 5 mm | Set |



System ankle joint for children

Reference number 17F53

Multifunction system ankle joint

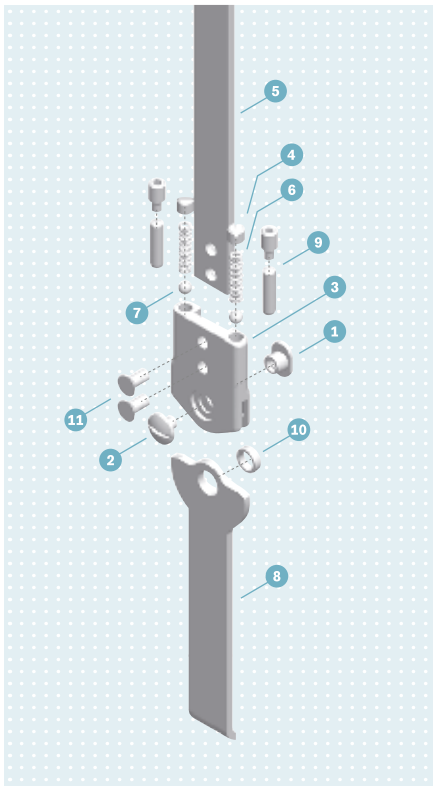
Ankle joints and foot stirrups are stainless steel, side bars are aluminium



Technical data

| Article number | Bar size | Joint height | Joint depth | Joint width | Material | Quantity unit |
|----------------|----------|--------------|-------------|-------------|-----------------|---------------|
| 17F53=5 | 230/14/3 | 38 mm | 6.5 mm | 28 mm | Stainless steel | Pair |
| 17F53=6 | 230/12/3 | 38 mm | 6.5 mm | 24 mm | Stainless steel | Pair |

Spare parts for 17F53



(1) Bearing nut, hardened

Reference number 17Y93

Technical data

| Article number | Spare part for | Insertion length | Profile length | Shank length | Thread | Shoulder Ø | Quantity unit |
|----------------|--------------------|------------------|----------------|--------------|--------|------------|---------------|
| 17Y93=6X5.2XM4 | 17F53=5 17F53=6 | 3.95 mm | 12 mm | 5.2 mm | M4 | 6 mm | Piece |

(2) Slotted truss head screw

Reference number 501S32

Technical data

| Article number | Head Ø | Length | Thread | Material | Quantity unit |
|------------------|--------|--------|--------|-----------------|---------------|
| 501S32=M4X10X7.5 | 10 mm | 7.5 mm | M4 | Stainless steel | Piece |

(3) Ankle joint

Reference number 30U89

Technical data

| Article number | Spare part for |
|----------------|----------------|
| 30U89=5 | 17F53=5 |
| 30U89=6 | 17F53=6 |

(4) Set screw with slot

Reference number 501G2

Technical data

| Article number | Material | Quantity unit |
|----------------|-----------------|---------------|
| 501G2=M5X5 | Stainless steel | Piece |

(5) Side bar

Reference number 17F52

Technical data

| Article number | Spare part for | Length | Width | Thickness | Material | Quantity unit |
|----------------|----------------|--------|-------|-----------|-----------|---------------|
| 17F52=12X3X220 | 17F53=6 | 220 mm | 12 mm | 3 mm | Aluminium | Piece |
| 17F52=14X3X220 | 17F53=5 | 220 mm | 14 mm | 3 mm | Aluminium | Piece |

(6) Compression spring

Reference number 513D19

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 513D19=3.8X20 | Piece |

(7) Bearing ball

Reference number 509Y1

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|--------------------|---------------|
| 509Y1=4.0 | 17F53=5 17F53=6 | Piece |

(8) Foot stirrup

Reference number 17F54

Technical data

| Article number | Spare part for | Length | Material | Quantity unit |
|----------------|--------------------|--------|-----------------|---------------|
| 17F54=100X2.5 | 17F53=5 17F53=6 | 100 mm | Stainless steel | Piece |
| 17F54=125X2.5 | 17F53=5 17F53=6 | 125 mm | Stainless steel | Piece |

(9) Stop set

Reference number 17Y155

Technical data

| Reference number | Quantity unit |
|------------------|---------------|
| 17Y155 | Set |

(10) Brass bushing

Reference number 17Y17

Technical data

| Article number | Material | Quantity unit |
|----------------|----------|---------------|
| 17Y17=6X8X2.4 | Brass | Piece |

(11) Countersunk rivet

Reference number 504S6

Technical data

| Article number | Material | Quantity unit |
|----------------|-----------------|---------------|
| 504S6=4X8 | Stainless steel | Piece |

Accessory for 17F53

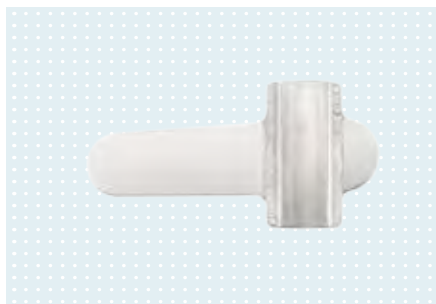


Foot stirrup

Reference number 17F54

Technical data

| Article number | Spare part for | Length | Material | Quantity unit |
|----------------|--------------------|--------|-----------------|---------------|
| 17F54=100X2.5 | 17F53=5 17F53=6 | 100 mm | Stainless steel | Piece |
| 17F54=125X2.5 | 17F53=5 17F53=6 | 125 mm | Stainless steel | Piece |

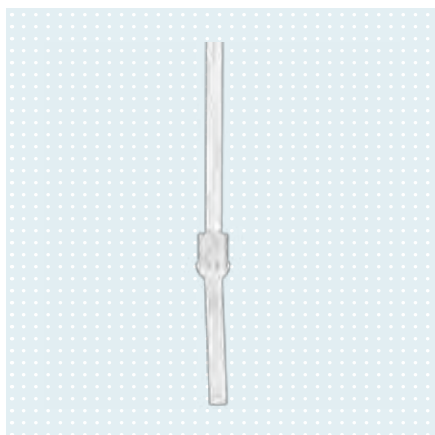


System shoe plate, hardened

Reference number 17F35

Technical data

| Article number | Side | Length | Channel width | Material | Quantity unit |
|----------------|-----------|--------|---------------|-----------------|---------------|
| 17F35=L90 | left (L) | 90 mm | 14 mm | Stainless steel | Piece |
| 17F35=R90 | right (R) | 90 mm | 14 mm | Stainless steel | Piece |
| 17F35=L105 | left (L) | 105 mm | 16 mm | Stainless steel | Piece |
| 17F35=R105 | right (R) | 105 mm | 16 mm | Stainless steel | Piece |



System orthotic ankle joint for children

Reference number 17F65

Multifunction system ankle joint

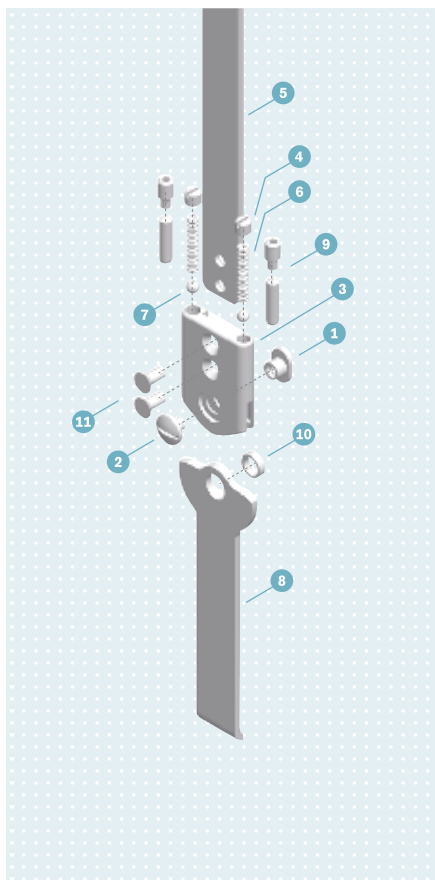
Ankle joints are titanium, foot stirrups are stainless steel



Technical data

| Article number | Bar size | Joint height | Joint depth | Joint width | Material | Quantity unit |
|----------------|----------|--------------|-------------|-------------|----------|---------------|
| 17F65=6 | 150/12/3 | 38 mm | 6.5 mm | 24 mm | Titanium | Piece |
| 17F65=5 | 200/15/3 | 38 mm | 6.5 mm | 28 mm | Titanium | Piece |

Spare parts for 17F65



(1) Bearing nut, hardened

Reference number 17Y93

Technical data

| Article number | Spare part for | Insertion length | Profile length | Shank length | Thread | Shoulder Ø | Quantity unit |
|----------------|--------------------|------------------|----------------|--------------|--------|------------|---------------|
| 17Y93=6X5.2XM4 | 17F65=5 17F65=6 | 3.95 mm | 12 mm | 5.2 mm | M4 | 6 mm | Piece |

(2) Slotted truss head screw

Reference number 501S32

Technical data

| Article number | Head Ø | Length | Thread | Material | Quantity unit |
|------------------|--------|--------|--------|-----------------|---------------|
| 501S32=M4X10X7.5 | 10 mm | 7.5 mm | M4 | Stainless steel | Piece |

(3) Ankle joint

Reference number 30U116

Technical data

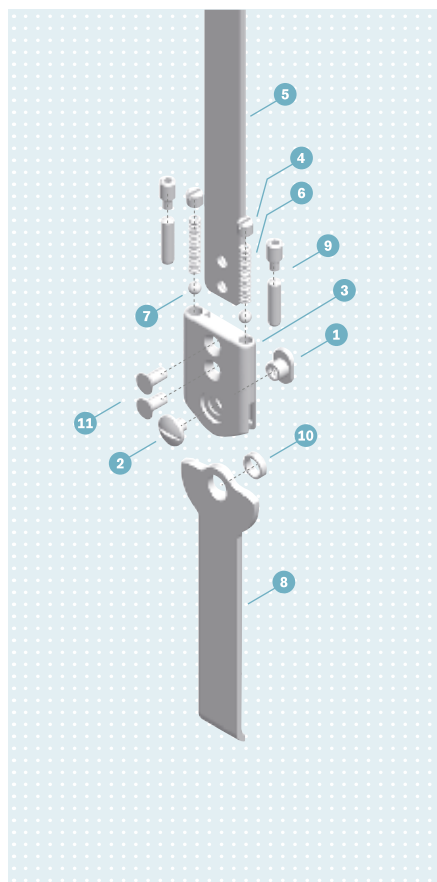
| Article number | Connection width | Head Ø | Slot width | Material | Quantity unit |
|----------------|------------------|--------|------------|----------|---------------|
| 30U116=6 | 12 mm | 16 mm | 2.5 mm | Titanium | Piece |
| 30U116=5 | 15 mm | 19 mm | 2.5 mm | Titanium | Piece |

(4) Set screw with slot

Reference number 501G2

Technical data

| Article number | Material | Quantity unit |
|----------------|-----------------|---------------|
| 501G2=M5X5 | Stainless steel | Piece |



(5) Side bar

Reference number 30E109

Technical data

| Article number | Length | Material | Quantity unit |
|----------------|--------|----------|---------------|
| 30E109=5 | 200 mm | Titanium | Piece |
| 30E109=6 | 150 mm | Titanium | Piece |

(6) Compression spring

Reference number 513D19

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 513D19=3.8X20 | Piece |

(7) Bearing ball

Reference number 509Y1

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|--------------------|---------------|
| 509Y1=4.0 | 17F65=5 17F65=6 | Piece |

(8) Foot stirrup

Reference number 17F54

Technical data

| Article number | Spare part for | Length | Material | Quantity unit |
|----------------|--------------------|--------|-----------------|---------------|
| 17F54=100X2.5 | 17F65=5 17F65=6 | 100 mm | Stainless steel | Piece |
| 17F54=125X2.5 | 17F65=5 17F65=6 | 125 mm | Stainless steel | Piece |

(9) Stop set

Reference number 17Y155

Technical data

| Reference number | Quantity unit |
|------------------|---------------|
| 17Y155 | Set |

(10) Brass bushing

Reference number 17Y17

Technical data

| Article number | Material | Quantity unit |
|----------------|----------|---------------|
| 17Y17=6X8X2.4 | Brass | Piece |

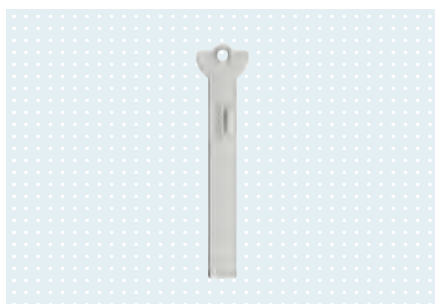
(11) Countersunk rivet

Reference number 504S6

Technical data

| Article number | Material | Quantity unit |
|----------------|-----------------|---------------|
| 504S6=4X8 | Stainless steel | Piece |

Accessory for 17F65

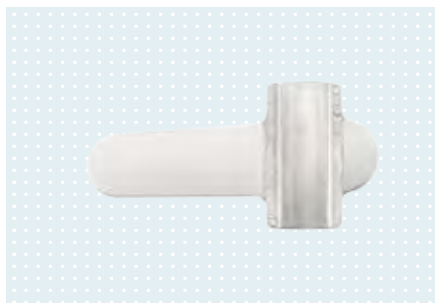


Foot stirrup

Reference number 17F54

Technical data

| Article number | Spare part for | Length | Material | Quantity unit |
|----------------|--------------------|--------|-----------------|---------------|
| 17F54=100X2.5 | 17F65=5 17F65=6 | 100 mm | Stainless steel | Piece |
| 17F54=125X2.5 | 17F65=5 17F65=6 | 125 mm | Stainless steel | Piece |



System shoe plate, hardened

Reference number 17F35

with insert piece

Technical data

| Article number | Side | Length | Channel width | Material | Quantity unit |
|----------------|-----------|--------|---------------|-----------------|---------------|
| 17F35=L90 | left (L) | 90 mm | 14 mm | Stainless steel | Piece |
| 17F35=L105 | left (L) | 105 mm | 16 mm | Stainless steel | Piece |
| 17F35=R90 | right (R) | 90 mm | 14 mm | Stainless steel | Piece |
| 17F35=R105 | right (R) | 105 mm | 16 mm | Stainless steel | Piece |



CarbonIQ orthotic ankle joint

Reference number 17PA1

The 17PA1 ankle joint is a double-action joint based on Ottobock's 17B66 ankle joint. This type of joint offers the most versatile fitting by far. The different possibilities for settings and combinations allow the functions of this type of joint to be adapted to the user's requirements at any time, even if these change over the course of the fitting. Different versions to influence plantar flexion and dorsal extension are available.



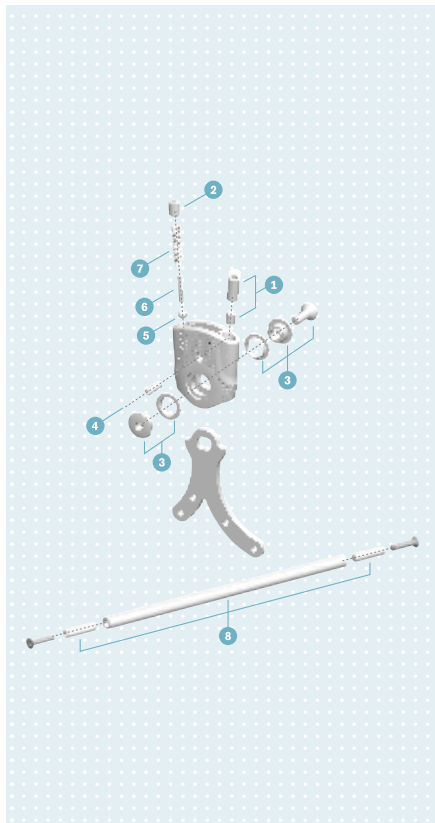
Information material

| | |
|-------------------|--|
| 646D578=EN_MASTER | 17PK1/17PA1 information for practitioners |
| 646D1306=EN_INT | Ankle joint selection guide |
| 646F595=EN_MASTER | Ankle joints overview |
| 646F465=ALL_INT | AFO selection guide |
| 646T5=4.6EN | TI fabrication of a knee-ankle-foot orthosis using thermoplastic technology with CarbonIQ joint system |
| 647G641 | 17PA1 instructions for use |

Technical data

| Article number | Side | Max. body weight | Material | Quantity unit |
|----------------|-------------|------------------|--------------------------------------|---------------|
| 17PA1=14 | left, right | 45 kg | Plastic reinforced with carbon fibre | Pair |
| 17PA1=20 | left, right | 100 kg | Plastic reinforced with carbon fibre | Pair |

Spare parts for 17PA1=14



(1) Set of Stops

Reference number 30G79

Technical data

| Article number | Scope of delivery | Quantity unit |
|----------------|---------------------------------|---------------|
| 30G79 | 1x set screw 1x cylinder Pin | Set |

(2) Set screw with end bore

Reference number 30Y289

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 30Y289 | Piece |

(3) Service set

Reference number 29PA1

Technical data

| Article number | Scope of delivery | Quantity unit |
|----------------|--|---------------|
| 29PA1=14 | 1x 501S84=M6X14 1x 30Y215 1x 509G10=12X13X3 1x 30Y214 | Set |

(4) Set screw

Reference number 506G21

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 506G21=M4X12 | Piece |

(5) Bearing ball

Reference number 509Y1

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 509Y1=5.0 | Piece |

(6) Cylinder Pin

Reference number 506A8

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 506A8=2X16 | Piece |

(7) Compression spring

Reference number 513D87

Technical data

| Article number | Quantity unit |
|--------------------|---------------|
| 513D87=0.75X2.95X2 | Piece |

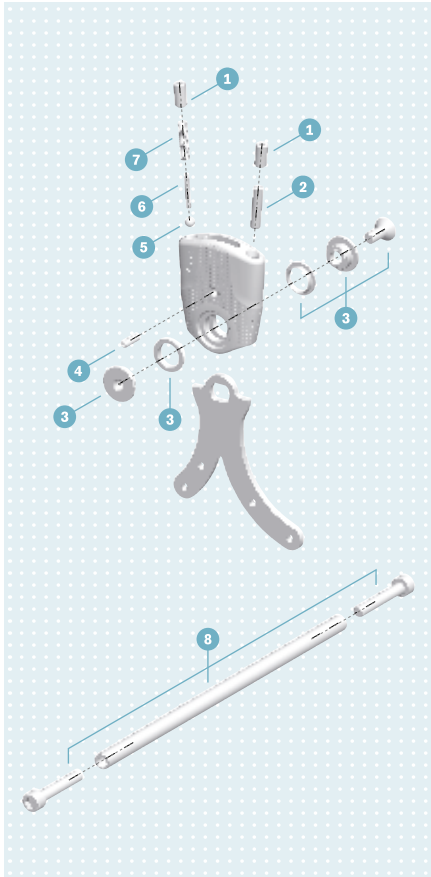
(8) Adjustment aid

Reference number 29PK4

Technical data

| Article number | Scope of delivery | Quantity unit |
|----------------|---|---------------|
| 29PK4=14 | 1x flat head screw 1x paralleling tool 1x parallel retainer adapter | Set |

Spare parts for 17PA1=20



(1) Gewindestift

Reference number 506G36

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 506G36=M6X14 | Piece |

(2) Stop Pin (small)

Reference number 506A8

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 506A8=5X20 | Piece |

(3) Service set

Reference number 29PA1

Technical data

| Article number | Scope of delivery | Quantity unit |
|----------------|--|---------------|
| 29PA1 | 1x 501S84=M6X14 1x 30Y215 1x 509G10=12X13X3 1x 30Y214 | Set |

(4) Set screw

Reference number 506G3

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 506G3=M4X12 | Piece |

(5) Steel Ball

Reference number 509Y1

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 509Y1=5.0 | Piece |

(6) Stop Pin (small)

Reference number 506A8

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 506A8=2.5X18 | Piece |

(7) Compression spring

Reference number 513D18

Technical data

| Article number | Quantity unit |
|-----------------|---------------|
| 513D18=4.7X31-1 | Piece |

(8) Adjustment aid

Reference number 29PK4

Technical data

| Article number | Scope of delivery | Quantity unit |
|----------------|-------------------------------------|---------------|
| 29PK4 | 1x cap screw 1x paralleling tool | Set |

Accessory for 17PA1



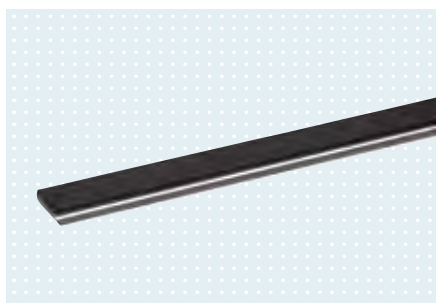
Foot stirrup

Reference number 17PF1

Foot stirrup for 17PA1 and 17PA1=*-WR

Technical data

| Article number | Accessories for | Material | Quantity unit |
|----------------|-------------------------|-----------------|---------------|
| 17PF1=14 | 17PA1=14 17PA1=14-WR | Stainless steel | Piece |
| 17PF1 | 17PA1=20 17PA1=20-WR | Stainless steel | Piece |



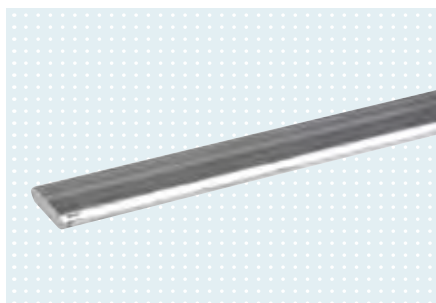
Stainless steel profile rod

Reference number 651P4

Suitable for fabricating system bars, with rounded edges, strength of approx. 800–950 N/mm², spot weldable

Technical data

| Article number | Length | Width | Thickness |
|----------------|----------|-------|-----------|
| 651P4=16 | 2,000 mm | 16 mm | 4 mm |
| 651P4=20 | 2,000 mm | 20 mm | 4 mm |



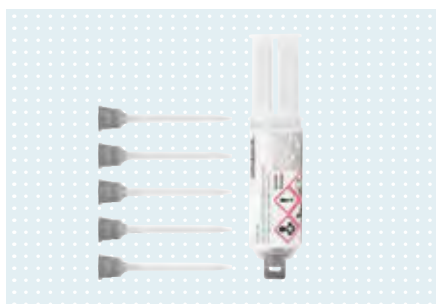
Light metal profile bar

Reference number 605P8

Suitable for fabricating system splints, with rounded edges, strength approx. 400 N/mm²

Technical data

| Article number | Length | Width | Thickness |
|----------------|----------|-------|-----------|
| 605P8=14 | 1000 mm | 14 mm | 5 mm |
| 605P8=20 | 2,000 mm | 20 mm | 5 mm |



Special adhesive cartridge A and B

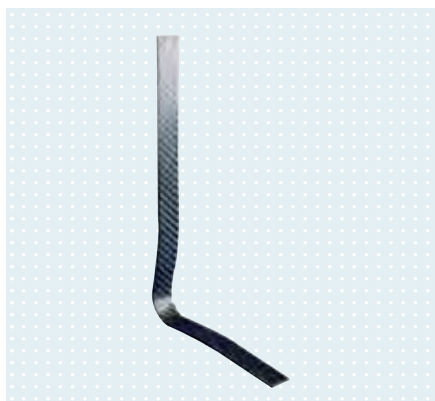
Reference number 636W28

- For adhering foot adapters
- For adhering metal to wood
- For gluing unilateral bar systems and E-MAG knee joints
- Base: epoxy resin and pigments (A), polyaminoamide (B)
- Pasty consistency



Technical data

| Article number | Net contents | Package contents |
|----------------|---------------------------------------|---|
| 636W28 | 12.5 ml adhesive and 12.5 ml hardener | 1 cartridge, 1 piston and 5 static mixers |



Carbon Ankle seven

Reference number 17CF1

Carbon Ankle seven carbon springs make it possible to construct especially lightweight ankle-foot orthoses which are also able to withstand high dynamic loads.

Features and benefits

- Positive influence on the gait pattern
- Very lightweight design
- Classification makes it easy to select the right product
- Suitable for thermoplastic and laminated orthoses

Indications

- Paralysis or weakness of the foot lifting and lowering musculature and/or the knee extensors. Examples of typical underlying diseases include
 - Spina bifida
 - Poliomyelitis

Modes of action

The carbon springs are designed to initiate extension moments of the hip and knee during walking and thus achieve extension and knee stability in the lower limbs. The energy generated during heel strike is stored in the carbon matrix and returned at toe-off. In contrast to conventional ankle joint orthoses, the limits in the plantar and dorsal direction are dynamic and are not subject to static restriction.

Selecting and ordering

- The Carbon Ankle seven is selected on the basis of the user's body weight and activity level.

Normal activity level

- A normally active user participates in all everyday activities independently and also performs relatively easy tasks.

High activity level

- A highly active user is unrestricted in everyday life. The orthosis has to support quick changes in walking and running speeds, e.g. for people who do sports or for children.

Information material

| | |
|-------------------|-------------------------------------|
| 646D232=EN_MASTER | 17CF1 information for practitioners |
| 646D1306=EN_INT | Ankle joint selection guide |
| 646F595=EN_MASTER | Ankle joints overview |
| 646F465=ALL_INT | AFO selection guide |
| 646F464=ALL_INT | KAFO selection guide |
| 647G346=ALL_INT | 17CF1 instructions for use |

Scope of delivery

| | |
|-------|--------------------|
| 17CF1 | Carbon Ankle seven |
|-------|--------------------|



Technical data

| Article number | Side | Max. body weight (normal activity) | Max. body weight (high activity) | Spring width | Quantity unit |
|----------------|-----------|------------------------------------|----------------------------------|--------------|---------------|
| 17CF1=L1 | left (L) | 100 kg | 100 kg | 30 mm | Piece |
| 17CF1=R1 | right (R) | 100 kg | 100 kg | 30 mm | Piece |
| 17CF1=L2 | left (L) | 90 kg | 80 kg | 30 mm | Piece |
| 17CF1=R2 | right (R) | 90 kg | 80 kg | 30 mm | Piece |
| 17CF1=L3 | left (L) | 80 kg | 70 kg | 30 mm | Piece |
| 17CF1=R3 | right (R) | 80 kg | 70 kg | 30 mm | Piece |
| 17CF1=L4 | left (L) | 70 kg | 60 kg | 30 mm | Piece |
| 17CF1=R4 | right (R) | 70 kg | 60 kg | 30 mm | Piece |
| 17CF1=L5 | left (L) | 60 kg | 50 kg | 30 mm | Piece |
| 17CF1=R5 | right (R) | 60 kg | 50 kg | 30 mm | Piece |
| 17CF1=L6 | left (L) | 50 kg | | 25/30 mm | Piece |
| 17CF1=R6 | right (R) | 50 kg | | 25/30 mm | Piece |
| 17CF1=L7 | left (L) | | 40 kg | 25 mm | Piece |
| 17CF1=R7 | right (R) | | 40 kg | 25 mm | Piece |
| 17CF1=L8 | left (L) | 40 kg | 30 kg | 25 mm | Piece |
| 17CF1=R8 | right (R) | 40 kg | 30 kg | 25 mm | Piece |
| 17CF1=L9 | left (L) | 30 kg | | 25 mm | Piece |
| 17CF1=R9 | right (R) | 30 kg | | 25 mm | Piece |
| 17CF1=L10 | left (L) | | 20 kg | 25 mm | Piece |
| 17CF1=R10 | right (R) | | 20 kg | 25 mm | Piece |
| 17CF1=L11 | left (L) | 20 kg | 10 kg | 22 mm | Piece |
| 17CF1=R11 | right (R) | 20 kg | 10 kg | 22 mm | Piece |
| 17CF1=L12 | left (L) | 10 kg | | 22 mm | Piece |
| 17CF1=R12 | right (R) | 10 kg | | 22 mm | Piece |

- The scope of delivery includes detailed mounting instructions as well as the mounting materials needed for integration into an orthosis.
- The classification applies to AFOs that are intended to influence the knee joint.
- The use of the Carbon Ankle Seven carbon spring for KAFOs may require a deviation from the classification.
- The specified weights are important for functionality, not durability.

Components of 17CF1



Welding nut

Reference number 502E3

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 502E3=M5X7.5 | Piece |
| 502E3=M4X6 | Piece |

2



Phillips oval countersunk head screw

Reference number 501S86

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 501S86=M5X14 | Piece |
| 501S86=M4X12 | Piece |



Rosette washer

Reference number 507U9

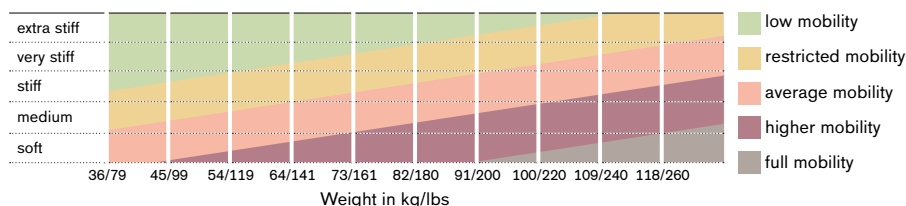
Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 507U9=M5 | Piece |
| 507U9=M4 | Piece |

Flat CFP- 31cm Soft

Available in different versions to suit various indications, as platform/basis for foot orthoses or in case of partial foot amputations

- Replaces steel spring insert for illnesses that require restricted mobility of the foot
- Improved gait efficiency and comfort through control of excessive mobility or flexion limitation
- Redistribution of pressure to less sensitive areas for diabetes patients
- The carbon fibre foot plates are not thermoformable.



Carbon fibre foot plate

Reference number SL=F

Technical data

| Article number | Size | Stiffness (SL) | Version |
|----------------|-------|----------------|---------|
| SL=F16S | 16 cm | Soft | Flat |
| SL=F16M | 16 cm | Medium | Flat |
| SL=F16F | 16 cm | Stiff | Flat |
| SL=F16XF | 16 cm | Very stiff | Flat |
| SL=F16XXF | 16 cm | Extra stiff | Flat |
| SL=F19S | 19 cm | Soft | Flat |
| SL=F19M | 19 cm | Medium | Flat |
| SL=F19F | 19 cm | Stiff | Flat |
| SL=F19XF | 19 cm | Very stiff | Flat |
| SL=F19XXF | 19 cm | Extra stiff | Flat |
| SL=F22S | 22 cm | Soft | Flat |
| SL=F22M | 22 cm | Medium | Flat |
| SL=F22F | 22 cm | Stiff | Flat |
| SL=F22XF | 22 cm | Very stiff | Flat |
| SL=F22XXF | 22 cm | Extra stiff | Flat |
| SL=F25S | 25 cm | Soft | Flat |
| SL=F25M | 25 cm | Medium | Flat |
| SL=F25F | 25 cm | Stiff | Flat |
| SL=F25XF | 25 cm | Very stiff | Flat |
| SL=F25XXF | 25 cm | Extra stiff | Flat |
| SL=F28S | 28 cm | Soft | Flat |
| SL=F28M | 28 cm | Medium | Flat |
| SL=F28F | 28 cm | Stiff | Flat |
| SL=F28XF | 28 cm | Very stiff | Flat |
| SL=F28XXF | 28 cm | Extra stiff | Flat |
| SL=F31S | 31 cm | Soft | Flat |
| SL=F31M | 31 cm | Medium | Flat |
| SL=F31F | 31 cm | Stiff | Flat |
| SL=F31XF | 31 cm | Very stiff | Flat |
| SL=F31XXF | 31 cm | Extra stiff | Flat |



Carbon fibre foot plate

Reference number SL=AL

Technical data

| Article number | Size | Stiffness (SL) | Version |
|----------------|-------|----------------|--------------------|
| SL=AL16S | 16 cm | Soft | arched on the left |
| SL=AL16M | 16 cm | Medium | arched on the left |
| SL=AL16F | 16 cm | Stiff | arched on the left |
| SL=AL16XF | 16 cm | Very stiff | arched on the left |
| SL=AL16XXF | 16 cm | Extra stiff | arched on the left |
| SL=AL19S | 19 cm | Soft | arched on the left |
| SL=AL19M | 19 cm | Medium | arched on the left |
| SL=AL19F | 19 cm | Stiff | arched on the left |
| SL=AL19XF | 19 cm | Very stiff | arched on the left |
| SL=AL19XXF | 19 cm | Extra stiff | arched on the left |
| SL=AL22S | 22 cm | Soft | arched on the left |
| SL=AL22M | 22 cm | Medium | arched on the left |
| SL=AL22F | 22 cm | Stiff | arched on the left |
| SL=AL22XF | 22 cm | Very stiff | arched on the left |
| SL=AL22XXF | 22 cm | Extra stiff | arched on the left |
| SL=AL25S | 25 cm | Soft | arched on the left |
| SL=AL25M | 25 cm | Medium | arched on the left |
| SL=AL25F | 25 cm | Stiff | arched on the left |
| SL=AL25XF | 25 cm | Very stiff | arched on the left |
| SL=AL25XXF | 25 cm | Extra stiff | arched on the left |
| SL=AL28S | 28 cm | Soft | arched on the left |
| SL=AL28M | 28 cm | Medium | arched on the left |
| SL=AL28F | 28 cm | Stiff | arched on the left |
| SL=AL28XF | 28 cm | Very stiff | arched on the left |
| SL=AL28XXF | 28 cm | Extra stiff | arched on the left |
| SL=AL31S | 31 cm | Soft | arched on the left |
| SL=AL31M | 31 cm | Medium | arched on the left |
| SL=AL31F | 31 cm | Stiff | arched on the left |
| SL=AL31XF | 31 cm | Very stiff | arched on the left |
| SL=AL31XXF | 31 cm | Extra stiff | arched on the left |



Carbon fibre foot plate

Reference number SL=AR

Technical data

| Article number | Size | Stiffness (SL) | Version |
|----------------|-------|----------------|---------------------|
| SL=AR16S | 16 cm | Soft | arched on the right |
| SL=AR16M | 16 cm | Medium | arched on the right |
| SL=AR16F | 16 cm | Stiff | arched on the right |
| SL=AR16XF | 16 cm | Very stiff | arched on the right |
| SL=AR16XXF | 16 cm | Extra stiff | arched on the right |
| SL=AR19S | 19 cm | Soft | arched on the right |
| SL=AR19M | 19 cm | Medium | arched on the right |
| SL=AR19F | 19 cm | Stiff | arched on the right |
| SL=AR19XF | 19 cm | Very stiff | arched on the right |
| SL=AR19XXF | 19 cm | Extra stiff | arched on the right |
| SL=AR22S | 22 cm | Soft | arched on the right |
| SL=AR22M | 22 cm | Medium | arched on the right |
| SL=AR22F | 22 cm | Stiff | arched on the right |
| SL=AR22XF | 22 cm | Very stiff | arched on the right |
| SL=AR22XXF | 22 cm | Extra stiff | arched on the right |
| SL=AR25S | 25 cm | Soft | arched on the right |
| SL=AR25M | 25 cm | Medium | arched on the right |
| SL=AR25F | 25 cm | Stiff | arched on the right |
| SL=AR25XF | 25 cm | Very stiff | arched on the right |
| SL=AR25XXF | 25 cm | Extra stiff | arched on the right |
| SL=AR28S | 28 cm | Soft | arched on the right |
| SL=AR28M | 28 cm | Medium | arched on the right |
| SL=AR28M | 28 cm | Medium | arched on the right |
| SL=AR28F | 28 cm | Stiff | arched on the right |
| SL=AR28XF | 28 cm | Very stiff | arched on the right |
| SL=AR28XXF | 28 cm | Extra stiff | arched on the right |
| SL=AR31S | 31 cm | Soft | arched on the right |
| SL=AR31M | 31 cm | Medium | arched on the right |
| SL=AR31XF | 31 cm | Very stiff | arched on the right |
| SL=AR31XXF | 31 cm | Extra stiff | arched on the right |



Carbon fibre foot plate

Reference number SL=HAL

Technical data

| Article number | Size | Stiffness (SL) | Version |
|----------------|-------|----------------|--------------------------------|
| SL=HAL16S | 16 cm | Soft | 13 mm heel, arched on the left |
| SL=HAL16M | 16 cm | Medium | 13 mm heel, arched on the left |
| SL=HAL16F | 16 cm | Stiff | 13 mm heel, arched on the left |
| SL=HAL16XF | 16 cm | Very stiff | 13 mm heel, arched on the left |
| SL=HAL16XXF | 16 cm | Extra stiff | 13 mm heel, arched on the left |
| SL=HAL19S | 19 cm | Soft | 13 mm heel, arched on the left |
| SL=HAL19M | 19 cm | Medium | 13 mm heel, arched on the left |
| SL=HAL19F | 19 cm | Stiff | 13 mm heel, arched on the left |
| SL=HAL19XF | 19 cm | Very stiff | 13 mm heel, arched on the left |
| SL=HAL19XXF | 19 cm | Extra stiff | 13 mm heel, arched on the left |
| SL=HAL22S | 22 cm | Soft | 13 mm heel, arched on the left |
| SL=HAL22M | 22 cm | Medium | 13 mm heel, arched on the left |
| SL=HAL22F | 22 cm | Stiff | 13 mm heel, arched on the left |
| SL=HAL22XF | 22 cm | Very stiff | 13 mm heel, arched on the left |
| SL=HAL22XXF | 22 cm | Extra stiff | 13 mm heel, arched on the left |
| SL=HAL25S | 25 cm | Soft | 13 mm heel, arched on the left |
| SL=HAL25M | 25 cm | Medium | 13 mm heel, arched on the left |
| SL=HAL25F | 25 cm | Stiff | 13 mm heel, arched on the left |
| SL=HAL25XF | 25 cm | Very stiff | 13 mm heel, arched on the left |
| SL=HAL25XXF | 25 cm | Extra stiff | 13 mm heel, arched on the left |
| SL=HAL28S | 28 cm | Soft | 13 mm heel, arched on the left |
| SL=HAL28M | 28 cm | Medium | 13 mm heel, arched on the left |
| SL=HAL28F | 28 cm | Stiff | 13 mm heel, arched on the left |
| SL=HAL28XF | 28 cm | Very stiff | 13 mm heel, arched on the left |
| SL=HAL28XXF | 28 cm | Extra stiff | 13 mm heel, arched on the left |
| SL=HAL31S | 31 cm | Soft | 13 mm heel, arched on the left |
| SL=HAL31M | 31 cm | Medium | 13 mm heel, arched on the left |
| SL=HAL31F | 31 cm | Stiff | 13 mm heel, arched on the left |
| SL=HAL31XF | 31 cm | Very stiff | 13 mm heel, arched on the left |
| SL=HAR31XXF | 31 cm | Extra stiff | 13 mm heel, arched on the left |
| SL=HAL31XXF | 31 cm | Extra stiff | 13 mm heel, arched on the left |



Carbon fibre foot plate

Reference number SL=HAR

Technical data

| Article number | Size | Stiffness (SL) | Version |
|----------------|-------|----------------|---------------------------------|
| SL=HAR16S | 16 cm | Soft | 13 mm heel, arched on the right |
| SL=HAR16M | 16 cm | Medium | 13 mm heel, arched on the right |
| SL=HAR16F | 16 cm | Stiff | 13 mm heel, arched on the right |
| SL=HAR16XF | 16 cm | Very stiff | 13 mm heel, arched on the right |
| SL=HAR16XXF | 16 cm | Extra stiff | 13 mm heel, arched on the right |
| SL=HAR19S | 19 cm | Soft | 13 mm heel, arched on the right |
| SL=HAR19M | 19 cm | Medium | 13 mm heel, arched on the right |
| SL=HAR19F | 19 cm | Stiff | 13 mm heel, arched on the right |
| SL=HAR19XF | 19 cm | Very stiff | 13 mm heel, arched on the right |
| SL=HAR19XXF | 19 cm | Extra stiff | 13 mm heel, arched on the right |
| SL=HAR22S | 22 cm | Soft | 13 mm heel, arched on the right |
| SL=HAR22M | 22 cm | Medium | 13 mm heel, arched on the right |
| SL=HAR22F | 22 cm | Stiff | 13 mm heel, arched on the right |
| SL=HAR22XF | 22 cm | Very stiff | 13 mm heel, arched on the right |
| SL=HAR22XXF | 22 cm | Extra stiff | 13 mm heel, arched on the right |
| SL=HAR25S | 25 cm | Soft | 13 mm heel, arched on the right |
| SL=HAR25M | 25 cm | Medium | 13 mm heel, arched on the right |
| SL=HAR25F | 25 cm | Stiff | 13 mm heel, arched on the right |
| SL=HAR25XF | 25 cm | Very stiff | 13 mm heel, arched on the right |
| SL=HAR25XXF | 25 cm | Extra stiff | 13 mm heel, arched on the right |
| SL=HAR28S | 28 cm | Soft | 13 mm heel, arched on the right |
| SL=HAR28M | 28 cm | Medium | 13 mm heel, arched on the right |
| SL=HAR28F | 28 cm | Stiff | 13 mm heel, arched on the right |
| SL=HAR28XF | 28 cm | Very stiff | 13 mm heel, arched on the right |
| SL=HAR28XXF | 28 cm | Extra stiff | 13 mm heel, arched on the right |
| SL=HAR31S | 31 cm | Soft | 13 mm heel, arched on the right |
| SL=HAR31M | 31 cm | Medium | 13 mm heel, arched on the right |
| SL=HAR31F | 31 cm | Stiff | 13 mm heel, arched on the right |
| SL=HAR31XF | 31 cm | Very stiff | 13 mm heel, arched on the right |



Contoured CFP- 22M

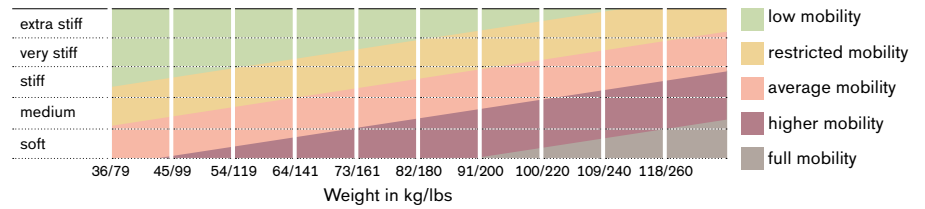
Reference number SL=CFP

Technical data

| Article number | Size | Stiffness (SL) | Version |
|----------------|-------|----------------|-----------|
| SL=CFP22S | 22 cm | Soft | contoured |
| SL=CFP22M | 22 cm | Medium | contoured |
| SL=CFP22F | 22 cm | Stiff | contoured |
| SL=CFP22XF | 22 cm | Very stiff | contoured |
| SL=CFP22XXF | 22 cm | Extra stiff | contoured |
| SL=CFP25S | 25 cm | Soft | contoured |
| SL=CFP25M | 25 cm | Medium | contoured |
| SL=CFP25F | 25 cm | Stiff | contoured |
| SL=CFP25XF | 25 cm | Very stiff | contoured |
| SL=CFP25XXF | 25 cm | Extra stiff | contoured |
| SL=CFP28S | 28 cm | Soft | contoured |
| SL=CFP28M | 28 cm | Medium | contoured |
| SL=CFP28F | 28 cm | Stiff | contoured |
| SL=CFP28XF | 28 cm | Very stiff | contoured |
| SL=CFP28XXF | 28 cm | Extra stiff | contoured |
| SL=CFP31S | 31 cm | Soft | contoured |
| SL=CFP31M | 31 cm | Medium | contoured |
| SL=CFP31F | 31 cm | Stiff | contoured |
| SL=CFP31XF | 31 cm | Very stiff | contoured |
| SL=CFP31XXF | 31 cm | Extra stiff | contoured |

Morton's extension

For the treatment of Morton's neuroma, hallux rigidus, stress fractures and hallux malleus (Turf toe™) – 13 mm heel



Morton's extension

Reference number SL=ME

Technical data

| Article number | Side | Stiffness (SL) | Version |
|----------------|-------|----------------|------------------------------|
| SL=ME-F-M | | Medium | Standard (20 cm) + flat |
| SL=ME-F-F | | Stiff | Standard (20 cm) + flat |
| SL=ME-CR-M | right | Medium | Standard (20 cm) + contoured |
| SL=ME-CL-M | left | Medium | Standard (20 cm) + contoured |
| SL=ME-CR-F | right | Stiff | Standard (20 cm) + contoured |
| SL=ME-CL-F | left | Stiff | Standard (20 cm) + contoured |



Morton's extension

Reference number SL=MEL

Technical data

| Article number | Side | Stiffness (SL) | Version |
|----------------|-------|----------------|----------------------------|
| SL=MEL-F-M | | Medium | Long (25.5 cm) + flat |
| SL=MEL-F-F | | Stiff | Long (25.5 cm) + flat |
| SL=MEL-CR-M | right | Medium | Long (25.5 cm) + contoured |
| SL=MEL-CL-M | left | Medium | Long (25.5 cm) + contoured |
| SL=MEL-CR-F | right | Stiff | Long (25.5 cm) + contoured |
| SL=MEL-CL-F | left | Stiff | Long (25.5 cm) + contoured |



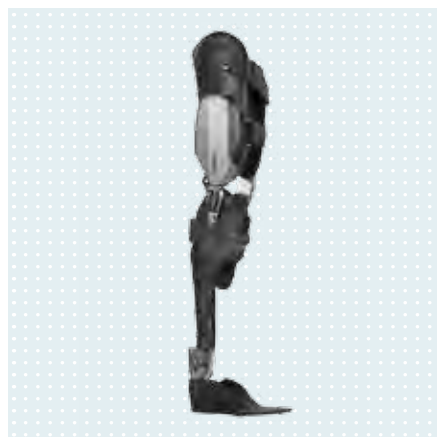


KAFO/KO

All knee joints and knee joint systems, including traditional mechanical and mechatronic, are presented in this section.



Visit **Ottobock Scandinavia professionals site** to obtain up-to-date product information at any time.



C-Brace® orthotronic mobility system

Reference number 17KO1000=0_B

The C-Brace® supports the user during the gait cycle and adapts to any everyday situation in real time. Flexion under load, walking over uneven terrain and on slopes or going down stairs step-over-step: all this defines a new level of mobility. The new C-Brace® is smaller, lighter and can be worn inconspicuously under clothing.

Key features

- Unique SSCO® system (Stance and Swing Phase Control Orthosis)
- Microprocessor-controlled stance and swing phase
- Entire gait cycle can be controlled dynamically and in real time
- System responds quickly to any everyday situation

Indications

- Unilateral or bilateral flaccid leg paresis or paralysis
- Physical prerequisites such as muscle status, joint mobility and possible axis deviations are crucial, as they must guarantee proper control of the orthosis.
- The user must fulfil the physical and mental requirements for perceiving optical/acoustic signals and/or mechanical vibrations.
- The existing muscle strength of the hip extensors and flexors must permit the controlled swing-through of the limb

Contraindications

- Flexion contracture in the knee and/or hip joint > 10°
- Varus malposition > 10° or valgus malposition > 10°
- Severe spasticity
- Body weight > 125 kg

Relative contraindications

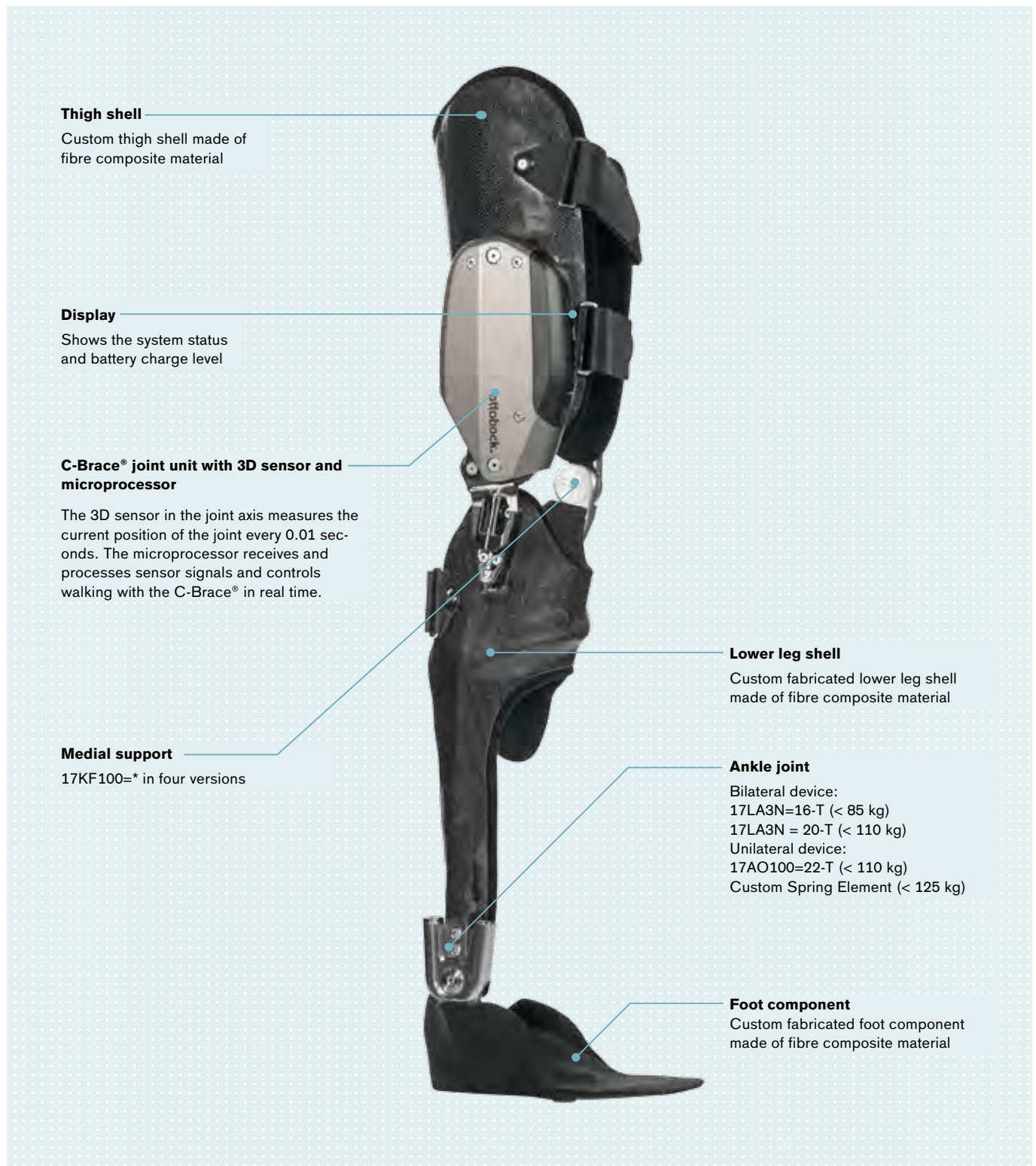
- Spasticity
- Certification is required for the C-Brace® orthotronic mobility system! Please contact your customer service representative or your regional contact person regarding this.

Information material

| | |
|--------------------|---|
| 646D1300=DE_MASTER | C-Brace® information for practitioners |
| 646M83=EN_MASTER | C-Brace® patient selection aid |
| 646M84=EN_MASTER | C-Brace® medical history form |
| 647F340=EN_MASTER | C-Brace® trial fitting documentation form |
| 647F591=EN_MASTER | C-Brace® custom fabrication order form |
| 647F594=EN_MASTER | C-Brace order form |
| 647G1337 | C-Brace® instructions for use |
| 646D1358=EN_INT | Clinical studies – C-Brace® |
| 646A339=EN_INT | C-Brace® therapy information |
| 646F430=EN_INT | C-Brace® therapy exercises poster |
| 646H8=EN_INT | C-Brace® user information |
| 646H9=ALL_INT | Orthotic Passport |
| 646D1182 | C-Brace® instructions for use (user) |
| 646D1325=EN_MASTER | C-Brace® service pass |
| 646D1390=EN_MASTER | C-Brace® service FAQ (external) |
| 646V92=INT | Video on print C-Brace® |

C-Brace®

What's inside



Components of 17KO1000=0_B



C-Brace® joint unit

Reference number 17KO1

The C-Brace® joint unit contains a 3D sensor in the joint axis, which measures the current position of the joint every 0.01 seconds. A microprocessor receives and processes the sensor signals and controls walking with the C-Brace® in real time.

Technical data

| Article number | Side | Max. body weight |
|----------------|-----------|------------------|
| 17KO1=L | left (L) | 125 kg |
| 17KO1=R | right (R) | 125 kg |



Tablet with C-Brace® Setup app

Reference number 570A16

Samsung Galaxy tablet with Android operating system. Optional accessory; the Setup app can be downloaded directly from the App Store (iOS) or Play Store (Android).

Technical data

| Article number |
|----------------|
| 570A16=V1 |

- Setup app pre-installed
- Please note that the seal of the packaging is broken on delivery, due to the pre-installation of the Setup app.



C-Brace® medial support

Reference number 17KF100

Four different versions of the medial support required for the C-Brace® orthosis. To select the appropriate version, please use the 17KF100A=DY-16 medial support dummy.

Selecting and ordering

The medial support can be used on both sides. The version information refers to the use of the medial support on the right side. For use on the left side, the offset is the other way around.



Technical data

| Article number | Version | Bar width | Side | for |
|----------------|---------------------|-----------|------------|--------|
| 17KF100=16-1-T | Straight | 16 mm | both sides | adults |
| 17KF100=16-2-T | Bottom contoured | 16 mm | both sides | adults |
| 17KF100=16-3-T | Top contoured | 16 mm | both sides | adults |
| 17KF100=16-4-T | Bilateral contoured | 16 mm | both sides | adults |



C-Brace® medial support dummy set

Reference number 17KF100A

Dummy set for choosing the appropriate version of the 17KF100 C-Brace® medial support.

Technical data

Article number

17KF100A=DY-16



Unilateral C-Brace® ankle joint

Reference number 17AO100

The 17AO100 unilateral ankle joint is a multifunction system ankle joint with a dorsiflexion effect. It is approved only in combination with the C-Brace®.



Technical data

| Article number | Bar width | Max. body weight |
|----------------|-----------|------------------|
| 17AO100=22-T | 22 mm | 110 kg |

- Lamination bar and foot stirrup are included in scope of delivery.



Unilateral system ankle joint

Reference number 17LA3N

The 17LA3N unilateral ankle joint is a multifunction system ankle joint with a dorsiflexion effect.

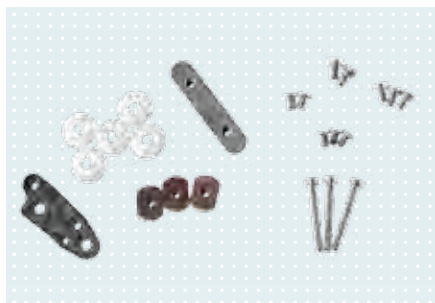


Technical data

| Article number | System width | Max. body weight | Material | Quantity unit |
|----------------|--------------|--|----------|---------------|
| 17LA3N=16-T | 16 mm | 85 kg (bilateral) | Titanium | Piece |
| 17LA3N=20-T | 20 mm | 55 kg (unilateral) / 110 kg (bilateral) | Titanium | Piece |

- Lamination bar and foot stirrup are not included in scope of delivery! Please order separately.

Spare parts for 17KO1000=0_B



Mounting set for C-Brace®

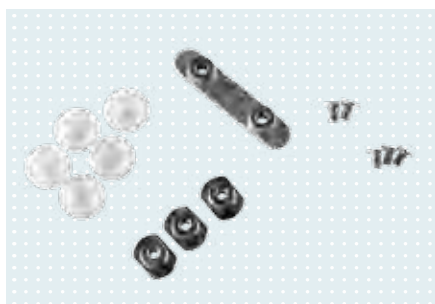
Reference number 17KO1A=*-Set-1

Mounting set for fabrication of a C-Brace® interim orthosis with loaner joint unit.

Technical data

| Article number | Side |
|----------------|-----------|
| 17KO1A=L-SET-1 | left (L) |
| 17KO1A=R-SET-1 | right (R) |

- All mounting components required to fabricate a C-Brace® orthotronic mobility system are already included in the scope of delivery of the 17KO1* C-Brace® joint unit.



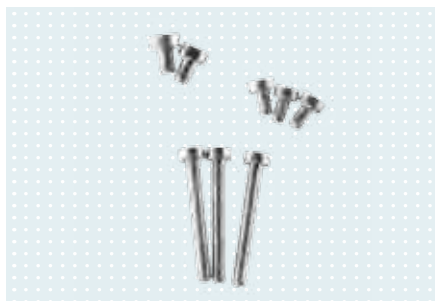
Fabrication set for C-Brace®

Reference number 17KO1A=SET-2

Positioning and connection elements for subsequent attachment of the C-Brace® joint unit.

Technical data

| Article number |
|----------------|
| 17KO1A=SET-2 |



Screw set for C-Brace® joint connection

Reference number 17KO1A=Set-1

Mounting screws for connection of the C-Brace® joint unit

Technical data

| Article number |
|----------------|
| 17KO1A=SET-1 |



Correction adapter set for C-Brace®

Reference number 17KO1A=SET

Sliding adapter for interim orthoses (optional)

Technical data

| Article number |
|----------------|
| 17KO1A=SET |

- i** **Information for specialist dealers 17KO1A=SET**
- For use with the 17B44 orthotic knee joint

Accessory for 17K01000=0_B



C-Brace[®] fabrication dummy

Reference number 799A1

Fabrication dummy for the correct positioning of the 17K01 C-Brace[®] joint unit.

Technical data**Article number**

799A1



Positioning template for C-Brace[®] fabrication dummy

Reference number 799Y17

Positioning template for the C-Brace[®] joint unit

Technical data**Article number**

799Y17



Battery charger

Reference number 4E50-2

For the C-Brace[®] orthotronic mobility system, the C-Leg knee joint and the Meridium prosthetic foot.

Technical data**Article number**

4E50-2



Power supply unit

Reference number 757L16-4

Power supply for electronic prosthetic components and orthoses of Ottobock. EU and US adapter are included in the scope of delivery, additional adapters can be ordered separately.

Technical data**Article number**

757L16-4



Diagnostic trial orthosis for C-Brace®

Reference number 17KT1

The diagnostic trial orthosis allows you to test the treatment of a patient with the C-Brace® for function and patient acceptance in advance.

Technical data

| Article number | Side | Max. body weight | for |
|----------------|-----------|------------------|--|
| 17KT1=L-S | left (L) | 125 kg | Patients with a body height of between 1.50 m and 2.00 m |
| 17KT1=R-S | right (R) | 125 kg | Patients with a body height of between 1.50 m and 2.00 m |

- The DTO is a loaner unit (17KT1=*-S). Please contact your local contact person if you would like to purchase a DTO (17KT1=*).

Fitting information

Ottobock recommends briefly testing the DTO for no more than one hour. The attending O&P professional is responsible for making a concrete evaluation. However, the DTO should only be worn under the O&P professional's supervision. The DTO is not to be handed over to the user.



C-Brace® joint unit

Reference number 17KO1

The C-Brace® joint unit contains a 3D sensor in the joint axis, which measures the current position of the joint every 0.01 seconds. A microprocessor receives and processes the sensor signals and controls walking with the C-Brace® in real time.

Technical data

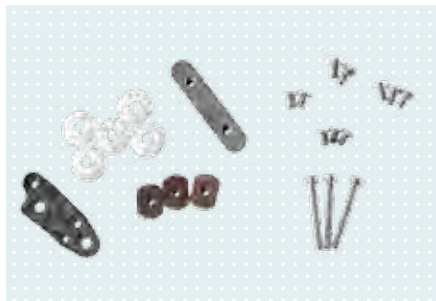
| Article number | Side | Max. body weight |
|----------------|-----------|------------------|
| 17KO1=L-S | left (L) | 125 kg |
| 17KO1=R-S | right (R) | 125 kg |

- These are loaner joints (17KO1=*-S) that can be obtained from the MASC (Manufacturer's After-Sales Service Center). If you want to purchase a joint, please use article number 17KO1=*.

Information material

| | |
|--------------------|--|
| 646D1300=EN_INT | C-Brace® information for practitioners |
| 646H8=EN_INT | C-Brace® user information |
| 646D1390=EN_MASTER | C-Brace® service FAQ (external) |
| 646D1325=EN_MASTER | C-Brace® service pass |

Spare parts for 17KO1



Mounting set for C-Brace®

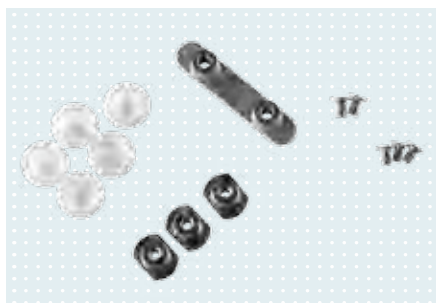
Reference number 17KO1A=*-Set-1

Mounting set for fabrication of a C-Brace® interim orthosis with loaner joint unit.

Technical data

| Article number | Side |
|----------------|-----------|
| 17KO1A=L-SET-1 | left (L) |
| 17KO1A=R-SET-1 | right (R) |

- All mounting components required to fabricate a C-Brace® orthotronic mobility system are already included in the scope of delivery of the 17KO1* C-Brace® joint unit.



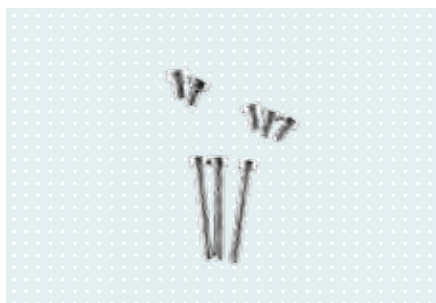
Fabrication set for C-Brace®

Reference number 17KO1A=SET-2

Positioning and connection elements for subsequent attachment of the C-Brace® joint unit.

Technical data

| Article number |
|----------------|
| 17KO1A=SET-2 |



Screw set for C-Brace® joint connection

Reference number 17KO1A=Set-1

Mounting screws for connection of the C-Brace® joint unit

Technical data

| Article number |
|----------------|
| 17KO1A=SET-1 |



Correction adapter set for C-Brace®

Reference number 17KO1A=SET

Sliding adapter for trial orthoses (optional)

Technical data

| Article number |
|----------------|
| 17KO1A=SET |



Information for specialist dealers 17KO1A=SET

- For use with the 17B44 orthotic knee joint

“SSCO” – Stance and Swing Phase Control Orthosis – C-Brace® order form

| Customer | | Shipping address (if different from customer address) | |
|--------------------|----------------------|---|----------------------|
| Customer no. | <input type="text"/> | Customer no. | <input type="text"/> |
| Company | <input type="text"/> | Company | <input type="text"/> |
| Street | <input type="text"/> | Street | <input type="text"/> |
| Postal code / city | <input type="text"/> | Postal code / city | <input type="text"/> |
| O&P professional | <input type="text"/> | Com. | <input type="text"/> |

Initial orthotic fitting with C-Brace®

Follow-up fitting

Previously fitted with

17B300=R C-Brace®
Serial number

17KO1=R C-Brace®
Serial number

17B300=L C-Brace®
Serial number

17KO1=L C-Brace®
Serial number

Fitting after trial fitting with loaner joints

Orthosis user

Weight kg

Affected side left right bilateral*

Height cm

* If bilateral, please fill out one order sheet each for the right and the left leg!

Medial support (selection required)

| Art. no. | Description |
|---|--|
| <input type="checkbox"/> 17KF100=16-1-T | Proximal and distal straight (R and L) |
| <input type="checkbox"/> 17KF100=16-2-T | Proximal straight, distal angled (L) |
| <input type="checkbox"/> 17KF100=16-3-T | Proximal straight, distal angled (R) |
| <input type="checkbox"/> 17KF100=16-4-T | Proximal and distal angled (R and L) |

• **Note:** Delivered with two 17LS3=16-T lamination bars invoiced separately.

Warranty option

| Art. no. | Description |
|-------------------------------------|------------------------------------|
| <input type="checkbox"/> SP-17KO1=6 | Extension of warranty to six years |

• **Note:** We offer the option of extending the warranty to six years. This makes it even easier for you to keep track of the costs incurred and minimises the effort on your part. You can take advantage of this option up to 36 months after the delivery date.

Subject to the general business terms and conditions of Ottobock SE & Co. KGaA. Errors and price changes reserved.

Ankle joint (selection required)

none (fitting with custom spring – < 125 kg)

Unilateral (one joint)

17AO100=22-T (up to 110 kg)
.....
 17LA3N=20-T (up to 55 kg)*
.....

Bilateral (two joints)

17LA3N=16-T (< 85 kg)*
.....
 17LA3N=20-T (< 110 kg)*
.....

* Delivered with foot stirrup and lamination bars invoiced separately.

Tablet

| Qty | Art. no. | Description |
|-----|-----------|----------------------------------|
| | 570A16=V1 | Samsung Galaxy (incl. setup app) |

Desired shipping date

.....
(generally delivered one to two working days after shipping)

Date City Signature

“SSCO” – Stance and Swing Phase Control Orthosis – C-Brace® iFab order form

| Customer | | Shipping address (if different from customer address) | |
|------------------|----------------------|---|----------------------|
| Customer no. | <input type="text"/> | Customer no. | <input type="text"/> |
| Company | <input type="text"/> | Company | <input type="text"/> |
| Street | <input type="text"/> | Street | <input type="text"/> |
| Postal code/city | <input type="text"/> | Postal code/city | <input type="text"/> |
| Orthotist | <input type="text"/> | Com. | <input type="text"/> |

Initial orthotic fitting with C-Brace®

Follow-up fitting

Previously treated with

17B300=R C-Brace®
Serial number

17KO1=R C-Brace®
Serial number

17B300=L C-Brace®
Serial number

17KO1=L C-Brace®
Serial number

Treatment after trial fitting with loaner joints

Orthosis user

Weight kg

Height cm

Affected side Left Right Bilateral*

* If bilateral, please fill in one order form each for the right and the left leg!

Medial support (selection required)

| Art. no. | Description |
|---|--|
| <input type="checkbox"/> 17KF100=16-1-T | Proximal and distal straight (R and L) |
| <input type="checkbox"/> 17KF100=16-2-T | Proximal straight, distal angled (L) |
| <input type="checkbox"/> 17KF100=16-3-T | Proximal straight, distal angled (R) |
| <input type="checkbox"/> 17KF100=16-4-T | Proximal and distal angled (R and L) |

• Note: Delivered with two 17LS3=16-T lamination bars invoiced separately.

Orthotic ankle joint (selection required)

None (device with custom spring – < 125 kg)

Unilateral (one joint)

17AO100=22-T (up to 110 kg)

17LA3N=20-T (up to 55 kg)*

Bilateral (two joints)

17LA3N=16-T (< 85 kg)*

17LA3N=20-T (< 110 kg)*

* Delivered with foot stirrup and lamination bars invoiced separately.

Warranty option

| Art. no. | Description |
|-------------------------------------|------------------------------------|
| <input type="checkbox"/> SP-17KO1=6 | Extension of warranty to six years |

• Note: We offer the option of extending the warranty to six years. This makes it even easier for you to keep track of the costs incurred and minimises the effort on your part. You can take advantage of this option up to 36 months after the delivery date.

Tablet

| Quantity | Art. no. | Description |
|----------|-----------|----------------------------------|
| | 570A16=V1 | Samsung Galaxy (incl. setup app) |

Desired shipping date

(generally delivered one to two working days after shipping)

Subject to the general business terms and conditions of Ottobock SE & Co. KGaA. Errors and price changes reserved.

Ordering options

- IP3141=* mill foam model**, the following options may also apply¹
 - IP8010=1 milling job (convert .cpxp to .stl)
 - IP8010=2 conversion
 - IP3180=1 glue metal cores in place
 - IP3180=3 square box spanner for alignment axis
- SF28=T4 thermoplastic test orthosis (to check the fit and static alignment)**
- SF28=M4 plaster model of the thermoplastic test orthosis**
- SF28K=L/R-KAFO-4 prepreg frame (incl. hook-and-loop pocket, unfinished carbon fibre look)²**
- SF28=F2 fabrication – padding and closures³**
- SF28=C1 surface design**

1 | Sub-options deviate as specified

2 | Please mark the position, size and thickness of the hook-and-loop pockets

3 | If the “Fabrication” ordering option is selected, straps and padding are included as specified

Padding dummy

- Prepare the orthosis directly on the cast, **without** allowing for any padding distance
- The cast is shaped without padding distance. Please allow a padding distance for the:

Thigh ofmm

Lower leg ofmm

Foot ofmm

Closures

If the “Fabrication” ordering option is selected, straps and padding are included as specified. Otherwise only closure pockets are considered.

| | |
|--|--|
| Thigh strap(s) | Lower leg strap(s) |
| Side for strap guide loop <input type="checkbox"/> Medial <input type="checkbox"/> Lateral | Side for strap guide loop <input type="checkbox"/> Medial <input type="checkbox"/> Lateral |
| Strap width <input type="checkbox"/> 40 mm <input type="checkbox"/> 50 mm | Strap width <input type="checkbox"/> 40 mm <input type="checkbox"/> 50 mm |
| Strap material | |
| <input type="checkbox"/> 21Y75N hook-and-loop closure, carbon fibre look | <input type="checkbox"/> 21Y78 hook-and-loop closure with weld seams, black |

i A carbon anterior tibial shell must be provided if the lower leg frame is in the posterior position.

Padding

| Thigh and lower leg | Foot |
|---|--|
| <input type="checkbox"/> 623F109=* ComforTex soft, 4 mm | <input type="checkbox"/> 617S90=2 Dino foam, black/white, 2 mm |
| <input type="checkbox"/> 623F110=* ComforTex smooth, 4 mm | <input type="checkbox"/> 617S3=W2 Pedilin, white, 2 mm |
| <input type="checkbox"/> 623F112=* ComforTex grippy, 4 mm | <input type="checkbox"/> 617S3=W3 Pedilin, white, 3 mm |
| <input type="checkbox"/> 623F62=* ComforTex air, 3 mm | |

Sole

| | Rollover without resistance | Dynamic | Spring stiffness | Stiff | | |
|--------------------------|---------------------------------|----------------------------|----------------------------|----------------------------|--------------------------------|--------------------------------|
| Forefoot characteristics | <input type="checkbox"/> 1 Soft | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> Stiff |
| Heel | <input type="checkbox"/> 1 Soft | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 5 | <input type="checkbox"/> Stiff | |

Surface treatment

- Unfinished carbon look (standard)**
 - SF28=C1 finished glossy carbon look***
- *surcharge applicable

Date City Signature

Patient selection aid for the C-Brace®

The selection aid helps to determine whether a patient is suitable for a C-Brace®. However, this document should be considered only an aid. For the final decision, please fit the patient with a diagnostic trial orthosis (DTO).

Cognitive requirements

The patient must be capable of ensuring the proper handling, care and use of the orthosis (e.g. hearing acoustic signals).

Functional deficit

Neuromuscular instability of the knee joint in the sagittal plane

Diagnosis (by the physician):

.....

Exclusion criteria

If any of the following apply to your patient, he or she cannot be fitted with a C-Brace® at this time:

.....

- Swing phase initiation from a standing position is not possible**

.....
 - Weight over 125 kg**

.....
 - Severe spasticity**

.....
 - Leg shortened more than 15 cm**

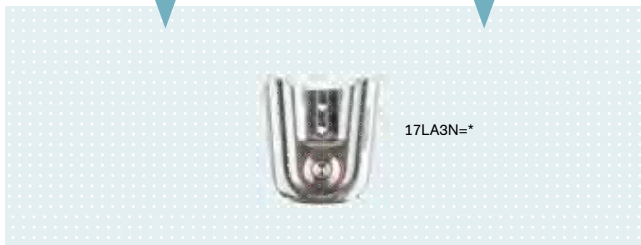
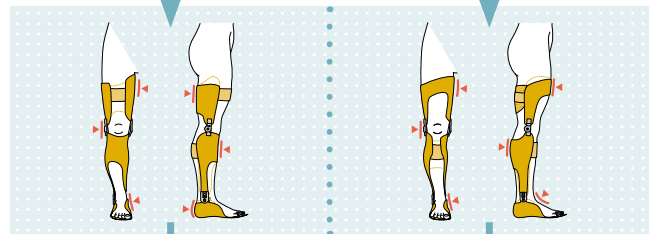
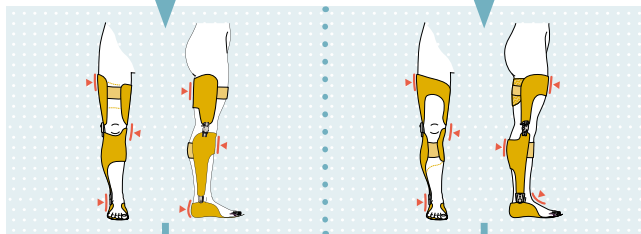
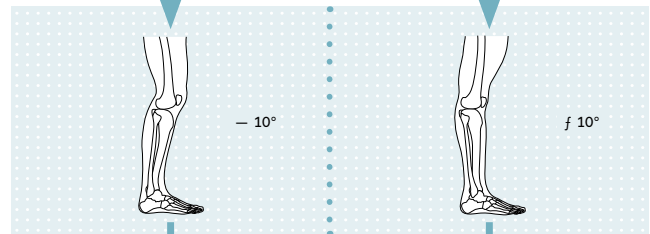
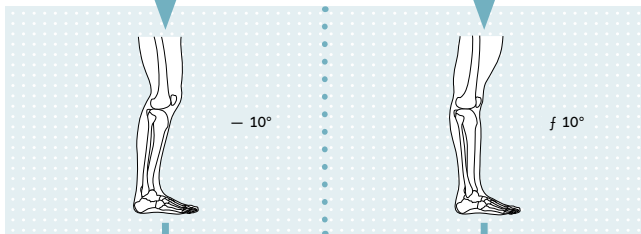
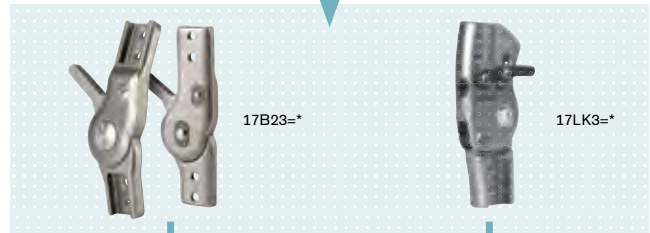
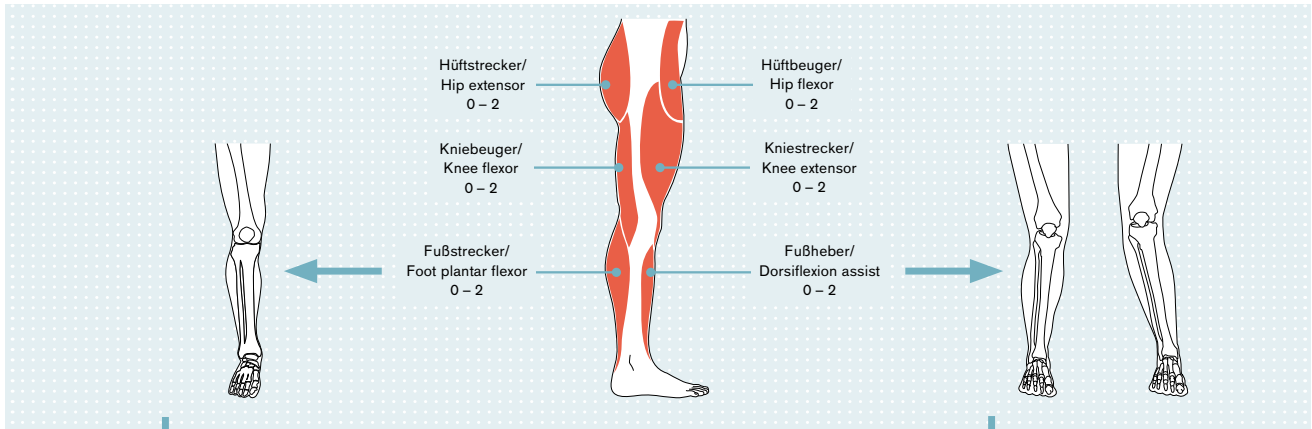
.....
 - Knee and hip flexion contracture more than 10°**

.....
 - Insufficient neuromuscular trunk stability for the trial phase**

.....
 - Diseases that preclude the use of an orthosis (e.g. oedema, extensive skin irritation)**

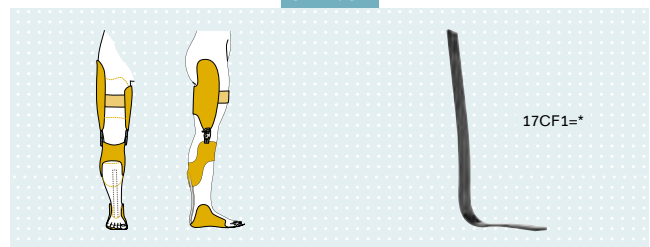
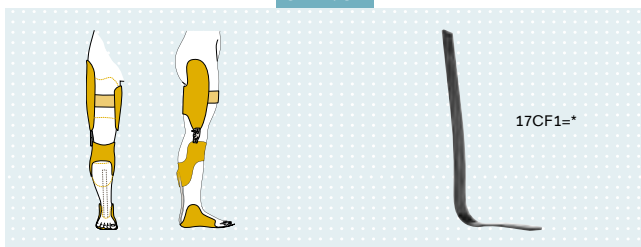
.....
 - Orthoprosthesis**

.....
-

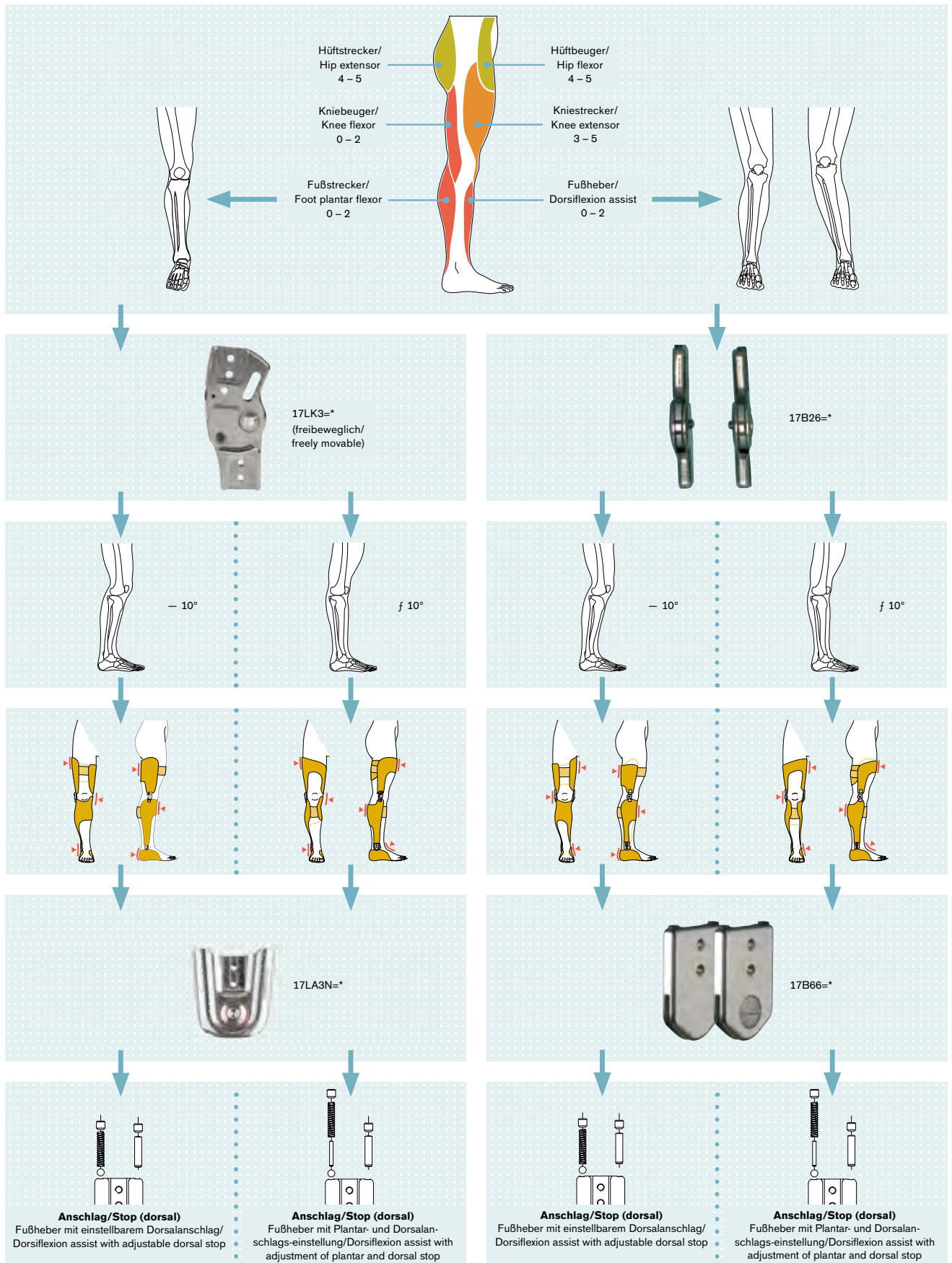


ODER/OR

ODER/OR



Selection tool





Knee joint bar for children

Reference number 17K32

Free motion knee joint bar

Knee joint extension stop can be adjusted by filing, flat bar profile, no posterior placement



Technical data

| Article number | Upper/lower bar length | Bar width | Joint bar thickness | Joint head Ø | Material | Quantity unit |
|----------------|------------------------|-----------|---------------------|--------------|-----------------|---------------|
| 17K32=6 | 220 / 250 mm | 12 mm | 3 mm | 16 mm | Stainless steel | Pair |
| 17K32=5 | 300 / 320 mm | 14 mm | 3 mm | 18 mm | Stainless steel | Pair |
| 17K32=4 | 410 / 390 mm | 16 mm | 3 mm | 20 mm | Stainless steel | Pair |

Information material

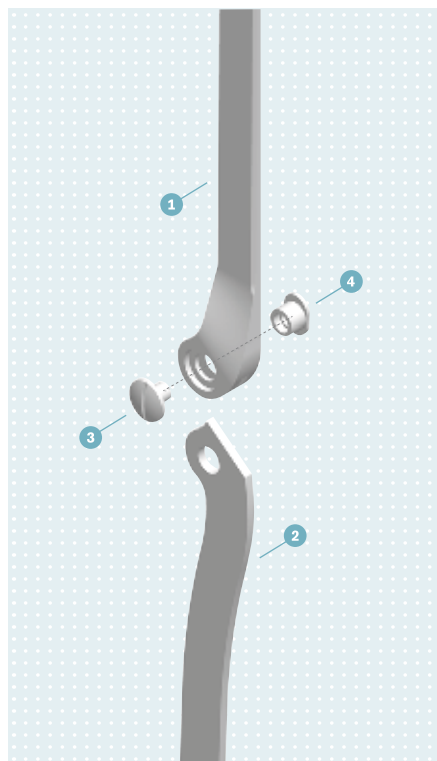
| | |
|-------------------|--|
| 646F596=EN_MASTER | Knee joints overview |
| 647G2 | Instructions for use – system/leg bars |



Practical recommendation 17K32

- On worn joints, the tolerance can be reduced with the repair bolts. A suitable reamer is usually used for adaptation.
- The following shoulder screws can be used with the 17K29/32/33/34/42 joint bars for children: 501A1=12x6xM4

Spare parts for 17K32



(1) Knee joint bar, upper section

Reference number 17X8

Technical data

| Article number | Spare part for | Side | Material | Quantity unit |
|----------------|----------------|-----------|-----------------|---------------|
| 17X8=L4 | 17K32=4 | left (L) | Stainless steel | Piece |
| 17X8=R4 | 17K32=4 | right (R) | Stainless steel | Piece |
| 17X8=L5 | 17K32=5 | left (L) | Stainless steel | Piece |
| 17X8=R5 | 17K32=5 | right (R) | Stainless steel | Piece |
| 17X8=L6 | 17K32=6 | left (L) | Stainless steel | Piece |
| 17X8=R6 | 17K32=6 | right (R) | Stainless steel | Piece |

(2) Knee joint bar, lower section

Reference number 17U8

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------|-----------------|---------------|
| 17U8=4 | 17K32=4 | Stainless steel | Piece |
| 17U8=5 | 17K32=5 | Stainless steel | Piece |
| 17U8=6 | 17K32=6 | Stainless steel | Piece |

(3) Slotted truss head screw

Reference number 501S32

Technical data

| Article number | Spare part for | Head Ø | Length | Thread | For system width | Material | Quantity unit |
|------------------|--------------------|--------|--------|--------|------------------|-----------------|---------------|
| 501S32=M4X10X9.5 | 17K32=5 17K32=6 | 10 mm | 9.5 mm | M4 | 16 mm | Stainless steel | Piece |
| 501S32=M6X14X10 | 17K32=4 | 14 mm | 10 mm | M6 | 20/16 mm | Stainless steel | Piece |

(4) Bearing nut, hardened

Reference number 17Y93

Technical data

| Article number | Spare part for | Insertion length | Profile length | Shank length | Thread | Shoulder Ø | Quantity unit |
|------------------|--------------------|------------------|----------------|--------------|--------|------------|---------------|
| 17Y93=6X6.7XM4 | 17K32=5 17K32=6 | 5.45 mm | 12 mm | 6.7 mm | M4 | 6 mm | Piece |
| 17Y93=6.5X6.7XM4 | 17K32=5 17K32=6 | 5.45 mm | 12 mm | 6.7 mm | M4 | 6.5 mm | Piece |
| 17Y93=9X7.2XM6 | 17K32=4 | 6 mm | 14 mm | 7.2 mm | M6 | 9 mm | Piece |
| 17Y93=9.5X7.2XM6 | 17K32=4 | 6 mm | 14 mm | 7.2 mm | M6 | 9.5 mm | Piece |



Knee joint bar for children

Reference number 17K33

Free motion knee joint bar

Joints not filed out, joint centre 15 mm to the posterior



Technical data

| Article number | Upper/lower bar length | Bar width | Joint bar thickness | Joint head Ø | Material | Quantity unit |
|----------------|------------------------|-----------|---------------------|--------------|-----------------|---------------|
| 17K33=6 | 220 / 250 mm | 12 mm | 3 mm | 16 mm | Stainless steel | Pair |
| 17K33=5 | 220 / 250 mm | 14 mm | 3 mm | 18 mm | Stainless steel | Pair |
| 17K33=4 | 220 / 250 mm | 16 mm | 3 mm | 20 mm | Stainless steel | Pair |

Information material

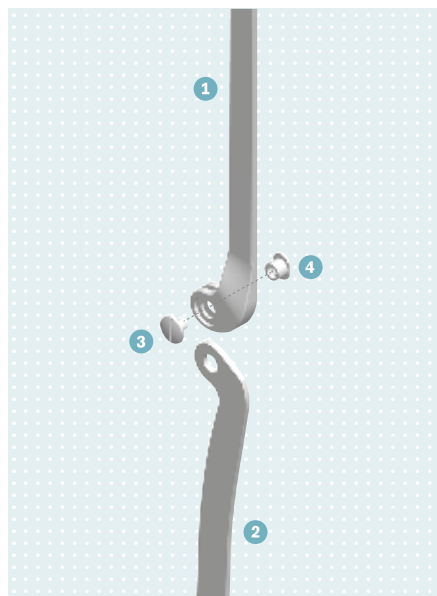
| | |
|-------------------|--|
| 646F596=EN_MASTER | Knee joints overview |
| 647G2 | Instructions for use – system/leg bars |



Practical recommendation 17K33

- On worn joints, the tolerance can be reduced with the repair bolts. A suitable reamer is usually used for adaptation.
- The following shoulder screws can be used with the 17K29/32/33/34/42 joint bars for children: 501A1=12x6xM4

Spare parts for 17K33



(1) Knee joint bar, upper section

Reference number 17X9

Technical data

| Article number | Spare part for | Side | Material | Quantity unit |
|----------------|----------------|-----------|-----------------|---------------|
| 17X9=L4 | 17K33=4 | left (L) | Stainless steel | Piece |
| 17X9=R4 | 17K33=4 | right (R) | Stainless steel | Piece |
| 17X9=L5 | 17K33=5 | left (L) | Stainless steel | Piece |
| 17X9=R5 | 17K33=5 | right (R) | Stainless steel | Piece |
| 17X9=L6 | 17K33=6 | left (L) | Stainless steel | Piece |
| 17X9=R6 | 17K33=6 | right (R) | Stainless steel | Piece |

(2) Slotted truss head screw

Reference number 501S32

Technical data

| Article number | Spare part for | Head Ø | Length | Thread | Material | Quantity unit |
|------------------|--------------------|--------|--------|--------|-----------------|---------------|
| 501S32=M4X10X9.5 | 17K33=5 17K33=6 | 10 mm | 9.5 mm | M4 | Stainless steel | Piece |
| 501S32=M6X14X10 | 17K33=4 | 14 mm | 10 mm | M6 | Stainless steel | Piece |

(3) Bearing nut, hardened

Reference number 17Y93

Technical data

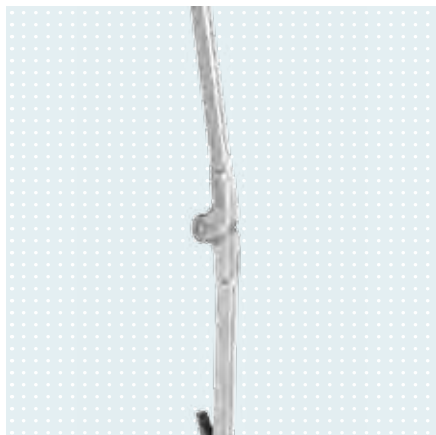
| Article number | Spare part for | Insertion length | Profile length | Shank length | Thread | Shoulder Ø | Quantity unit |
|------------------|--------------------|------------------|----------------|--------------|--------|------------|---------------|
| 17Y93=6.5X6.7XM4 | 17K33=5 17K33=6 | 5.45 mm | 12 mm | 6.7 mm | M4 | 6.5 mm | Piece |
| 17Y93=7X6.7XM4 | 17K33=5 17K33=6 | 5.45 mm | 12 mm | 6.7 mm | M4 | 7 mm | Piece |
| 17Y93=9X7.2XM6 | 17K33=4 | 6 mm | 14 mm | 7.2 mm | M6 | 9 mm | Piece |
| 17Y93=10X7.2XM6 | 17K33=4 | 6 mm | 14 mm | 7.2 mm | M6 | 10 mm | Piece |

(4) Knee joint bar, lower section

Reference number 17U9

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------|-----------------|---------------|
| 17U9=5 | 17K33=5 | Stainless steel | Piece |
| 17U9=4 | 17K33=4 | Stainless steel | Piece |



Free motion knee joint, posterior offset

Reference number 17KF10

Adjustable extension stop
Posterior placement of 19 mm



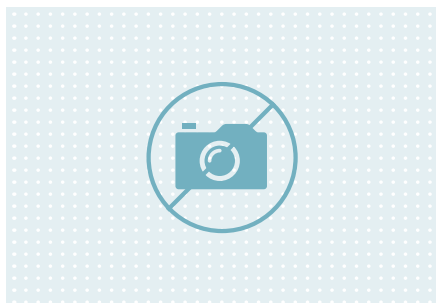
Technical data

| Article number | Upper/lower bar length | Bar width | Joint bar thickness | Version | Material | Quantity unit |
|----------------|------------------------|-----------|---------------------|----------|-----------------|---------------|
| 17KF10=16 | 390 / 570 mm | 16 mm | 5 mm | Straight | Stainless steel | Pair |
| 17KF10=16-A | 390 / 570 mm | 16 mm | 5 mm | Straight | Aluminium | Pair |

Information material

| | |
|-------------------|---|
| 646D1279=EN_INT | Conventional joint bar system information for practitioners |
| 646F596=EN_MASTER | Knee joints overview |
| 647G221 | 17KF10/17KL20/17KL40 instructions for use |

Spare parts for 17KF10



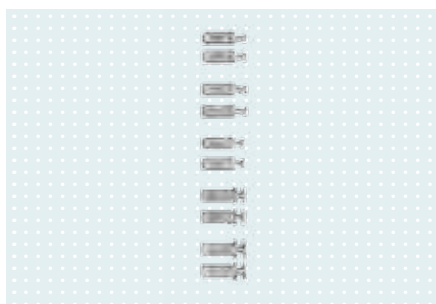
Service set

Reference number 17KS=11

Technical data

| Article number | Spare part for | Scope of delivery |
|----------------|--------------------------|--|
| 17KS=11 | 17KF10=16-A 17KF10=16 | Bearing nut Bushing Truss head screw with slot Red washer |

Accessory for 17KF10

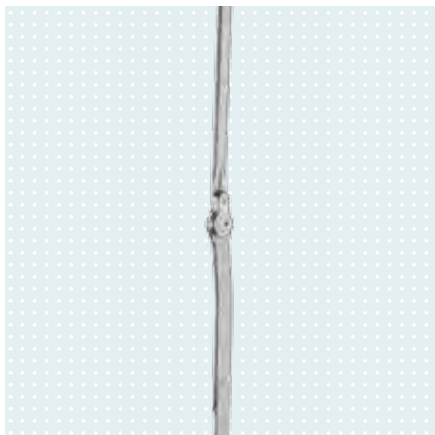


Alignment insert set

Reference number 743Y57

Technical data

| Article number | Accessories for |
|----------------|--------------------------|
| 743Y57 | 17KF10=16 17KF10=16-A |



Free motion knee joint

Reference number 17KF1

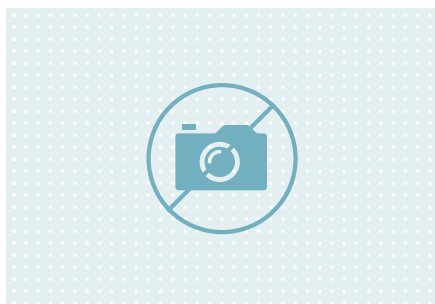
Technical data

| Article number | Upper/lower bar length | Bar width | Joint bar thickness | Bar material | Quantity unit |
|----------------|------------------------|-----------|---------------------|--------------|---------------|
| 17KF1=13-A | 300 / 560 mm | 13 mm | 5 mm | Aluminium | Pair |
| 17KF1=13-CS | 300 / 560 mm | 13 mm | 5 mm | Steel | Pair |
| 17KF1=16-A | 400 / 570 mm | 16 mm | 6,35 mm | Aluminium | Pair |
| 17KF1=16-CS | 400 / 570 mm | 16 mm | 5 mm | Steel | Pair |

Information material

| | |
|-----------------|---|
| 646D1279=EN_INT | Conventional joint bar system information for practitioners |
| 647G1334 | 17KF1 instructions for use |

Spare parts for 17KF1

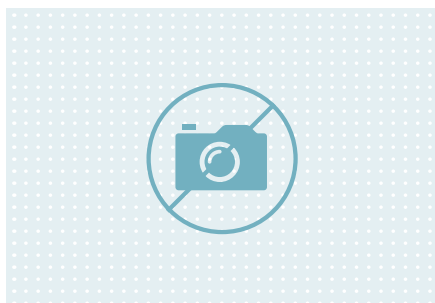


Service set

Reference number 17KS=18

Technical data

| Article number | Spare part for | Scope of delivery |
|----------------|----------------|---|
| 17KS=18 | 17KF1=13-A | Flat round disk with slot Red Washer Bearing nut Bushing Face plate |



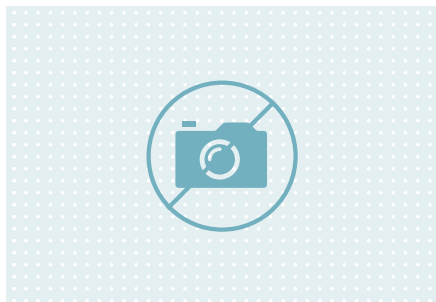
Service set

Reference number 17KHS=3

Service set for hip and knee joints

Technical data

| Article number | Spare part for | Scope of delivery |
|----------------|----------------------------|---|
| 17KHS=3 | 17KF1=13-CS 17KF1=15-CS | Bearing nut Bushing Flat round disk with slot Red washer Compression spring Truss head screw with slot Spring-loaded thrust piece |



Service set

Reference number 17KS=16

Technical data

| Article number | Spare part for | Scope of delivery |
|----------------|----------------|---|
| 17KS=16 | 17KF1=16-A | Flat round disk with slot Red washer Bearing nut Bushing Face plate |



Service set

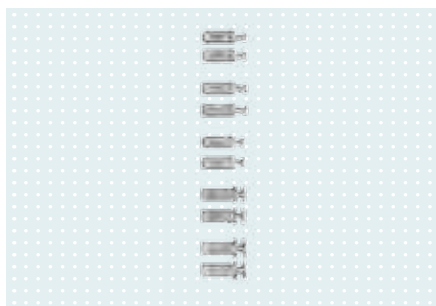
Reference number 17KHS=2

Service set for hip and knee joints

Technical data

| Article number | Spare part for | Scope of delivery |
|----------------|----------------|---|
| 17KHS=2 | 17KF1=16-CS | Bearing nut Bushing Flat round disk with slot Red washer Compression spring Truss head screw with slot Spring-loaded thrust piece |

Accessory for 17KF1

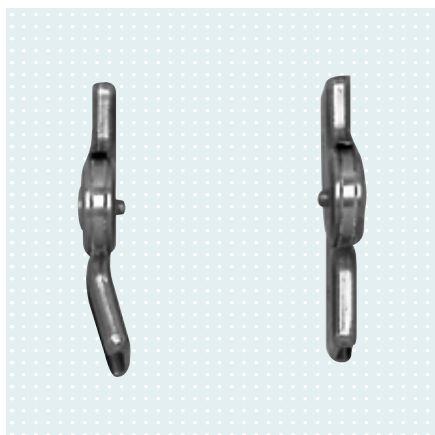


Alignment insert set

Reference number 743Y57

Technical data

| Article number | Accessories for |
|----------------|--|
| 743Y57 | 17KF1=13-A 17KF1=13-CS 17KF1=16-A 17KF1=16-CS |



System knee joint

Reference number 17B26

Medial joint has contoured bottom and straight top, straight lateral joint, free motion, with ball bearing, joint centre shifted 16 mm in posterior direction



Technical data

| Article number | Side | System width | Length from joint centre upper | Length from joint centre lower | Material | Quantity unit |
|----------------|-----------|--------------|--------------------------------|--------------------------------|-----------------|---------------|
| 17B26=L16 | left (L) | 16 mm | 33 mm | 38 mm | Stainless steel | Pair |
| 17B26=R16 | right (R) | 16 mm | 33 mm | 38 mm | Stainless steel | Pair |
| 17B26=L20 | left (L) | 20 mm | 33 mm | 38 mm | Stainless steel | Pair |
| 17B26=R20 | right (R) | 20 mm | 33 mm | 38 mm | Stainless steel | Pair |

Information material

| | |
|-------------------|--|
| 646F596=EN_MASTER | Knee joints overview |
| 646F464=ALL_INT | KAFO selection guide |
| 647G2 | Instructions for use – system/leg bars |



System knee joint

Reference number 17B47

Medial and lateral joint are straight, free motion, with ball bearing, joint centre shifted 16 mm in posterior direction



Technical data

| Article number | System width | Length from joint centre upper | Length from joint centre lower | Material | Quantity unit |
|----------------|--------------|--------------------------------|--------------------------------|-----------------|---------------|
| 17B47=16 | 16 mm | 33 mm | 38 mm | Stainless steel | Pair |
| 17B47=20 | 20 mm | 33 mm | 38 mm | Stainless steel | Pair |

Information material

| | |
|-------------------|--|
| 646F596=EN_MASTER | Knee joints overview |
| 647G2 | Instructions for use – system/leg bars |

KAFO/KO

Free-motion knee joints – System joints



System knee joint

Reference number 17B3

Medial joint has contoured bottom and straight top, straight lateral joint, free motion, with ball bearing, joint centre shifted 22 mm in posterior direction



Technical data

| Article number | Side | System width | Length from joint centre upper | Length from joint centre lower | Material | Quantity unit |
|----------------|-----------|--------------|--------------------------------|--------------------------------|-----------------|---------------|
| 17B3=L16 | left (L) | 16 mm | 33 mm | 38 mm | Stainless steel | Pair |
| 17B3=R16 | right (R) | 16 mm | 33 mm | 38 mm | Stainless steel | Pair |
| 17B3=L20 | left (L) | 20 mm | 33 mm | 38 mm | Stainless steel | Pair |
| 17B3=R20 | right (R) | 20 mm | 33 mm | 38 mm | Stainless steel | Pair |

Information material

| | |
|-------------------|--|
| 646F596=EN_MASTER | Knee joints overview |
| | Instructions for use – system/leg bars |



System knee joint

Reference number 17B43

Medial and lateral joint are straight, free motion, with ball bearing, joint centre shifted 22 mm in posterior direction



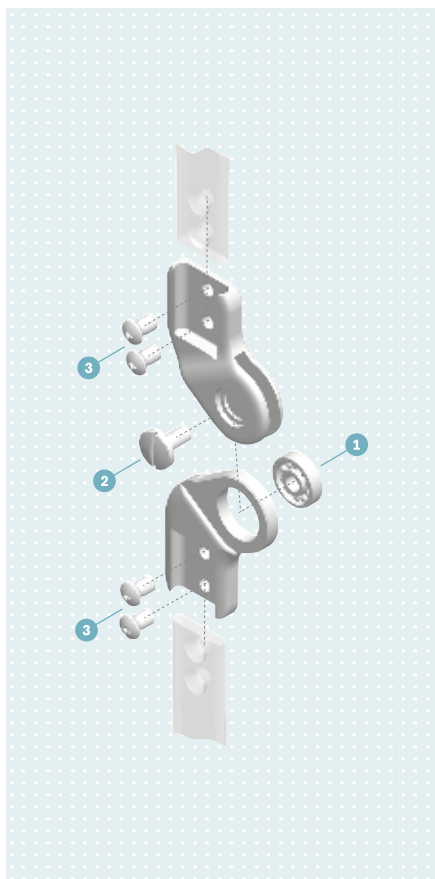
Technical data

| Article number | System width | Length from joint centre upper | Length from joint centre lower | Material | Quantity unit |
|----------------|--------------|--------------------------------|--------------------------------|-----------------|---------------|
| 17B43=16 | 16 mm | 33 mm | 38 mm | Stainless steel | Pair |
| 17B43=20 | 20 mm | 33 mm | 38 mm | Stainless steel | Pair |

Information material

| | |
|-------------------|--|
| 646F596=EN_MASTER | Knee joints overview |
| 647G2 | Instructions for use – system/leg bars |

Spare parts for 17B26, 17B47, 17B3, 17B43

**(1) Ball bearing**

Reference number 509K11

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 509K11=5X16X4 | Piece |

(2) Oval head screw, slotted and partially threaded

Reference number 501A6

Technical data

| Article number | Material | Quantity unit |
|----------------|-----------------|---------------|
| 501A6=4X5XM5 | Stainless steel | Piece |

(3) Phillips oval countersunk head screw

Reference number 501T7

Technical data

| Article number | Head Ø | Length | Material | Quantity unit |
|----------------|--------|--------|-----------------|---------------|
| 501T7=7.5X9XM5 | 7.5 mm | 9 mm | Stainless steel | Piece |

Accessory for 17B26, 17B47, 17B3, 17B43

**System lamination bar**

Reference number 17Y128

The system lamination bars are glued with Ottobock special adhesive.

Technical data

| Article number | System width | Length | Thickness | Material | Quantity unit |
|----------------|--------------|--------|-----------|-----------------|---------------|
| 17Y128=16X80 | 16 mm | 80 mm | 4 mm | Stainless steel | Piece |
| 17Y128=20X80 | 20 mm | 80 mm | 4 mm | Stainless steel | Piece |
| 17Y128=16X100 | 16 mm | 100 mm | 4 mm | Stainless steel | Piece |
| 17Y128=20X100 | 20 mm | 100 mm | 4 mm | Stainless steel | Piece |

- ⚠ Caution! The system lamination bars always have to be used in pairs in the leg orthosis. Unilateral use can cause the lamination bar to break due to overloading.



System lamination bar with contoured calf

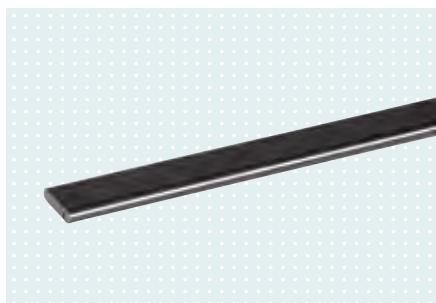
Reference number 17Y129

The system lamination bars are glued with Ottobock special adhesive.

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17Y129=L16 | left (L) | 16 mm | 100 mm | 4 mm | Piece |
| 17Y129=R16 | right (R) | 16 mm | 100 mm | 4 mm | Piece |
| 17Y129=L20 | left (L) | 20 mm | 100 mm | 4 mm | Piece |
| 17Y129=R20 | right (R) | 20 mm | 100 mm | 4 mm | Piece |

- ⚠ Caution! The system lamination bars always have to be used in pairs in the leg orthosis. Unilateral use can cause the lamination bar to break due to overloading.



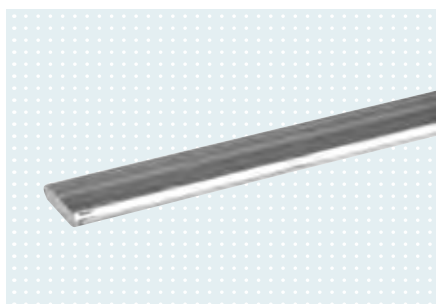
Stainless steel profile rod

Reference number 651P4

Suitable for fabricating system bars, with rounded edges, strength of approx. 800–950 N/mm², spot weldable

Technical data

| Article number | Length | Width | Thickness | Quantity unit |
|----------------|----------|-------|-----------|---------------|
| 651P4=16 | 2,000 mm | 16 mm | 4 mm | |
| 651P4=20 | 2,000 mm | 20 mm | 4 mm | |



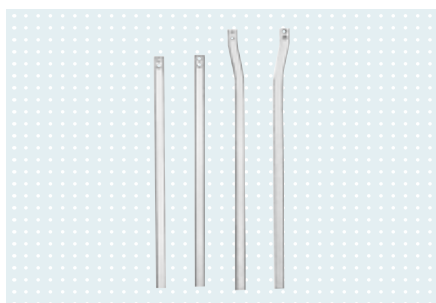
Light metal profile bar

Reference number 605P8

Suitable for fabricating system splints, with rounded edges, strength approx. 400 N/mm²

Technical data

| Article number | For system width | Length | Width | Thickness |
|----------------|------------------|----------|-------|-----------|
| 605P8=16 | 16 mm | 2,000 mm | 16 mm | 5 mm |
| 605P8=20 | 20 mm | 2,000 mm | 20 mm | 5 mm |



System side bar set

Reference number 17B38

Flat, consisting of two 17B4 and 17B4=T upper side bars and one 17B5 and 17B5=T lower side bar each for the left and right sides, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B38=16 | 16 mm | 4 mm | Set |
| 17B38=16-T | 16 mm | 4 mm | Set |
| 17B38=20 | 20 mm | 4 mm | Set |
| 17B38=20-T | 20 mm | 4 mm | Set |



System side bar set

Reference number 17B39

Consisting of two upper side bars and one left and one right lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B39=16 | 16 mm | 5 mm | Set |
| 17B39=20 | 20 mm | 5 mm | Set |



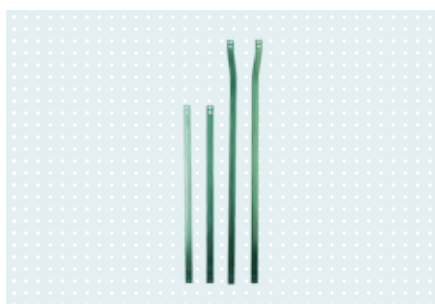
System side bar set

Reference number 17B85

Concave, consisting of two 17B88 upper side bars and one left and one right 17B89 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B85=16 | 16 mm | 5 mm | Set |
| 17B85=20 | 20 mm | 5 mm | Set |



System side bar set

Reference number 17B40

Overlength, flat, consisting of two 17B4 upper side bars and one left and one right 17B102 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B40=16 | 16 mm | 4 mm | Set |
| 17B40=20 | 20 mm | 4 mm | Set |



System side bar set, extra long

Reference number 17B41

Consisting of two 17B6 upper side bars and one left and one right 17B104 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B41=16 | 16 mm | 5 mm | Set |
| 17B41=20 | 20 mm | 5 mm | Set |



System side bar set

Reference number 17B84

Concave, consisting of two 17B86 upper side bars and one left and one right 17B87 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B84=16 | 16 mm | 4 mm | Set |
| 17B84=20 | 20 mm | 4 mm | Set |



System extension assist

Reference number 17Y32

with two rubber rings

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 17Y32 | Piece |



System extension assist

Reference number 17Y35

with two rubber rings

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 17Y35 | Piece |

Spare parts for 17Y32, 17Y35



Rubber ring

Reference number 18Z1

Service parts for 17Y32 and 17Y35

Technical data

| Article number | Outside Ø | Inner Ø |
|----------------|-----------|---------|
| 18Z1=20.8X14.5 | 20,8 mm | 14,5 mm |
| 18Z1=24.6X18.3 | 24,6 mm | 18,3 mm |



Rubber ring

Reference number 18Z2

Service parts for 17Y32 and 17Y35

Technical data

| Article number | Outside Ø | Inner Ø |
|----------------|-----------|---------|
| 18Z2=26.8X17.7 | 26,8 mm | 17,7 mm |
| 18Z2=21X12.9 | 21 mm | 12,9 mm |

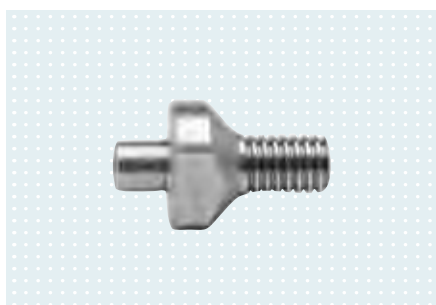


Flat head screw

Reference number 501S43

Technical data

| Article number |
|----------------|
| 501S43=M3X4 |



Special screw

Reference number 501S79

To attach the extension assist

Technical data

| Article number |
|--------------------|
| 501S79=M5X4.1X16.1 |
| 501S79=M5X5.1X17.1 |



Serrated lock washer

Reference number 507S11

Technical data

| Article number |
|----------------|
| 507S11=5.3 |



System knee joint

Reference number 17B46

Polycentric system knee joint
Contoured medial joint, straight lateral joint, double joints with gear drive and ball bearings



Technical data

| Article number | System width | Length from joint centre upper | Length from joint centre lower | Pivot point distance | Material | Quantity unit |
|----------------|--------------|--------------------------------|--------------------------------|----------------------|-----------------|---------------|
| 17B46=16 | 16 mm | 38 mm | 38 mm | 18 mm | Stainless steel | Pair |
| 17B46=20 | 20 mm | 38 mm | 38 mm | 18 mm | Stainless steel | Pair |

Information material

646F596=EN_MASTER Knee joints overview
647G2 Instructions for use – system/leg bars



System knee joint

Reference number 17B71

Polycentric system knee joint
Straight medial and lateral joints, polycentric with gear drive and ball bearings



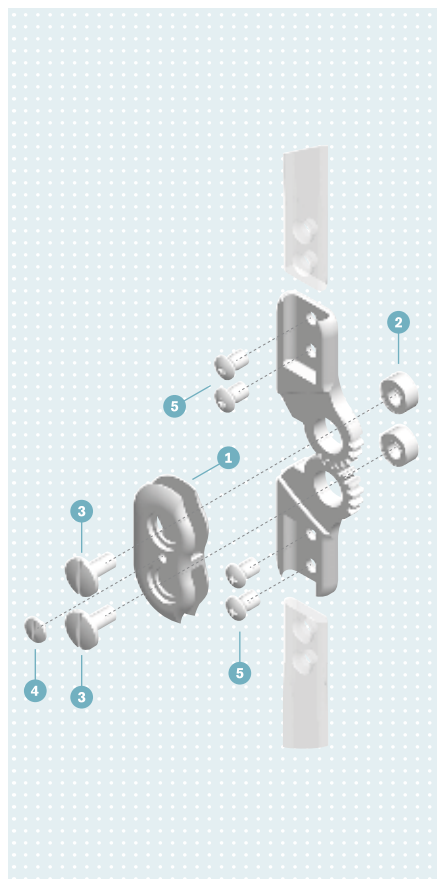
Technical data

| Article number | System width | Length from joint centre upper | Length from joint centre lower | Pivot point distance | Material | Quantity unit |
|----------------|--------------|--------------------------------|--------------------------------|----------------------|-----------------|---------------|
| 17B71=16 | 16 mm | 38 mm | 38 mm | 18 mm | Stainless steel | Pair |
| 17B71=20 | 20 mm | 38 mm | 38 mm | 18 mm | Stainless steel | Pair |

Information material

646F596=EN_MASTER Knee joints overview
647G2 Instructions for use – system/leg bars

Spare parts for 17B46, 17B71

**(1) Medial joint piece**

Reference number 7Y19

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 7Y19 | Piece |

(2) Ball bearing

Reference number 509K12

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 509K12 | Piece |

(3) Oval head screw, slotted and partially threaded

Reference number 501A6

Technical data

| Article number | Material | Quantity unit |
|----------------|-----------------|---------------|
| 501A6=5X5XM5 | Stainless steel | Piece |

(4) Slotted oval head screw (lock screw)

Reference number 501S22

Technical data

| Article number | Material | Quantity unit |
|----------------|-----------------|---------------|
| 501S22=8XM3.5 | Stainless steel | Piece |

(5) Phillips oval countersunk head screw

Reference number 501T7

Technical data

| Article number | Head Ø | Length | Material | Quantity unit |
|----------------|--------|--------|-----------------|---------------|
| 501T7=7.5X9XM5 | 7.5 mm | 9 mm | Stainless steel | Piece |

Accessory for 17B71, 17B71



System lamination bar

Reference number 17Y128

The system lamination bars are glued with Ottobock special adhesive.

Technical data

| Article number | System width | Length | Thickness | Material | Quantity unit |
|----------------|--------------|--------|-----------|-----------------|---------------|
| 17Y128=16X80 | 16 mm | 80 mm | 4 mm | Stainless steel | Piece |
| 17Y128=20X80 | 20 mm | 80 mm | 4 mm | Stainless steel | Piece |
| 17Y128=16X100 | 16 mm | 100 mm | 4 mm | Stainless steel | Piece |
| 17Y128=20X100 | 20 mm | 100 mm | 4 mm | Stainless steel | Piece |

- ⚠ Caution! The system lamination bars always have to be used in pairs in the leg orthosis. Unilateral use can cause the lamination bar to break due to overloading.



System lamination bar with contoured calf

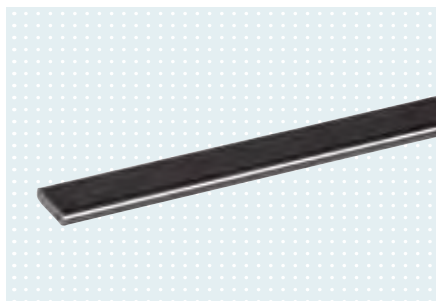
Reference number 17Y129

The system lamination bars are glued with Ottobock special adhesive.

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17Y129=L16 | left (L) | 16 mm | 100 mm | 4 mm | Piece |
| 17Y129=R16 | right (R) | 16 mm | 100 mm | 4 mm | Piece |
| 17Y129=L20 | left (L) | 20 mm | 100 mm | 4 mm | Piece |
| 17Y129=R20 | right (R) | 20 mm | 100 mm | 4 mm | Piece |

- ⚠ Caution! The system lamination bars always have to be used in pairs in the leg orthosis. Unilateral use can cause the lamination bar to break due to overloading.



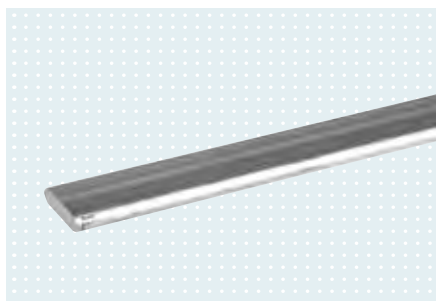
Stainless steel profile rod

Reference number 651P4

Suitable for fabricating system bars, with rounded edges, strength of approx. 800–950 N/mm², spot weldable

Technical data

| Article number | Length | Width | Thickness |
|----------------|----------|-------|-----------|
| 651P4=16 | 2,000 mm | 16 mm | 4 mm |
| 651P4=20 | 2,000 mm | 20 mm | 4 mm |



Light metal profile bar

Reference number 605P8

Suitable for fabricating system splints, with rounded edges, strength approx. 400 N/mm²

Technical data

| Article number | For system width | Length | Width | Thickness |
|----------------|------------------|----------|-------|-----------|
| 605P8=16 | 16 mm | 2,000 mm | 16 mm | 5 mm |
| 605P8=20 | 20 mm | 2,000 mm | 20 mm | 5 mm |



System side bar set

Reference number 17B38

flat, consisting of two 17B4 and 17B4=T upper side bars and one each, left and right, 17B5 and 17B5=T lower side bars, with 636W28 Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B38=16 | 16 mm | 4 mm | Set |
| 17B38=16-T | 16 mm | 4 mm | Set |
| 17B38=20 | 20 mm | 4 mm | Set |
| 17B38=20-T | 20 mm | 4 mm | Set |



System side bar set

Reference number 17B39

Consisting of two upper side bars and one left and one right lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B39=16 | 16 mm | 5 mm | Set |
| 17B39=20 | 20 mm | 5 mm | Set |



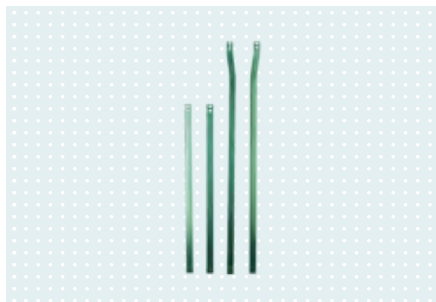
System side Bar set

Reference number 17B85

Concave, consisting of two 17B88 upper side bars and one left and one right 17B89 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B85=16 | 16 mm | 5 mm | Set |
| 17B85=20 | 20 mm | 5 mm | Set |



System side bar set

Reference number 17B40

Overlength, flat, consisting of two 17B4 upper side bars and one left and one right 17B102 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B40=16 | 16 mm | 4 mm | Set |
| 17B40=20 | 20 mm | 4 mm | Set |



System side bar set

Reference number 17B84

Concave, consisting of two 17B86 upper side bars and one left and one right 17B87 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B84=16 | 16 mm | 4 mm | Set |
| 17B84=20 | 20 mm | 4 mm | Set |



System side bar set, extra long

Reference number 17B41

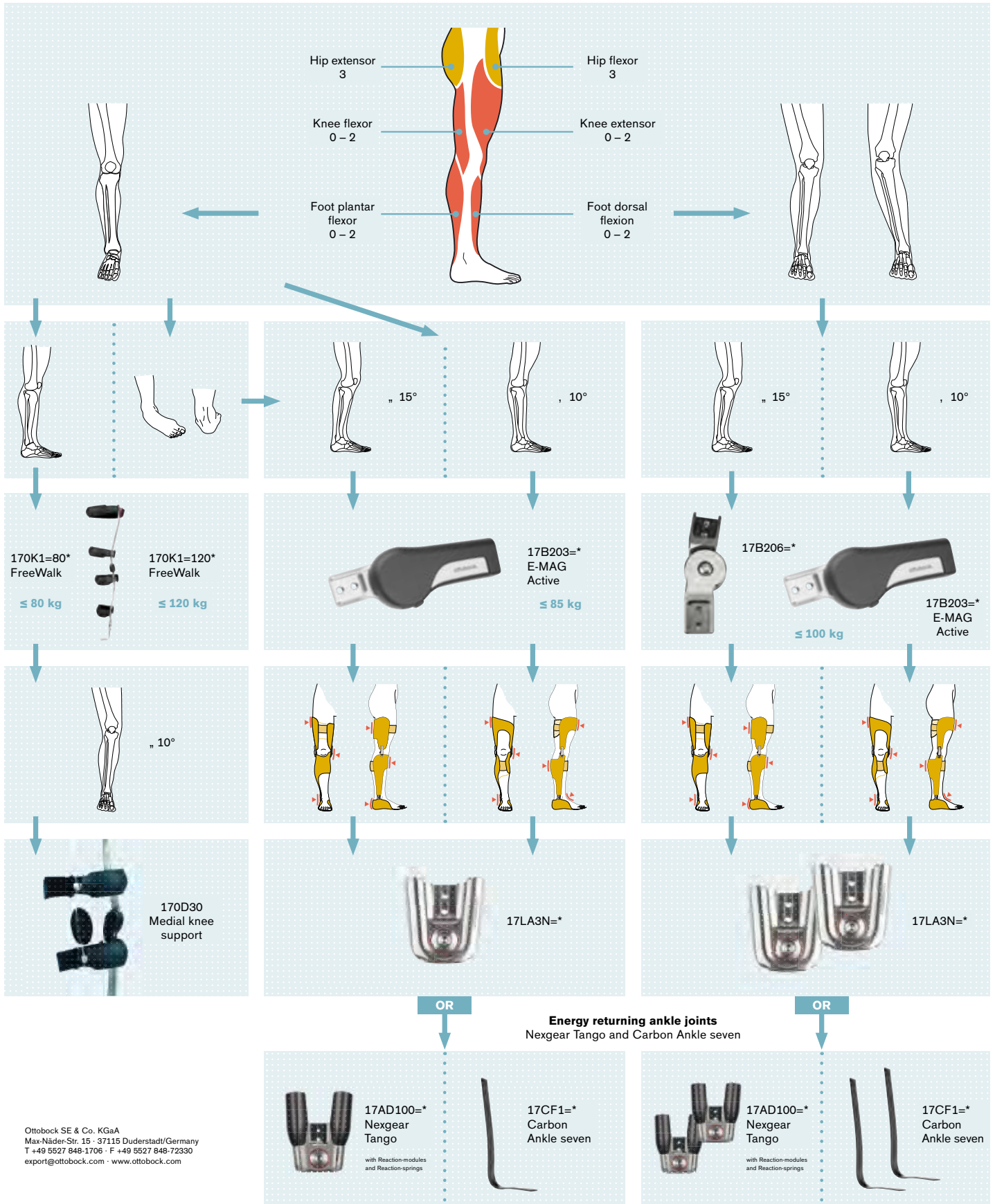
Consisting of two 17B6 upper side bars and one left and one right 17B104 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B41=16 | 16 mm | 5 mm | Set |
| 17B41=20 | 20 mm | 5 mm | Set |

KAFO/KO

“SCO” – Stance Control Orthoses – SCO selection tool



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FreeWalk orthotic system

Reference number 170K1

The FreeWalk permits a virtually natural gait as well as more safety and stability for patients with complete or partial paralysis of one leg.

The FreeWalk orthosis is pre-fabricated for the first fitting according to your specifications. The tool kit and datasheets are required to record the measurements needed for the fabrication of the orthosis.

Technical data

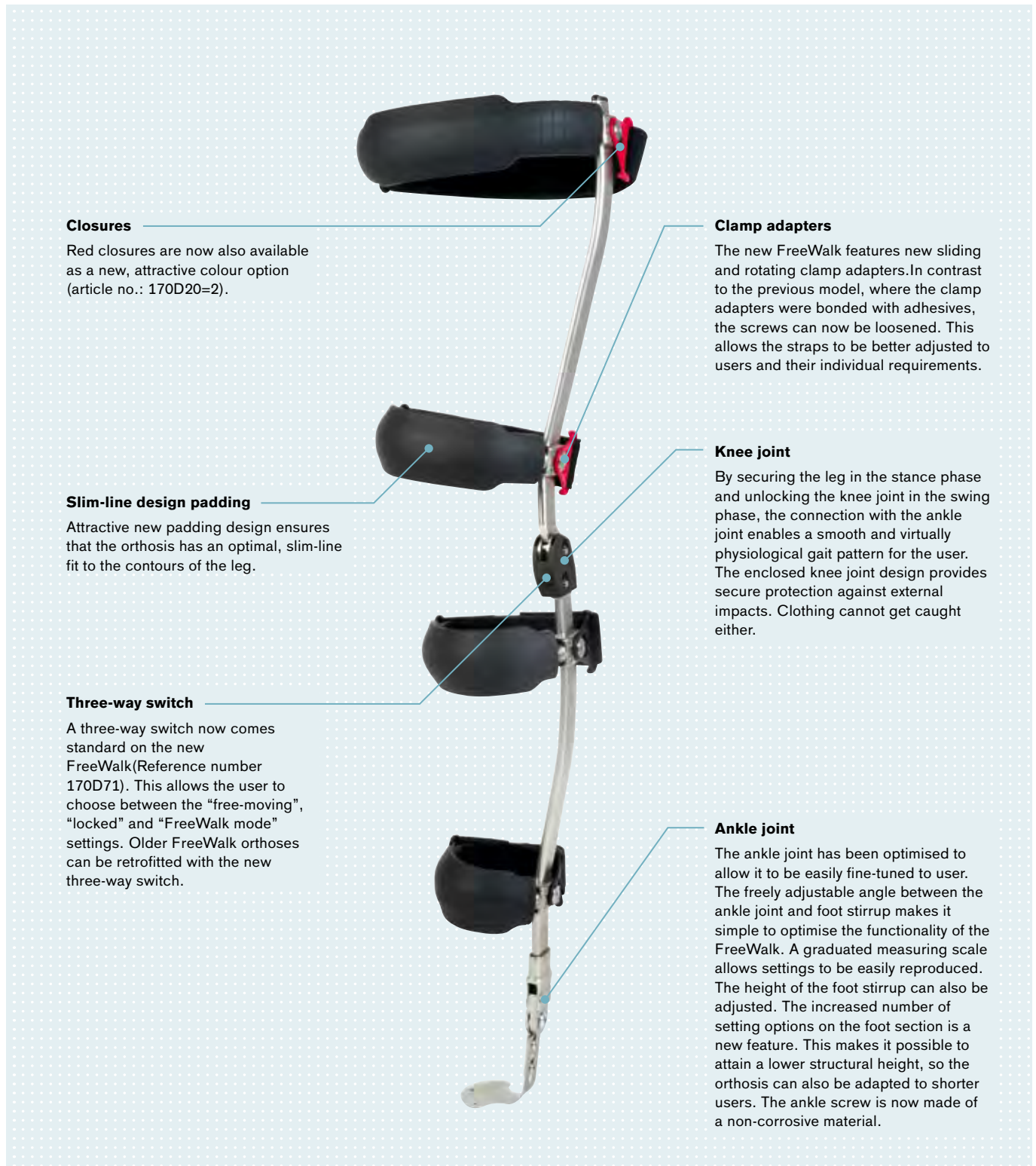
| Article number | Side | for patient weight up to | Colour |
|----------------|-------|--------------------------|-------------|
| 170K1=L-80-0 | left | 80 kg | Skin colour |
| 170K1=R-80-0 | right | 80 kg | Skin colour |
| 170K1=L-80-7 | left | 80 kg | Black |
| 170K1=R-80-7 | right | 80 kg | Black |
| 170K1=L-120-0 | left | 120 kg | Skin colour |
| 170K1=R-120-0 | right | 120 kg | Skin colour |
| 170K1=R-120-7 | right | 120 kg | Black |
| 170K1=L-120-7 | left | 120 kg | Black |

- On request, you can order a test orthosis on loan in order to carry out a functional test with your patient. Please contact your customer service representative or regional contact person regarding this!
- Please note that the insole must also be sent to us.
- Delivery condition: as shown, but without foot part
- With height-adjustable pad retainers

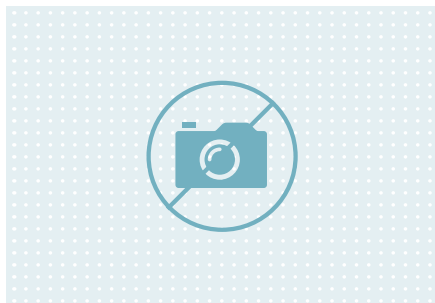
Information material

| | |
|-------------------|---|
| 646D1391=EN_INT | SCO information for practitioners |
| 646A214=EN_INT | SCO therapy information |
| 646H11=EN_INT | FreeWalk user flyer |
| 646H23=EN_INT | FreeWalk user information |
| 646F371=ALL_INT | SCO selection guide |
| 646F464=ALL_INT | KAFO selection guide |
| 646F596=EN_MASTER | Knee joints overview |
| 647H351 | FreeWalk instructions for use (practitioners) |
| 647G1174 | FreeWalk instructions for use (users) |
| 647G1175 | 170D71 instructions for use |

Secure stance phase – light and inconspicuous



Accessory for 170K1



Medial knee guide

Reference number 170D30

Guiding the knee in the medial direction allows treatment for 5° more valgus deformity.

Technical data

| Article number | for patient weight up to | Colour | Quantity unit |
|----------------|--------------------------|--------|---------------|
| 170D30=120-7 | 120 kg | Black | Set |
| 170D30=80-7 | 80 kg | Black | Set |



Tool case

Reference number 170W2

Technical data

| Article number | for | Quantity unit |
|----------------|---|---------------|
| 170W2 | Measuring and fine-tuning the FreeWalk orthosis | Piece |



Calibration set

Reference number 170W23

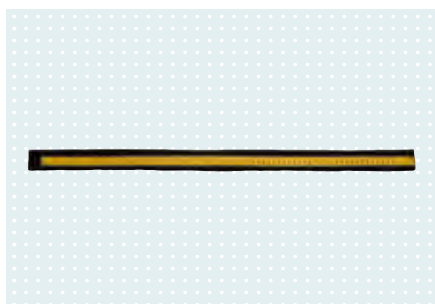
The calibration set makes it possible to order the FreeWalk orthosis using a photo

Technical data

| Article number |
|----------------|
| 170W23 |

Scope of delivery

| | | | |
|--------|------------------|---|-------|
| 170W22 | Calibration part | 1 | Piece |
| 170W4 | Tension band | 1 | Piece |
| 623Z20 | Velcro Fasteners | 1 | set |



Tension band

Reference number 170W4

Technical data

| Article number |
|----------------|
| 170W4 |



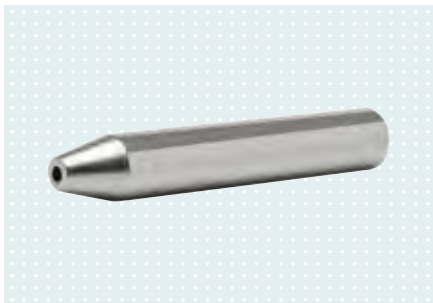
Measuring tape

Reference number 743B4

The Ottobock measuring tape is a double-sided measuring tape with a spring balance and cm/cm graduation.

Technical data

| Article number | Length |
|----------------|----------|
| 743B4 | 1,500 mm |



Mounting aid

Reference number 170W14

Technical data

| Article number |
|----------------|
| 170W14 |

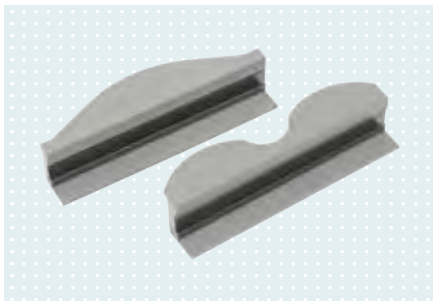


Pad retainer bending tool

Reference number 170W12

Technical data

| Article number |
|----------------|
| 170W12=1 |
| 170W12=2 |

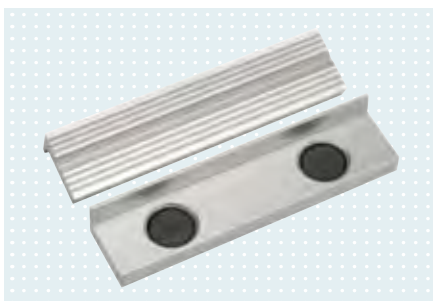


Frontal contour bending tool

Reference number 170W11

Technical data

| Article number |
|----------------|
| 170W11 |

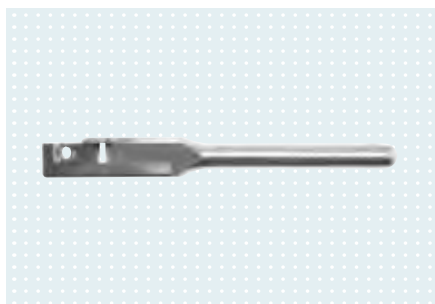


Aluminium threaded jaws

Reference number 170W13

Technical data

| Article number |
|----------------|
| 170W13 |



Bending irons

Reference number 170W18

Technical data

Article number

170W18



Callipers

Reference number 170W19

Technical data

Article number

170W19

Spare parts for 170K1

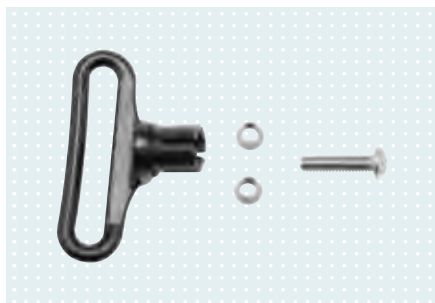


Pad button

Reference number 170D69

Technical data

| Article number | Spare part for | Thread | Quantity unit |
|----------------|--|--------|---------------|
| 170D69 | 170K1=L-80-0 170K1=L-80-7 170K1=L-120-0 170K1=L-120-7 170K1=R-80-0 170K1=R-80-7 170K1=R-120-0 170K1=R-120-7 | 4 | Piece |



Strap guide loop with tube connection

Reference number 170D18

Technical data

| Article number | Spare part for | Colour | Quantity unit |
|----------------|--------------------------------|-------------|---------------|
| 170D18=120-7 | 170K1=L-120-7 170K1=R-120-7 | Black | Piece |
| 170D18=80-7 | 170K1=L-80-7 170K1=R-80-7 | Black | Piece |
| 170D18=80-0 | 170K1=L-80-0 170K1=R-80-0 | Skin colour | Piece |
| 170D18=120-0 | 170K1=R-120-0 170K1=L-120-0 | Skin colour | Piece |



Strap guide loop for pad button

Reference number 170D20

The strap guide loop is used with the 170D17 pad button and prevents the loops from twisting.

Technical data

| Article number | Spare part for | Colour | Order unit |
|----------------|--|-------------|------------|
| 170D20=0 | 170K1=L-80-0 170K1=L-120-0 170K1=R-80-0 170K1=R-120-0 | Skin colour | Piece |
| 170D20=7 | 170K1=L-80-7 170K1=L-120-7 170K1=R-80-7 170K1=R-120-7 | Black | Piece |



Y-hook-and-loop with PU coating

Reference number 170D29

Technical data

| Article number | Spare part for | Width | Colour | Quantity unit |
|----------------|--|-------|-------------|---------------|
| 170D29=38-0 | 170K1=L-80-0 170K1=L-120-0 170K1=R-80-0 170K1=R-120-0 | 38 mm | Skin colour | Piece |
| 170D29=38-7 | 170K1=L-80-7 170K1=L-120-7 170K1=R-80-7 170K1=R-120-7 | 38 mm | Black | Piece |

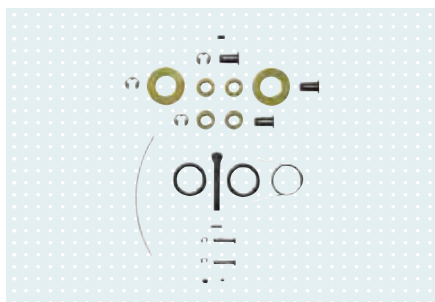


Foam pads

Reference number 170D100

Technical data

| Article number | Spare part for | Length | Colour | Quantity unit |
|----------------|--|--------|-------------|---------------|
| 170D100=1-0 | 170K1=L-80-0 170K1=L-120-0 170K1=R-80-0 170K1=R-120-0 | large | Skin colour | Piece |
| 170D100=2-0 | 170K1=L-80-0 170K1=L-120-0 170K1=R-80-0 170K1=R-120-0 | Small | Skin colour | Piece |
| 170D100=1-7 | 170K1=L-80-7 170K1=L-120-7 170K1=R-80-7 170K1=R-120-7 | large | Black | Piece |
| 170D100=2-7 | 170K1=L-80-7 170K1=L-120-7 170K1=R-80-7 170K1=R-120-7 | Small | Black | Piece |



Maintenance set for FreeWalk

Reference number 170X18

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|--|---------------|
| 170X18 | 170K1=L-80-0 170K1=L-80-7 170K1=L-120-0 170K1=L-120-7 170K1=R-80-0 170K1=R-80-7 170K1=R-120-0 170K1=R-120-7 | Set |

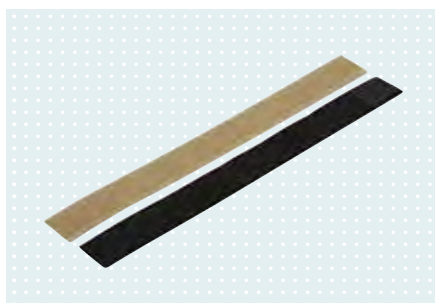


Joint protector

Reference number 170Z120

Technical data

| Article number | Spare part for | Colour | Quantity unit |
|----------------|--|-------------|---------------|
| 170Z120=0 | 170K1=L-80-0 170K1=L-120-0 170K1=L-120-7 170K1=R-80-0 170K1=R-120-0 170K1=R-120-7 | Skin colour | Set |
| 170Z120=7 | 170K1=L-80-7 170K1=R-80-7 | Black | Set |



Hook-and-loop strap

Reference number 170Z4

Technical data

| Article number | Spare part for | Length | Width | Colour | Order unit |
|----------------|--|--------|-------|-------------|------------|
| 170Z4=400-0 | 170K1=L-80-0 170K1=L-120-0 170K1=R-80-0 170K1=R-120-0 | 400 mm | 40 mm | Skin colour | Piece |
| 170Z4=400-7 | 170K1=L-80-7 170K1=L-120-7 170K1=R-80-7 170K1=R-120-7 | 400 mm | 40 mm | Black | Piece |
| 170Z4=600-0 | 170K1=L-80-0 170K1=L-120-0 170K1=R-80-0 170K1=R-120-0 | 600 mm | 40 mm | Skin colour | Piece |
| 170Z4=600-7 | 170K1=L-80-7 170K1=L-120-7 170K1=R-80-7 170K1=R-120-7 | 600 mm | 40 mm | Black | Piece |



Maintenance set for lock

Reference number 170Z99

Maintenance set for FreeWalk lock

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|--|---------------|
| 170Z99=2 | 170K1=L-80-0 170K1=L-80-7 170K1=L-120-0 170K1=L-120-7 170K1=R-80-0 170K1=R-80-7 170K1=R-120-0 170K1=R-120-7 | Set |



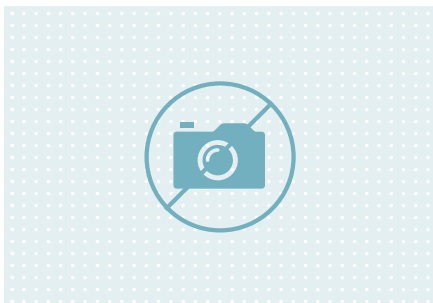
Triple control

Reference number 170D71

For switching the knee joint between the locked, free-moving and stance phase control functions.

Technical data

| Article number | Spare part for | for patient weight up to | Colour | Quantity unit |
|----------------|--|--------------------------|-------------|---------------|
| 170D71=0 | 170K1=L-80-0 170K1=L-120-0 170K1=R-80-0 170K1=R-120-0 | 80/ 120 kg | Skin colour | Piece |
| 170D71=7 | 170K1=L-80-7 170K1=L-120-7 170K1=R-80-7 170K1=R-120-7 | 80/ 120 kg | Black | Piece |

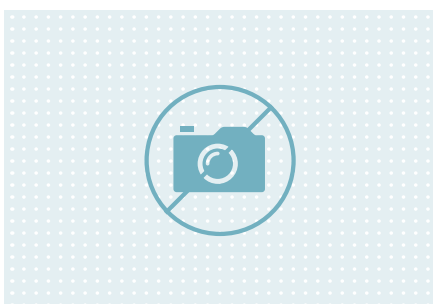


Cap screw, glass bead blasted

Reference number 170D83

Technical data

| Article number | Spare part for |
|-------------------|--|
| 170D83=M4X12-TX20 | 170K1=L-80-0 170K1=L-80-7 170K1=L-120-0 170K1=L-120-7 170K1=R-80-0 170K1=R-80-7 170K1=R-120-0 170K1=R-120-7 |



Screw with flattened half-round head

Reference number 501F9

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|--|---------------|
| 501F9=M6X10-1 | 170K1=L-80-0 170K1=L-80-7 170K1=L-120-0 170K1=L-120-7 170K1=R-80-0 170K1=R-80-7 170K1=R-120-0 170K1=R-120-7 | Piece |



Wedge

Reference number 170D73

Technical data

| Article number | Spare part for |
|----------------|--|
| 170D73=120 | 170K1=L-80-0 170K1=L-80-7 170K1=L-120-0 170K1=L-120-7 170K1=R-80-0 170K1=R-80-7 170K1=R-120-0 170K1=R-120-7 |



Steel cable for lock

Reference number 170Z96

Technical data

| Article number | Spare part for |
|----------------|--|
| 170Z96 | 170K1=L-80-0 170K1=L-80-7 170K1=L-120-0 170K1=L-120-7 170K1=R-80-0 170K1=R-80-7 170K1=R-120-0 170K1=R-120-7 |



Adjustable ankle joint

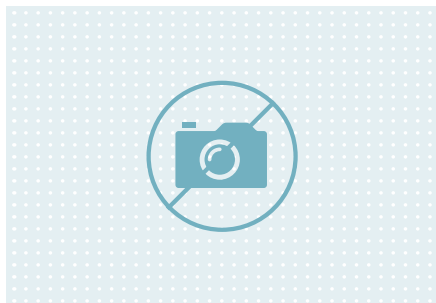
Reference number 170X17N

Ankle joint for the FreeWalk orthosis

Technical data

| Article number | Spare part for |
|----------------|--|
| 170X17N=L | 170K1=L-80-0 170K1=L-80-7 170K1=L-120-0 170K1=L-120-7 |
| 170X17N=R | 170K1=R-80-0 170K1=R-80-7 170K1=R-120-0 170K1=R-120-7 |

Spare parts for 170X17N



Ankle joint, lower section

Reference number 170C11

Technical data

| Article number | Side | Quantity unit |
|----------------|-----------|---------------|
| 170C11=L | left (L) | Piece |
| 170C11=R | right (R) | Piece |

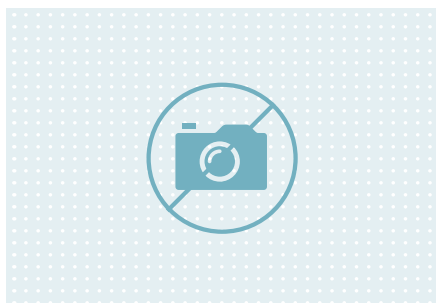


Ankle setting nut

Reference number 170D33

Technical data

| Article number |
|----------------|
| 170D33 |



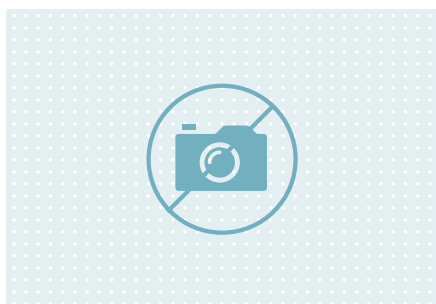
Threaded plate

Reference number 170D28

Threaded plate for 170X17 adjustable orthotic ankle joint

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 170D28 | Piece |



Foot stirrup, upper section

Reference number 170F14

Technical data

| Article number |
|----------------|
| 170F14 |



Screw with flattened half-round head

Reference number 501F9

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|------------------------|---------------|
| 501F9=M6X10-1 | 170X17N=L 170X17N=R | Piece |



Foot stirrup, lower section

Reference number 170F15

Technical data

| Article number |
|----------------|
| 170F15 |



Screw with flattened half-round head

Reference number 501F9

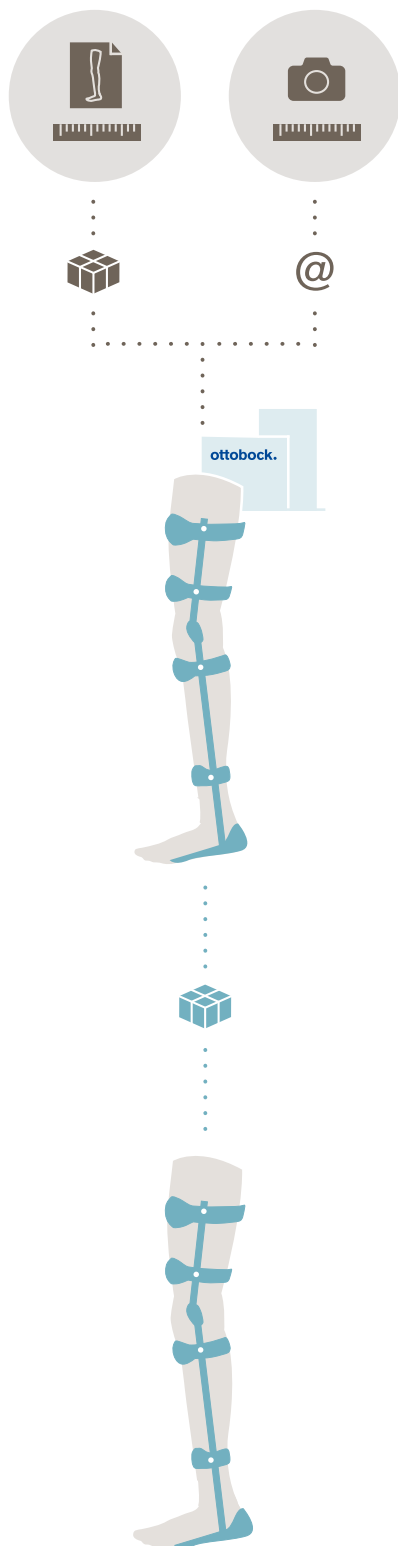
Technical data

| Article number | Spare part for | Quantity unit |
|----------------|------------------------|---------------|
| 501F9=M4X4 | 170X17N=L 170X17N=R | Piece |

KAFO/KO

“SCO” – Stance Control Orthoses – FreeWalk orthotic system ordering process

Information on the ordering process



Step 1

Take the patient's measurements (note the 646T5=4 technical information). Please also complete the forms (patient data and measurement form, measurement forms for the outline sketch) included in the 170W2 Free Walk orthosis tool kit (may be obtained on loan for initial fittings).

Ordering option a:

- Send a conventional outline drawing of the patient's leg via regular mail.

Ordering option b:

- Use the newly developed photo measurement process that allows you to conveniently order the orthosis via email. Here, Ottobock Service Fabrication receives your order immediately, which means it can be processed faster. You will need the 170W23 calibration set and the predefined photos to use the photo measurement process.

Please submit all documentation to Ottobock Service Fabrication via email or regular mail.

Step 2

Please submit all forms to Ottobock Service Fabrication. Ottobock Service Fabrication will fabricate a Free Walk orthosis for you, and usually ships it after 5 working days.

Step 3

You receive a Free Walk orthosis with an exact fit, supporting a harmonious gait pattern and secure stance.



E-MAG Active

Reference number 17B203

Functionality

The E-MAG Active is an electronically controlled system knee joint with secured stance phase and free swing phase that works independently from the ankle joint and foot sole. An intelligent sensor system measures the leg position while walking and controls the orthotic joint accordingly. Since the joint is activated independently of the ankle and sole of the foot, patients can take advantage of the functionality offered by the orthotic joint even if they do not have use of the ankle.

The PreLock function further improves safety. It is activated at just 15°, before the knee joint locks at full extension.

Delivery condition

The E-Mag Active is supplied in a case. This contains the entire, coordinated system according to the scope of delivery.



Information material

| | |
|-------------------|---|
| 646D1391=EN_INT | SCO information for practitioners |
| 646A214=EN_INT | SCO therapy information |
| 646H10=EN_INT | E-MAG Active user flyer |
| 647F588=EN_INT | E-MAG Active order form |
| 646F371=ALL_INT | SCO selection guide |
| 646F464=ALL_INT | KAFO selection guide |
| 646F596=EN_MASTER | Knee joints overview |
| 646D580=EN | Special print – SCO clinical studies |
| 646H17=ALL_INT | E-MAG Active quick start guide for users |
| 647G1164 | E-MAG Active instructions for use (users) |
| 647G1165=ALL_INT | E-MAG Active instructions for use (technicians) |

Scope of delivery

| | | | |
|----------|---|---|-------|
| 30G70 | E-MAG Active knee joint | 1 | Piece |
| 317B3 | Control electronics | 1 | Piece |
| 317L20 | Battery charger | 1 | Piece |
| 317B20 | Replaceable battery | 2 | Piece |
| 317E20 | Connecting cable | 1 | Piece |
| 317R20 | Lock unit for battery | 1 | Piece |
| 30Y140 | Cable dummy | 1 | Piece |
| 21A45 | Perlon cable | 1 | Piece |
| 317X203 | Dummy for knee joint | 1 | Piece |
| 317Z21 | Receptacle set | 1 | Piece |
| 317Z13 | Receptacle set (electronics) | 1 | Piece |
| 317E2 | Electronics cable | 1 | Piece |
| 30G72 | E-MAG case with inlays | 1 | Piece |
| 646H17 | E-MAG Active quick start guide for users | | |
| 647G1165 | E-MAG Active instructions for use (technicians) | 1 | Piece |
| 647G1164 | E-MAG Active instructions for use (users) | 1 | Piece |

Technical data

| Article number | Side | Flexion angle |
|----------------|-----------|---------------|
| 17B203=L | left (L) | 5 ° |
| 17B203=R | right (R) | 5 ° |
| 17B203=L-7.5 | left (L) | 7.5 ° |
| 17B203=R-7.5 | right (R) | 7.5 ° |

- ⚠ Caution! Please always indicate the serial number of the entire E-MAG Active package when ordering spare parts, especially when ordering electronic components.
- 📄 Certification of competence is recommended for the E-MAG Active and can be obtained using an e-learning tool.



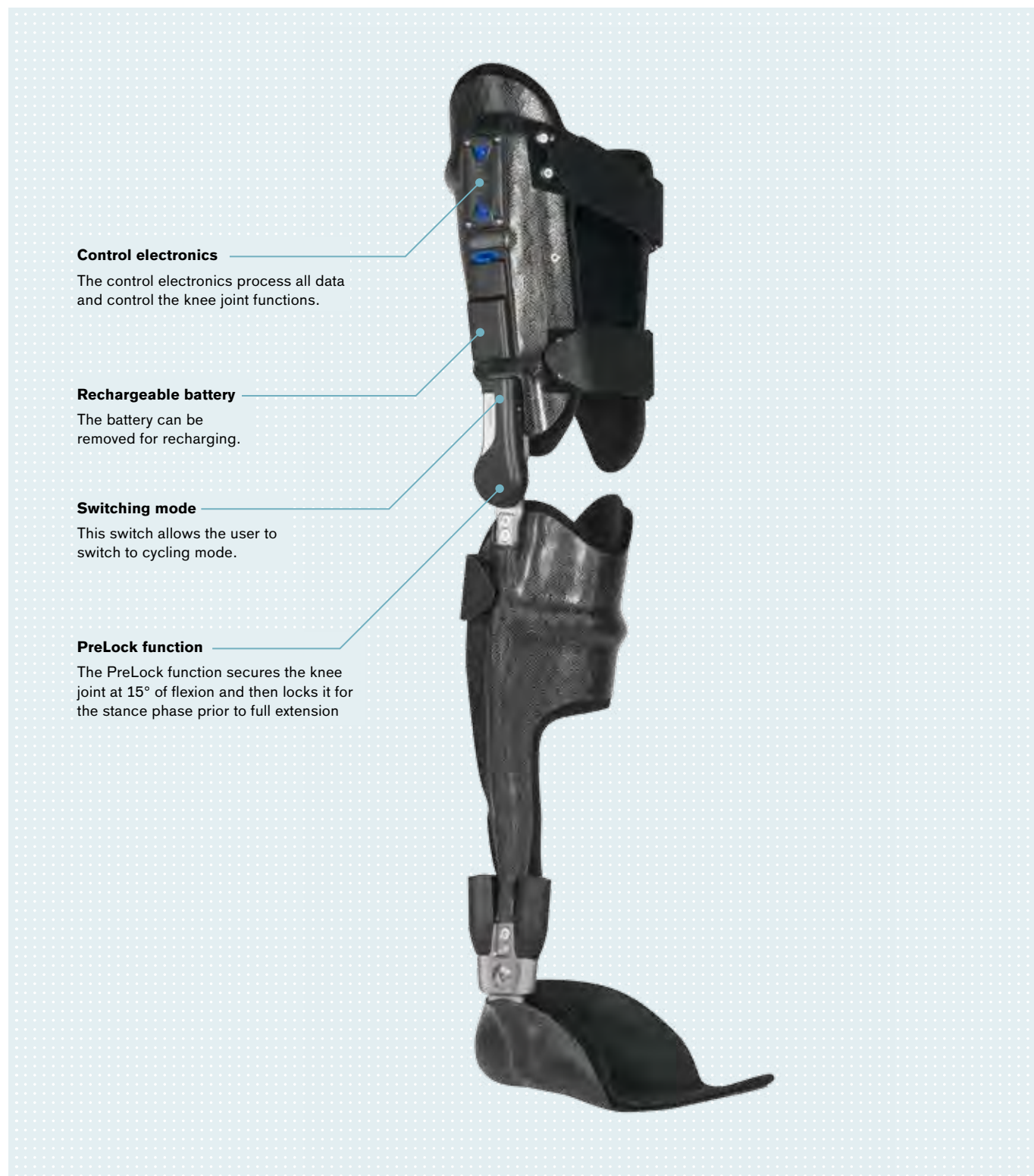
Practical recommendation 17B203

Using the 17B206 medial support increases the maximum allowable body weight to 100 kg.

KAFO/KO

“SCO” – Stance Control Orthoses

Greater mobility in everyday life



Spare parts for 17B203



Dummy for knee joint

Reference number 317X203

Technical data

| Article number | Spare part for |
|----------------|----------------|
| 317X203=L | 17B203=L |
| 317X203=R | 17B203=R |
| 317X203=L-7.5 | 17B203=L-7.5 |
| 317X203=R-7.5 | 17B203=R-7.5 |



Lock unit for battery

Reference number 317R20

Lock unit for E-MAG Active battery

Technical data

| Article number | Spare part for |
|----------------|--|
| 317R20 | 17B203=L 17B203=L-7.5 17B203=R 17B203=R-7.5 |



Connecting cable

Reference number 317E20

Connecting cable for battery

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|--|---------------|
| 317E20 | 17B203=L 17B203=L-7.5 17B203=R 17B203=R-7.5 | Piece |

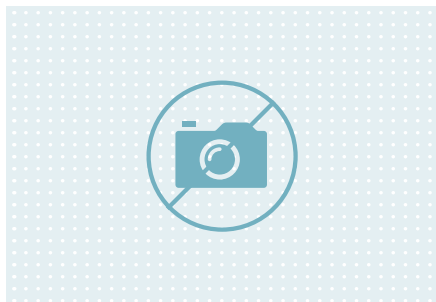


Replaceable battery

Reference number 317B20

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|--|---------------|
| 317B20 | 17B203=L 17B203=L-7.5 17B203=R 17B203=R-7.5 | Piece |



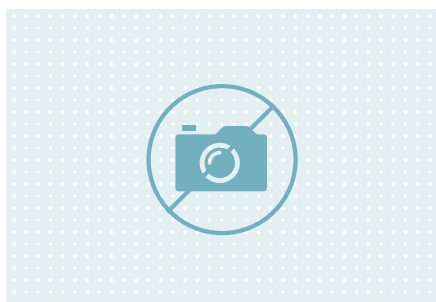
Control electronics

Reference number 317B3

Control electronics unit for the E-MAG Active

Technical data

| Article number | Spare part for |
|----------------|--|
| 317B3 | 17B203=L 17B203=L-7.5 17B203=R 17B203=R-7.5 |

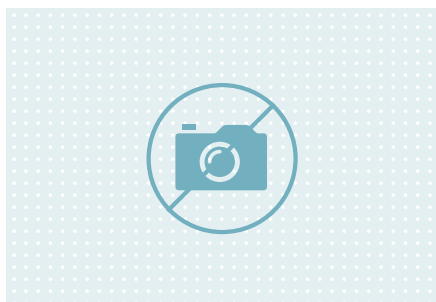


E-MAG Active knee joint

Reference number 30G70

Technical data

| Article number | Spare part for |
|----------------|----------------|
| 30G70=L | 17B203=L |
| 30G70=R | 17B203=R |
| 30G70=L-7.5 | 17B203=L-7.5 |
| 30G70=R-7.5 | 17B203=R-7.5 |



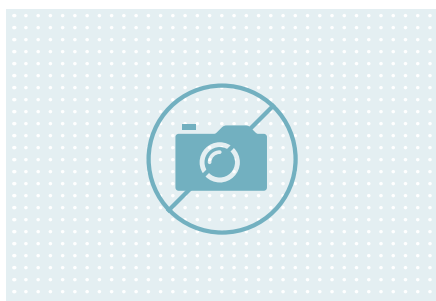
Battery charger

Reference number 317L20

Charger for E-MAG Active

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|--|---------------|
| 317L20 | 17B203=L 17B203=L-7.5 17B203=R 17B203=R-7.5 | Piece |



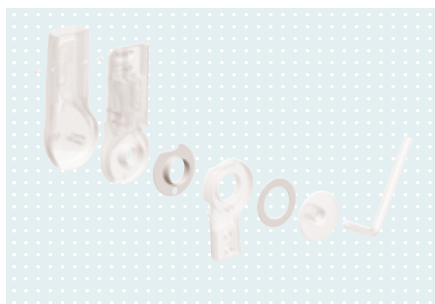
Electronics cable

Reference number 317E2

Electronics cable for E-MAG Active

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|--|---------------|
| 317E2 | 17B203=L 17B203=L-7.5 17B203=R 17B203=R-7.5 | Piece |



Service set

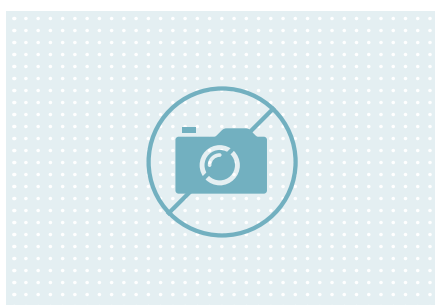
Reference number 17BS203

Service set for the E-MAG Active orthotic knee joint (17B203)

Service set for maintenance of the joint bearing

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|--|---------------|
| 17BS203 | 17B203=L 17B203=L-7.5 17B203=R 17B203=R-7.5 | Piece |



Drive ring

Reference number 30Y438

Drive ring for the E-MAG Active

Technical data

| Article number | Spare part for |
|----------------|--|
| 30Y438 | 17B203=L 17B203=L-7.5 17B203=R 17B203=R-7.5 |



Cable dummy

Reference number 30Y140

Cable dummy for the E-MAG Active

Technical data

| Article number | Spare part for |
|----------------|--|
| 30Y140 | 17B203=L 17B203=L-7.5 17B203=R 17B203=R-7.5 |



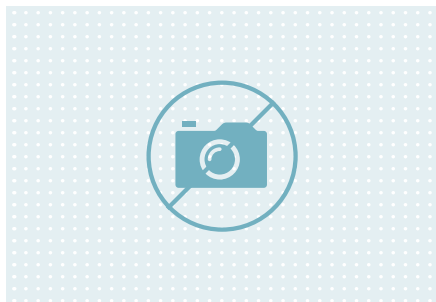
Receptacle set (electronics)

Reference number 317Z13

Receptacle set (electronics), consisting of: electronics receptacle, dummy for receptacle, dummy for electronics

Technical data

| Article number | Spare part for |
|----------------|--|
| 30Y438 | 17B203=L 17B203=L-7.5 17B203=R 17B203=R-7.5 |



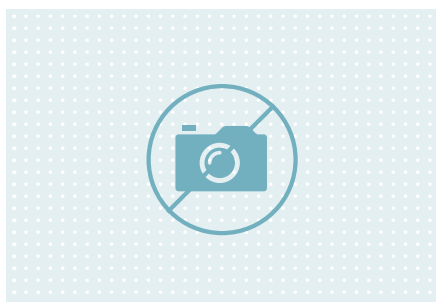
Receptacle set

Reference number 317Z21

Receptacle set, consisting of battery receptacle, dummy for receptacle, dummy for battery

Technical data

| Article number | Spare part for | Thread |
|----------------|--|--------|
| 501S21=M2X5 | 17B203=L 17B203=L-7.5 17B203=R 17B203=R-7.5 | M2 |

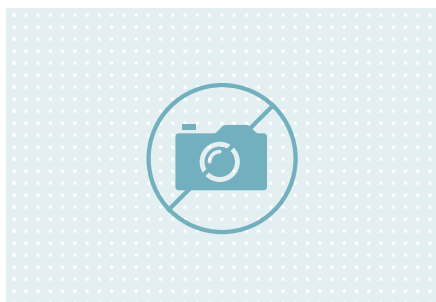


Countersunk screw

Reference number 501S21

Technical data

| Article number | Spare part for | Thread |
|----------------|--|--------|
| 501S21=M2X5 | 17B203=L 17B203=L-7.5 17B203=R 17B203=R-7.5 | M2 |

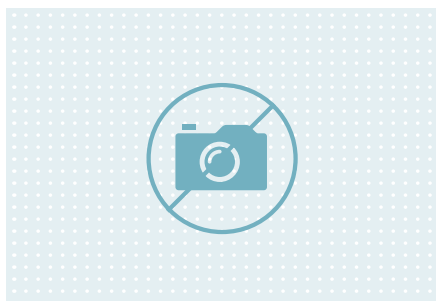


Oval head screw

Reference number 501S72

Technical data

| Article number | Spare part for | Thread |
|----------------|--|--------|
| 501S72=M3X12 | 17B203=L 17B203=L-7.5 17B203=R 17B203=R-7.5 | M3 |



Hexagon nut

Reference number 502S27

Technical data

| Article number | Spare part for |
|----------------|--|
| 502S27=M3 | 17B203=L 17B203=L-7.5 17B203=R 17B203=R-7.5 |



Universal power supply

Reference number 757L16

Technical data

Article number

757L16-2



Cover for E-MAG Active joint unit

Reference number 317D2

Cover for the E-MAG Active joint unit

Technical data

| Article number | Spare part for | Side |
|----------------|--------------------------|-----------|
| 317D2=L | 17B203=L 17B203=L-7.5 | left (L) |
| 317D2=R | 17B203=R 17B203=R-7.5 | right (R) |



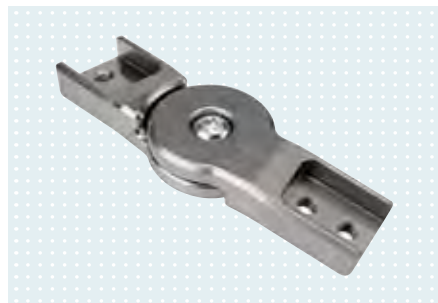
Countersunk head Torx screw

Reference number 501S137

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|--|---------------|
| 501S137=M5X10 | 17B203=L 17B203=L-7.5 17B203=R 17B203=R-7.5 | Piece |

Accessory for 17B203



Medial support

Reference number 17B206

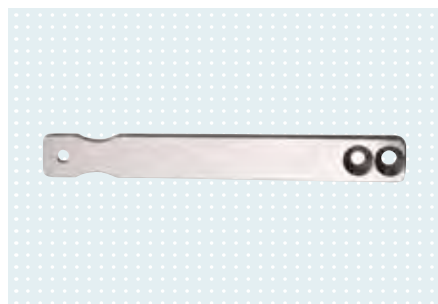
Includes lamination dummy

Technical data

| Article number | Max. body weight | Quantity unit |
|----------------|------------------|---------------|
| 17B206 | 100 kg | Piece |
| 17B206=7.5 | 100 kg | Piece |

Information material

| | |
|-----------------|-----------------------------|
| 646F464=ALL_INT | KAFO selection guide |
| 647G1182 | 17B206 instructions for use |



Lamination bar

Reference number 17LS3



Technical data

| Article number | Length | Width | Thickness | Material | Quantity unit |
|----------------|--------|-------|--------------------------|-----------------|---------------|
| 17LS3=16 | 130 mm | 16 mm | 6 mm bottom/ 3 mm top | Stainless steel | Piece |

“SCO” – Stance Control Orthoses – E-MAG Active order form

| Customer | | Shipping address (if different from customer address) | |
|------------------|----------------------|---|----------------------|
| Customer no. | <input type="text"/> | Customer no. | <input type="text"/> |
| Company | <input type="text"/> | Company | <input type="text"/> |
| Street | <input type="text"/> | Street | <input type="text"/> |
| Postal code/city | <input type="text"/> | Postal code/city | <input type="text"/> |
| O&P professional | <input type="text"/> | Com. | <input type="text"/> |

User information

Last name, first name:

Age:

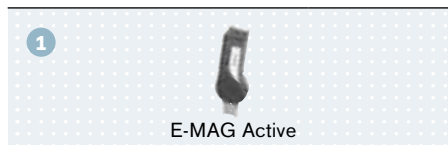
Weight:

Side: Left Right

Indication:

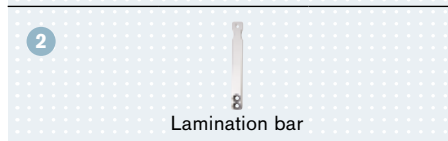
The size chosen depends on the patient's weight and the conditions of use. The joint can also be ordered with an extension stop of 7.5 degrees for patients with a minor knee extension deficit (up to max. 10°). Please enter the required quantity in the field provided.

Unilateral fitting (up to 85 kg)



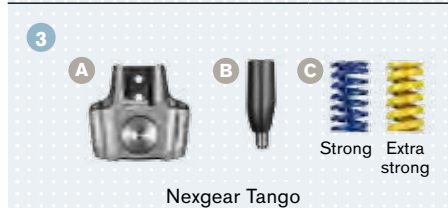
1 E-MAG Active

17B203=R or 17B203=R7.5
 17B203=L 17B203=L7.5



2 Lamination bar

17LS3=16
 17LS3=16-T



3 Nexgear Tango

A Base body

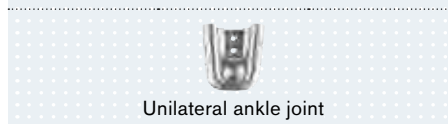
17AD100=16 or
 17AD100=16-T

B Reaction-module

17AD100A=HS-16

C Reaction-spring

17AD100A=HS-20-1 (strong)
 17AD100A=HS-20-2 (extra strong)



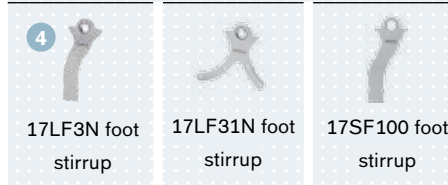
3 Unilateral ankle joint

17LA3N=16
 17LA3N=16-T



3 Carbon Ankle seven




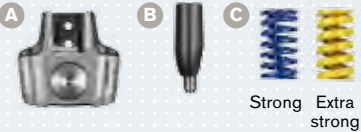





17CF1

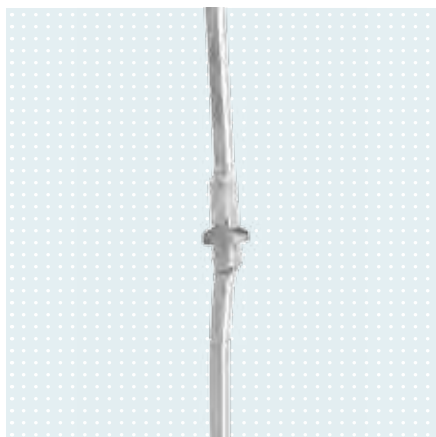


17LF3N=16 or 17LF31N=16

4 Foot stirrup (Nexgear Tango)

17SF100=OS-16

| Bilateral fitting (up to 100 kg) | | |
|--|---|---|
| 1  E-MAG Active |  Medial support | 1 E-MAG Active <input type="checkbox"/> 17B203=R or <input type="checkbox"/> 17B203=R7.5 <input type="checkbox"/> 17B203=L <input type="checkbox"/> 17B203=L7.5 |
| | | 1 Medial support <input type="checkbox"/> 17B206 <input type="checkbox"/> 17B206=7.5 |
| 2  Lamination bar | | 2 Lamination bar <input type="checkbox"/> 17LS3=16 <input type="checkbox"/> 17LS3=16-T |
| 3  Nexgear Tango Strong Extra strong | | 3 Nexgear Tango A Base body <input type="checkbox"/> 17AD100=16 or <input type="checkbox"/> 17AD100=16-T |
| | | B Reaction-module <input type="checkbox"/> 17AD100A=HS-16 |
| | | C Reaction-spring <input type="checkbox"/> 17AD100A=HS-20-1 (strong) <input type="checkbox"/> 17AD100A=HS-20-2 (extra strong) |
|  Unilateral ankle joint | | OR |
| | | 3 Unilateral ankle joint <input type="checkbox"/> 17LA3N=16 <input type="checkbox"/> 17LA3N=16-T |
|  Carbon Ankle seven | | OR |
| | | 3 Carbon Ankle seven <input type="checkbox"/> 17CF1 |
| 4  17LF3N foot stirrup |  17LF31N foot stirrup |  17SF100 foot stirrup |
| | | 4 Foot stirrup (17LA3N unilateral ankle joint) ← |
| | | <input type="checkbox"/> 17LF3N=16 or <input type="checkbox"/> 17LF31N=16 |
| | | 4 Foot stirrup (Nexgear Tango) ← |
| | | <input type="checkbox"/> 17SF100=OS-16 |



Knee joint with 4-in-1 option ring lock

Reference number 17KL40

Four options in one knee joint

- Automatic ring lock
- Manual ring lock
- Ring lock with lever (17KL19=2 Duchenne bow kit)
- Free motion



Technical data

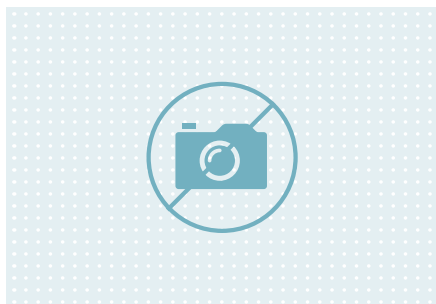
| Article number | Upper/lower bar length | Bar width | Joint bar thickness | Bar material | Quantity unit |
|----------------|------------------------|-----------|---------------------|-----------------|---------------|
| 17KL40=13 | 310/480 mm | 13 mm | 5 mm | Stainless steel | Pair |
| 17KL40=13-A | 310/ 480 mm | 13 mm | 5 mm | Aluminium | Pair |
| 17KL40=16 | 400/ 560 mm | 16 mm | 5 mm | Stainless steel | Pair |
| 17KL40=16-A | 400/ 560 mm | 16 mm | 5 mm | Aluminium | Pair |
| 17KL40=20 | 400/ 560 mm | 20 mm | 5 mm | Stainless steel | Pair |
| 17KL40=20-A | 400/ 560 mm | 20 mm | 5 mm | Aluminium | Pair |

- Automatic = a spring presses the ring lock into the locked position
- Manual = the ring lock must be manually moved into the locked position

Information material

| | |
|-------------------|---|
| 646D1279=EN_INT | Conventional joint bar system information for practitioners |
| 646F596=EN_MASTER | Knee joints overview |
| 647G221 | 17KF10/17KL20/17KL40 instructions for use |

Spare parts for 17KL40



Service set

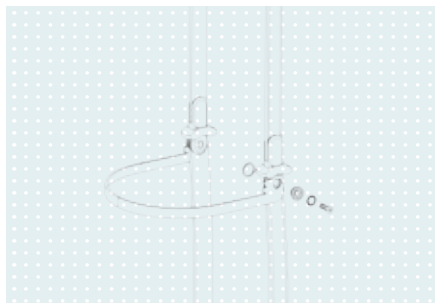
Reference number 17KS=8

Service set for 17KL40

Technical data

| Article number | Scope of delivery |
|----------------|---|
| 17KS=8 | Bearing nut Bushing Flat round disk with slot Truss head screw with slot Red washerSpring tappe Compression spring Face plate |

Accessory for 17KL40



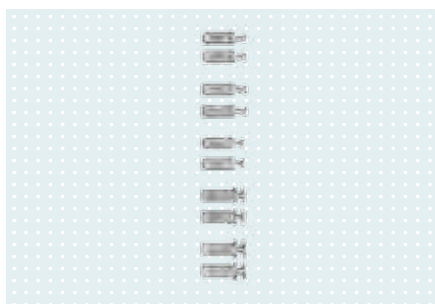
Duchenne bow kit

Reference number 17KL19

Named after Duchenne muscular dystrophy, because flexion contractures occur at an early stage with patients affected by this disease. The ring lock connection with the bow ensures that the joint is easy to release, even under heavy flexion load, but is secure under load when closed.

Technical data

| Article number | Accessories for |
|----------------|--|
| 17KL19=2 | 17KL40=13 17KL40=13-A 17KL40=16 17KL40=16-A 17KL40=20 17KL40=20-A |

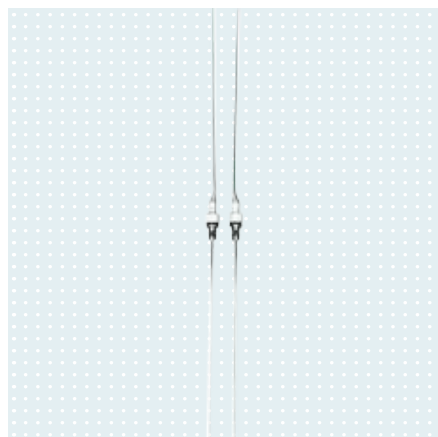


Alignment insert set

Reference number 743Y57

Technical data

| Article number | Accessories for |
|----------------|--|
| 743Y57 | 17KL40=13 17KL40=13-A 17KL40=16 17KL40=16-A 17KL40=20 17KL40=20-A |



Knee joint bar for children

Reference number 17K29

Locked joint bar with manual ring lock, flat bar profile



Technical data

| Article number | Milled head Ø | Upper/lower bar length | Bar width | Joint bar thickness | Material | Quantity unit |
|----------------|---------------|------------------------|-----------|---------------------|-----------------|---------------|
| 17K29=4 | 20 mm | 410 / 390 mm | 16 mm | 3 mm | Stainless steel | Pair |
| 17K29=5 | 18 mm | 300 / 320 mm | 14 mm | 3 mm | Stainless steel | Pair |
| 17K29=6 | 16 mm | 220 / 250 mm | 12 mm | 3 mm | Stainless steel | Pair |

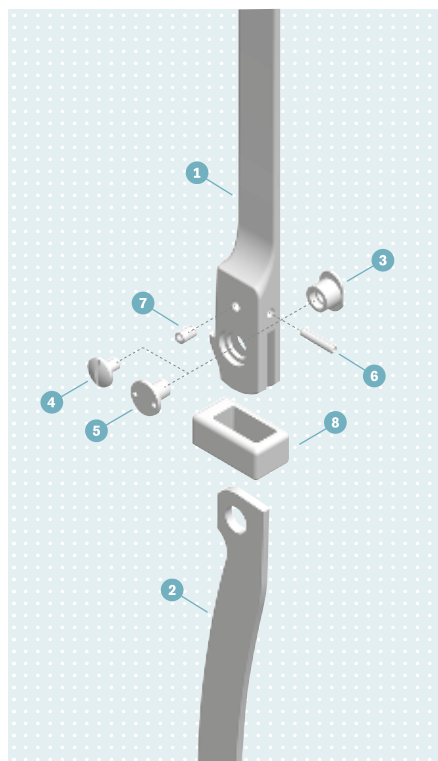
Information material

| | |
|-------------------|--|
| 646F596=EN_MASTER | Knee joints overview |
| 647G2 | Instructions for use – system/leg bars |
| 647G95 | 501D1 instructions for use |

i Practical recommendation 17K29

The following shoulder screws can be used with the 17K29/32/33/34/42 joint bars for children: 501A1=12x6xM4

Spare parts for 17K29



(1) Knee joint bar, upper section

Reference number 17X7

Technical data

| Article number | Spare part for | Side | Material | Quantity unit |
|----------------|----------------|-------|-----------------|---------------|
| 17X7=L4 | 17K29=4 | left | Stainless steel | Piece |
| 17X7=R4 | 17K29=4 | right | Stainless steel | Piece |
| 17X7=L5 | 17K29=5 | left | Stainless steel | Piece |
| 17X7=R5 | 17K29=5 | right | Stainless steel | Piece |
| 17X7=L6 | 17K29=6 | left | Stainless steel | Piece |
| 17X7=R6 | 17K29=6 | right | Stainless steel | Piece |

(2) Knee joint bar, lower section

Reference number 17U7

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------|-----------------|---------------|
| 17U7=4 | 17K29=4 | Stainless steel | Piece |
| 17U7=5 | 17K29=5 | Stainless steel | Piece |
| 17U7=6 | 17K29=6 | Stainless steel | Piece |

(3) Bearing nut, hardened

Reference number 17Y93

Technical data

| Article number | Spare part for | Insertion length | Profile length | Shank length | Thread | Shoulder Ø | Quantity unit |
|------------------|--------------------|------------------|----------------|--------------|--------|------------|---------------|
| 17Y93=6X6.7XM4 | 17K29=5 17K29=6 | 5.45 mm | 12 mm | 6.7 mm | M4 | 6 mm | Piece |
| 17Y93=6.5X6.7XM4 | 17K29=5 17K29=6 | 5.45 mm | 12 mm | 6.7 mm | M4 | 6.5 mm | Piece |
| 17Y93=7X6.7XM4 | 17K29=5 17K29=6 | 5.45 mm | 12 mm | 6.7 mm | M4 | 7 mm | Piece |
| 17Y93=9X7.2XM6 | 17K29=4 | 6 mm | 14 mm | 7.2 mm | M6 | 9 mm | Piece |
| 17Y93=9X9.2XM6 | 17K29=4 | 8 mm | 14 mm | 9.2 mm | M6 | 9 mm | Piece |
| 17Y93=9.5X7.2XM6 | 17K29=4 | 6 mm | 14 mm | 7.2 mm | M6 | 9.5 mm | Piece |
| 17Y93=10X7.2XM6 | 17K29=4 | 6 mm | 14 mm | 7.2 mm | M6 | 10 mm | Piece |

(4) Slotted truss head screw

Reference number 501S32

Technical data

| Article number | Spare part for | Head Ø | Length | Thread | Material | Quantity unit |
|------------------|--------------------|--------|--------|--------|-----------------|---------------|
| 501S32=M4X10X9.5 | 17K29=5 17K29=6 | 10 mm | 9.5 mm | M4 | Stainless steel | Piece |

(5) Two-hole screw

Reference number 501S34

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------|-----------------|---------------|
| 501S34=M6 | 17K29=4 | Stainless steel | Piece |

(6) Clamping sleeve

Reference number 506S1

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 506S1=3X14 | Piece |

(7) Spring-loaded thrust piece

Reference number 501D1

Technical data

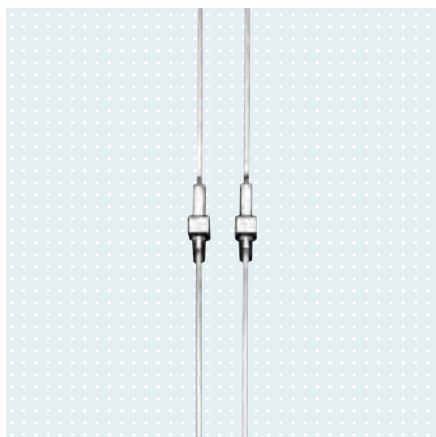
| Article number | Spare part for | Material | Quantity unit |
|----------------|-------------------------------|-----------------|---------------|
| 501D1 | 17K29=4 17K29=5 17K29=6 | Stainless steel | Piece |

(8) Ring lock

Reference number 17Y13

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|--------------------|-----------------|---------------|
| 17Y13=4 | 17K29=4 | Stainless steel | Piece |
| 17Y13=5 | 17K29=5 17K29=6 | Stainless steel | Piece |



Information material

| | |
|-------------------|---------------------------------------|
| 646F596=EN_MASTER | Knee joints overview |
| 647G78=ALL_INT | Light metal bars instructions for use |

Knee joint bar for children

Reference number 17K42

Locked knee joint bar with manual ring lock, flat bar profile, upper and lower sections made of aluminium, joint made of stainless steel



Technical data

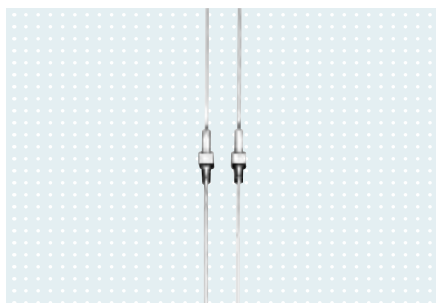
| Article number | Milled head Ø | Upper/lower bar length | Bar width | Joint bar thickness | Material | Quantity unit |
|----------------|---------------|------------------------|-----------|---------------------|----------------------------|---------------|
| 17K42=4 | 20 mm | 410 / 390 mm | 16 mm | 3 mm | Stainless steel, Aluminium | Pair |
| 17K42=5 | 18 mm | 300 / 320 mm | 14 mm | 3 mm | Stainless steel, Aluminium | Pair |
| 17K42=6 | 16 mm | 220 / 250 mm | 12 mm | 3 mm | Stainless steel, Aluminium | Pair |



Practical recommendation 17K42

The following shoulder screws can be used with the 17K29, 17K32, 17K33, 17K34 and 17K42 joint bars for children: 501A1=12x6xM4

Spare parts for 17K42

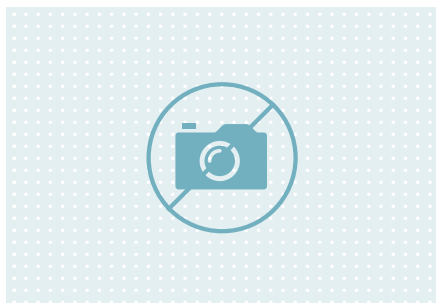


Knee joint bar, upper section

Reference number 17X1

Technical data

| Article number | Spare part for | Side | Material | Quantity unit |
|----------------|----------------|-----------|-----------|---------------|
| 17X1=L4 | 17K42=4 | left (L) | Aluminium | Piece |
| 17X1=R4 | 17K42=4 | right (R) | Aluminium | Piece |
| 17X1=L5 | 17K42=5 | left (L) | Aluminium | Piece |
| 17X1=R5 | 17K42=5 | right (R) | Aluminium | Piece |
| 17X1=L6 | 17K42=6 | left (L) | Aluminium | Piece |
| 17X1=R6 | 17K42=6 | right (R) | Aluminium | Piece |



Knee joint bar, lower section

Reference number 17U11

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------|-----------|---------------|
| 17U11=4 | 17K42=4 | Aluminium | Piece |
| 17U11=5 | 17K42=5 | Aluminium | Piece |
| 17U11=6 | 17K42=6 | Aluminium | Piece |



Bearing nut, hardened

Reference number 17Y93

Technical data

| Article number | Spare part for | Insertion length | Profile length | Shank length | Thread | Attachment Ø | Quantity unit |
|------------------|--------------------|------------------|----------------|--------------|--------|--------------|---------------|
| 17Y93=6X6.7XM4 | 17K42=5 17K42=6 | 5.45 mm | 12 mm | 6.7 mm | M4 | 6 mm | Piece |
| 17Y93=6.5X6.7XM4 | 17K42=5 17K42=6 | 5.45 mm | 12 mm | 6.7 mm | M4 | 6.5 mm | Piece |
| 17Y93=7X6.7XM4 | 17K42=5 17K42=6 | 5.45 mm | 12 mm | 6.7 mm | M4 | 7 mm | Piece |
| 17Y93=9X7.2XM6 | 17K42=4 | 6 mm | 14 mm | 7.2 mm | M6 | 9 mm | Piece |
| 17Y93=9.5X7.2XM6 | 17K42=4 | 6 mm | 14 mm | 7.2 mm | M6 | 9.5 mm | Piece |
| 17Y93=10X7.2XM6 | 17K42=4 | 6 mm | 14 mm | 7.2 mm | M6 | 10 mm | Piece |

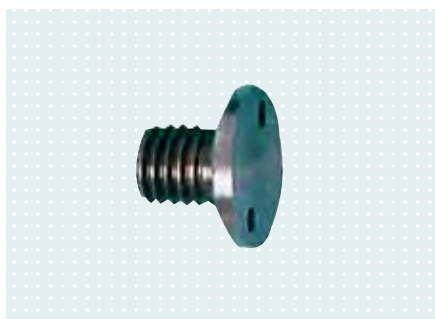


Slotted truss head screw

Reference number 501S32

Technical data

| Article number | Spare part for | Head Ø | Length | Thread | Material | Quantity unit |
|------------------|--------------------|--------|--------|--------|-----------------|---------------|
| 501S32=M4X10X9.5 | 17K42=5 17K42=6 | 10 mm | 9.5 mm | M4 | Stainless steel | Piece |

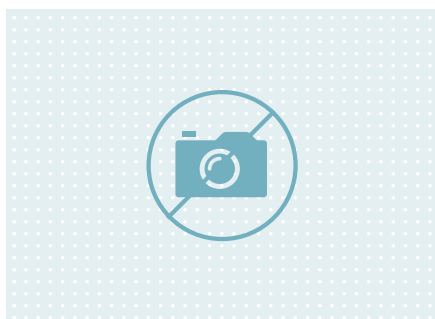


Two-hole screw

Reference number 501S34

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------|-----------------|---------------|
| 501S34=M6 | 17K42=4 | Stainless steel | Piece |



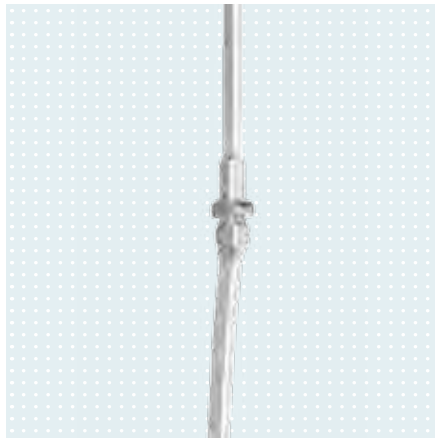
Ring lock

Reference number 17Y13

Ring lock for knee joints

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|--------------------|-----------------|---------------|
| 17Y13=4 | 17K42=4 | Stainless steel | Piece |
| 17Y13=5 | 17K42=5 17K42=6 | Stainless steel | Piece |



Knee joint with ring lock

Reference number 17KL6

Straight medial and lateral joints, with automatic ring lock



Technical data

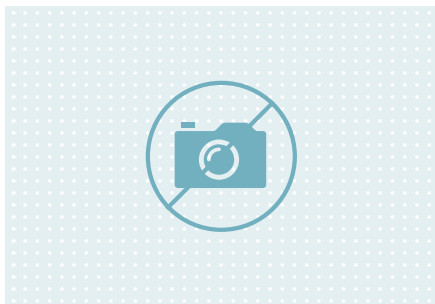
| Article number | Upper/lower bar length | Bar width | Joint bar thickness | Bar material | Quantity unit |
|----------------|------------------------|-----------|---------------------|--------------|---------------|
| 17KL6=13-A | 300 / 500 mm | 13 mm | 5 mm | Aluminium | Pair |
| 17KL6=13-CS | 300 / 500 mm | 13 mm | 5 mm | Steel | Pair |
| 17KL6=16-A | 400 / 570 mm | 16 mm | 6,35 mm | Aluminium | Pair |
| 17KL6=16-CS | 400 / 570 mm | 16 mm | 5 mm | Steel | Pair |

- Automatic = a spring presses the ring lock into the locked position

Information material

| | |
|-----------------|---|
| 646D1279=EN_INT | Conventional joint bar system information for practitioners |
| 647G1318 | 17KL6/17KL7/17KL8/17KL9 instructions for use |

Spare parts for 17KL6

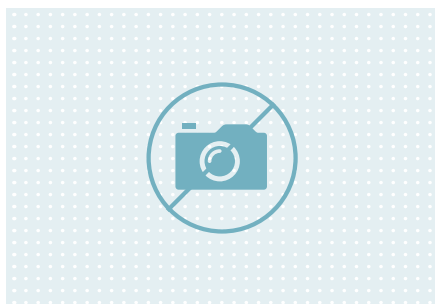


Service set

Reference number 17KS=6

Technical data

| Article number | Spare part for | Scope of delivery |
|----------------|----------------|---|
| 17KS=6 | 17KL6=13-A | Bearing nut Bushing Face plate Flat round disk with slot Red washer Compression spring Truss head screw with slot Spring-loaded thrust piece |



Service set

Reference number 17KHS=3

Service set for hip and knee joints

Technical data

| Article number | Spare part for | Scope of delivery |
|----------------|----------------------------|---|
| 17KHS=3 | 17KL6=13-CS 17KL6=15-CS | Bearing nut Bushing Flat round disk with slot Red washer Compression spring Truss head screw with slot Spring-loaded thrust piece |



Service set

Reference number 17KS=4

Technical data

| Article number | Spare part for | Scope of delivery |
|----------------|----------------|---|
| 17KS=4 | 17KL6=16-A | Bearing nut Bushing Face plate Flat round disk with slot Red washer Compression spring Truss head screw with slot Spring-loaded thrust piece |



Service set

Reference number 17KHS=2

Service set for hip and knee joints

Technical data

| Article number | Spare part for | Scope of delivery |
|----------------|----------------|---|
| 17KHS=2 | 17KL6=16-CS | Bearing nut Bushing Flat round disk with slot Red washer Compression spring Truss head screw with slot Spring-loaded thrust piece |

Accessory for 17KL6



Alignment insert set

Reference number 743Y57

Technical data

| Article number | Accessories for |
|----------------|--|
| 743Y57 | 17KL6=16-CS 17KL6=16-A 17KL6=13-A 17KL6=13-CS |



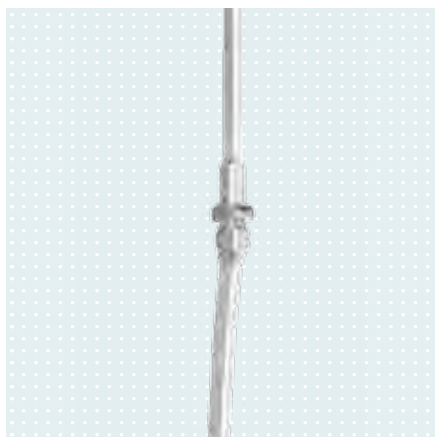
Chailey kit

Reference number 17KL19

Bow for unlocking the 17KL6=* ring lock joints

Technical data

| Article number | Accessories for |
|----------------|---------------------------|
| 17KL19=3 | 17KL6=16-CS 17KL6=16-A |
| 17KL19=5 | 17KL6=13-A 17KL6=13-CS |



Knee joint with ring lock

Reference number 17KL7

Straight medial and lateral joints, with manual ring lock



Technical data

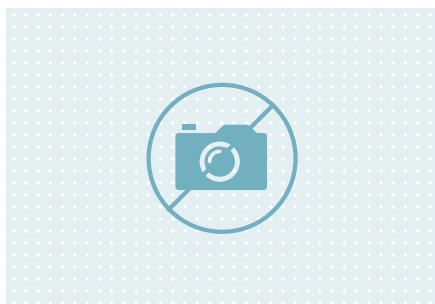
| Article number | Upper/lower bar length | Bar width | Joint bar thickness | Bar material | Quantity unit |
|----------------|------------------------|-----------|---------------------|--------------|---------------|
| 17KL7=13-A | 300 / 500 mm | 13 mm | 5 mm | Aluminium | Pair |
| 17KL7=13-CS | 300 / 500 mm | 13 mm | 5 mm | Steel | Pair |
| 17KL7=16-A | 400 / 570 mm | 16 mm | 6,35 mm | Aluminium | Pair |
| 17KL7=16-CS | 400 / 570 mm | 16 mm | 5 mm | Steel | Pair |

- Manual = the ring lock must be manually moved into the locked position

Information material

| | |
|-----------------|---|
| 646D1279=EN_INT | Conventional joint bar system information for practitioners |
| 647G1318 | 17KL6/17KL7/17KL8/17KL9 instructions for use |

Spare parts for 17KL7



Service set

Reference number 17KS=6

Technical data

| Article number | Spare part for | Scope of delivery |
|----------------|----------------|---|
| 17KS=6 | 17KL7=13-A | Bearing nut Bushing Face plate Flat round disk with slot Red washer Compression spring Truss head screw with slot Spring-loaded thrust piece |



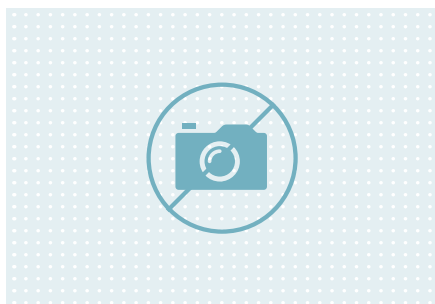
Service set

Reference number 17KHS=3

Service set for hip and knee joints

Technical data

| Article number | Spare part for | Scope of delivery |
|----------------|----------------------------|---|
| 17KHS=3 | 17KL7=13-CS 17KL7=15-CS | Bearing nut Bushing Flat round disk with slot Red washer Compression spring Truss head screw with slot Spring-loaded thrust piece |

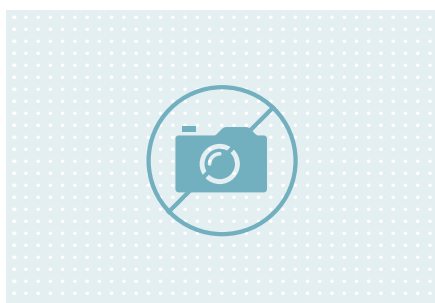


Service set

Reference number 17KS=4

Technical data

| Article number | Spare part for | Scope of delivery |
|----------------|----------------|---|
| 17KS=4 | 17KL7=16-A | Bearing nut Bushing Face plate Flat round disk with slot Red washer Compression spring Truss head screw with slot Spring-loaded thrust piece |



Service set

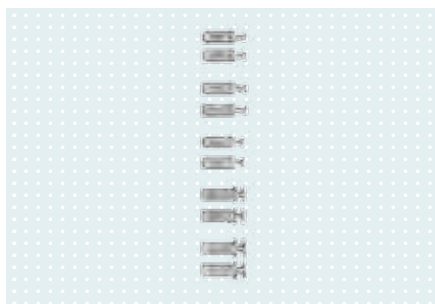
Reference number 17KHS=2

Service set for hip and knee joints

Technical data

| Article number | Spare part for | Scope of delivery |
|----------------|----------------|---|
| 17KHS=2 | 17KL7=16-CS | Bearing nut Bushing Flat round disk with slot Red washer Compression spring Truss head screw with slot Spring-loaded thrust piece |

Accessory for 17KL7

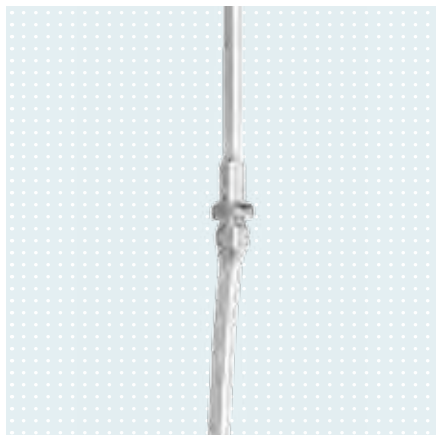


Alignment insert set

Reference number 743Y57

Technical data

| Article number | Accessories for |
|----------------|--|
| 743Y57 | 17KL7=13-A 17KL7=13-CS 17KL7=16-CS 17KL7=16-A |



Knee joint with ring lock

Reference number 17KL8

Straight medial and lateral joints, with automatic ring lock
Reinforced version of the 17KL6 knee joint



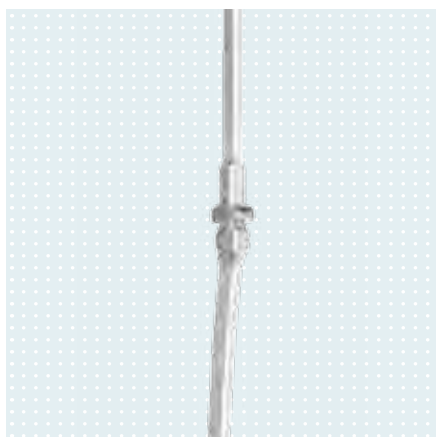
Technical data

| Article number | Upper/lower bar length | Bar width | Joint bar thickness | Bar material | Quantity unit |
|----------------|------------------------|-----------|---------------------|--------------|---------------|
| 17KL8=16-CS | 400 / 570 mm | 16 mm | 6,35 mm | Steel | Pair |
| 17KL8=20-CS | 400 / 570 mm | 20 mm | 7 mm | Steel | Pair |

- Automatic = a spring presses the ring lock into the locked position

Information material

| | |
|-----------------|---|
| 646D1279=EN_INT | Conventional joint bar system information for practitioners |
| 647G1318 | 17KL6/17KL7/17KL8/17KL9 instructions for use |



Knee joint with ring lock

Reference number 17KL9

Straight medial and lateral joints, with manual ring lock
Reinforced version of the 17KL7 knee joint



Technical data

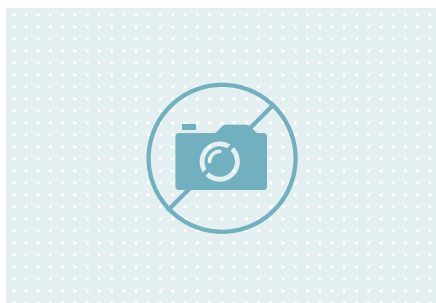
| Article number | Upper/lower bar length | Bar width | Joint bar thickness | Bar material | Quantity unit |
|----------------|------------------------|-----------|---------------------|--------------|---------------|
| 17KL9=16-CS | 400 / 570 mm | 16 mm | 6,35 mm | Steel | Pair |
| 17KL9=20-CS | 400 / 570 mm | 20 mm | 7 mm | Steel | Pair |

- Manual = the ring lock must be manually moved into the locked position

Information material

| | |
|-----------------|---|
| 646D1279=EN_INT | Conventional joint bar system information for practitioners |
| 647G1318 | 17KL6/17KL7/17KL8/17KL9 instructions for use |

Spare parts for 17KL8, 17KL9



Service set

Reference number 17KS=1

Technical data

| Article number | Spare part for | Scope of delivery |
|----------------|----------------------------|---|
| 17KS=1 | 17KL8=16-CS 17KL9=16-CS | Bearing nut Bushing Flat round disk with slot Red washer Compression spring Truss head screw with slot Spring-loaded thrust piece |



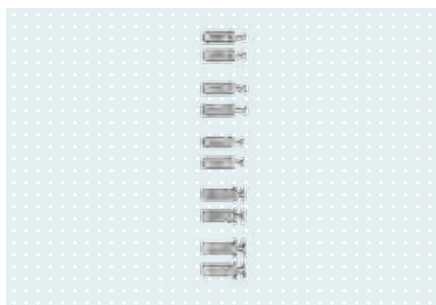
Service set

Reference number 17KS=7

Technical data

| Article number | Spare part for | Scope of delivery |
|----------------|----------------------------|---|
| 17KS=7 | 17KL8=20-CS 17KL9=20-CS | Bearing nut Bushing Flat round disk with slot Red washer Compression spring Truss head screw with slot |

Accessory for 17KL8, 17KL9



Alignment insert set

Reference number 743Y57

Technical data

| Article number | Accessories for |
|----------------|--|
| 743Y57 | 17KL8=16-CS 17KL8=20-CS 17KL9=16-CS 17KL9=20-CS |



Knee joint bar for children

Reference number 17K34

With open Swiss lock, flat bar profile



Technical data

| Article number | Upper/lower bar length | Bar width | Joint bar thickness | Joint head Ø | Material | Quantity unit |
|----------------|------------------------|-----------|---------------------|--------------|-----------------|---------------|
| 17K34=6 | 220 / 250 mm | 12 mm | 3 mm | 16 mm | Stainless steel | Pair |
| 17K34=5 | 300 / 320 mm | 14 mm | 3 mm | 18 mm | Stainless steel | Pair |
| 17K34=4 | 410 / 390 mm | 16 mm | 3 mm | 20 mm | Stainless steel | Pair |

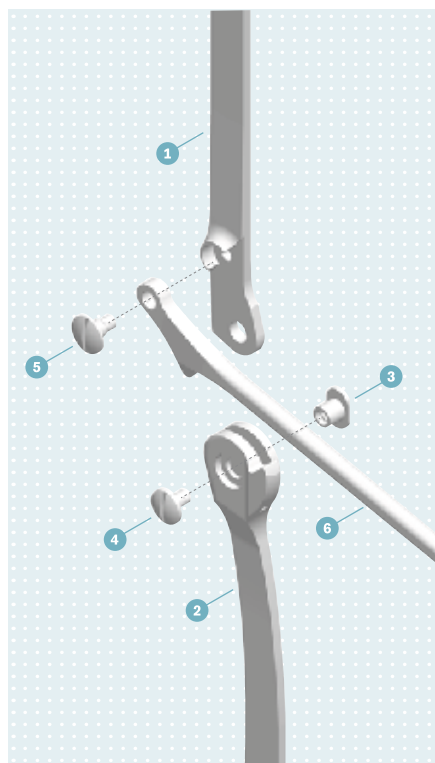
Information material

646F596=EN_MASTER Knee joints overview

i Practical recommendation 17K34

The following shoulder screws can be used with the 17K29, 17K32, 17K33, 17K34 and 17K42 joint bars for children: 501A1=12x6xM4

Spare parts for 17K34



(1) Knee joint bar, upper section

Reference number 17X10

Technical data

| Article number | Spare part for | Side | Material | Quantity unit |
|----------------|----------------|-----------|-----------------|---------------|
| 17X10=L6 | 17K34=6 | left (L) | Stainless steel | Piece |
| 17X10=R6 | 17K34=6 | right (R) | Stainless steel | Piece |
| 17X10=L5 | 17K34=5 | left (L) | Stainless steel | Piece |
| 17X10=R5 | 17K34=5 | right (R) | Stainless steel | Piece |
| 17X10=L4 | 17K34=4 | left (L) | Stainless steel | Piece |
| 17X10=R4 | 17K34=4 | right (R) | Stainless steel | Piece |

(2) Knee joint bar, lower section

Reference number 17U10

Technical data

| Article number | Spare part for | Side | Material | Quantity unit |
|----------------|----------------|-----------|-----------------|---------------|
| 17U10=L6 | 17K34=6 | left (L) | Stainless steel | Piece |
| 17U10=R6 | 17K34=6 | right (R) | Stainless steel | Piece |
| 17U10=L5 | 17K34=5 | left (L) | Stainless steel | Piece |
| 17U10=R5 | 17K34=5 | right (R) | Stainless steel | Piece |
| 17U10=L4 | 17K34=4 | left (L) | Stainless steel | Piece |
| 17U10=R4 | 17K34=4 | right (R) | Stainless steel | Piece |

(3) Bearing nut, hardened

Reference number 17Y93

Technical data

| Article number | 17K34=5 17K34=6 | Insertion length | Profile length | Shank length | Thread | Shoulder Ø | Quantity unit |
|------------------|--------------------|------------------|----------------|--------------|--------|------------|---------------|
| 17Y93=6X6.7XM4 | 17K34=5 17K34=6 | 5.45 mm | 12 mm | 6.7 mm | M4 | 6 mm | Piece |
| 17Y93=6.5X6.7XM4 | 17K34=5 17K34=6 | 5.45 mm | 12 mm | 6.7 mm | M4 | 6.5 mm | Piece |
| 17Y93=7X6.7XM4 | 17K34=4 | 5.45 mm | 12 mm | 6.7 mm | M4 | 7 mm | Piece |
| 17Y93=9X7.2XM6 | 17K34=4 | 6 mm | 14 mm | 7.2 mm | M6 | 9 mm | Piece |
| 17Y93=9.5X7.2XM6 | 17K34=4 | 6 mm | 14 mm | 7.2 mm | M6 | 9.5 mm | Piece |
| 17Y93=10X7.2XM6 | 17K34=4 | 6 mm | 14 mm | 7.2 mm | M6 | 10 mm | Piece |

(4) Slotted truss head screw

Reference number 501S32

Technical data

| Article number | Spare part for | Head Ø | Length | Thread | For system width | Material | Quantity unit |
|------------------|--------------------|--------|--------|--------|------------------|-----------------|---------------|
| 501S32=M4X10X9.5 | 17K34=5 17K34=6 | 10 mm | 9.5 mm | M4 | 16 mm | Stainless steel | Piece |
| 501S32=M6X14X10 | 17K34=4 | 14 mm | 10 mm | M6 | 20/16 mm | Stainless steel | Piece |

(5) Oval head screw, slotted and partially threaded

Reference number 501A11

Technical data

| Article number | Spare part for | Thread | Attachment Ø | Head Ø | Material | Quantity unit |
|----------------|--------------------|--------|--------------|--------|-----------------|---------------|
| 501A11=11X5XM4 | 17K34=5 17K34=6 | M4 | 5 mm | 11 mm | Stainless steel | Piece |

(6) Lock lever

Reference number 17Y37

Technical data

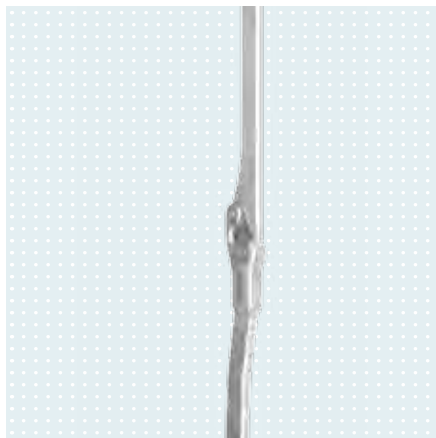
| Article number | Side | Material | Quantity unit |
|----------------|-----------|-----------------|---------------|
| 17Y37=L | left (L) | Stainless steel | Piece |
| 17Y37=R | right (R) | Stainless steel | Piece |

(7) Lock lever

Reference number 17Y57

Technical data

| Article number | Side | For system width | Material | Quantity unit |
|----------------|-----------|------------------|-----------------|---------------|
| 17Y57=L | left (L) | 16 and 20 mm | Stainless steel | Piece |
| 17Y57=R | right (R) | 16 and 20 mm | Stainless steel | Piece |



Knee joint with open Swiss lock

Reference number 17KL30

Straight medial and lateral joints, with open Swiss lock

- Easy to unlock
- Lever included



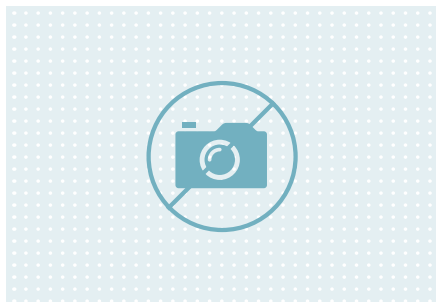
Technical data

| Article number | Upper/lower bar length | Bar width | Joint bar thickness | Bar material | Quantity unit |
|----------------|------------------------|-----------|---------------------|--------------|---------------|
| 17KL30=16-CS | 400 / 570 mm | 16 mm | 5 mm | Steel | Pair |
| 17KL30=20-A | 400 / 570 mm | 20 mm | 5 mm | Aluminium | Pair |

Information material

| | |
|-----------------|---|
| 646D1279=EN_INT | Conventional joint bar system information for practitioners |
| 647G1321 | 17KL30 instructions for use |

Spare parts for 17KL30



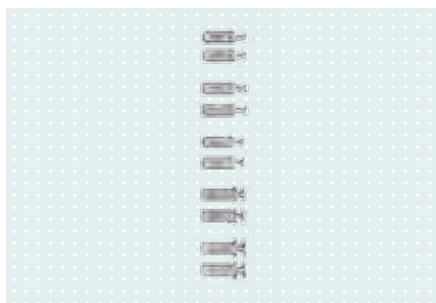
Service set

Reference number 17KS=14

Technical data

| Article number | Spare part for | Scope of delivery |
|----------------|-----------------------------|---|
| 17KS=14 | 17KL30=16-CS 17KL30=20-A | Flat round disk with slot Red washer Bearing nut Bushing Face plate |

Accessory for 17KL30

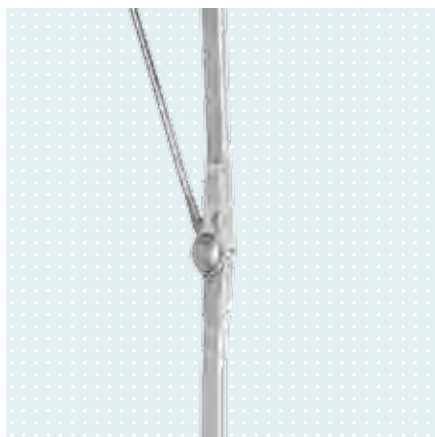


Alignment insert set

Reference number 743Y57

Technical data

| Article number | Accessories for |
|----------------|-----------------------------|
| 743Y57 | 17KL30=16-CS 17KL30=20-A |



Knee joint with covered Swiss lock

Reference number 17KL20

Straight medial and lateral joints, with covered Swiss lock



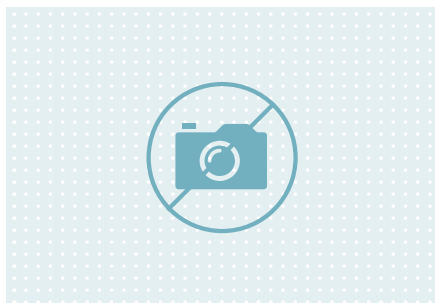
Technical data

| Article number | Upper/lower bar length | Bar width | Joint bar thickness | Version | Bar material | Quantity unit |
|----------------|------------------------|-----------|---------------------|----------|-----------------|---------------|
| 17KL20=13 | 300 / 490 mm | 13 mm | 5 mm | Straight | Stainless steel | Pair |
| 17KL20=13-A | 300 / 490 mm | 13 mm | 5 mm | Straight | Aluminium | Pair |
| 17KL20=20 | 400 / 560 mm | 20 mm | 5 mm | Straight | Stainless steel | Pair |
| 17KL20=20-A | 400 / 560 mm | 20 mm | 5 mm | Straight | Aluminium | Pair |

Information material

| | |
|-------------------|---|
| 646D1279=EN_INT | Conventional joint bar system information for practitioners |
| 646F596=EN_MASTER | Knee joints overview |
| 647G221 | 17KF10/17KL20/17KL40 instructions for use |

Spare parts for 17KL20



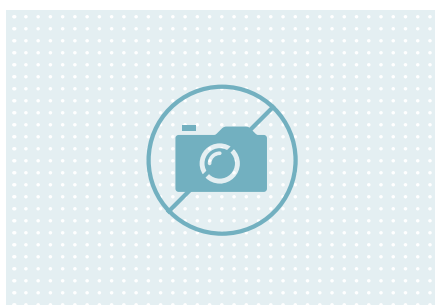
Service set

Reference number 17KS=9

Service set for 17KL20=13*

Technical data

| Article number | Spare part for | Scope of delivery |
|----------------|--|---|
| 17KS=9 | 17KL20=13-CS 17KL20=13-A 17KL20=13 | Bearing nut Flat round disk with slot Red washerLock washer Washer Bale pin Compression spring |



Service set

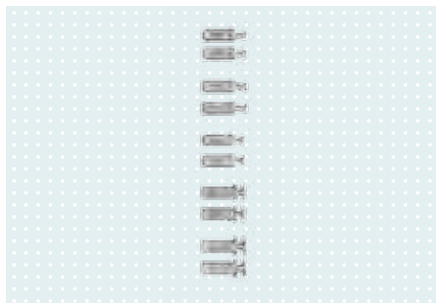
Reference number 17KS=10

Service set for 17KL20=*

Technical data

| Article number | Spare part for | Scope of delivery |
|----------------|--|---|
| 17KS=10 | 17KL20=16-CS 17KL20=20-A 17KL20=C-20 17KL20=C-20-A 17KL20=L-20 17KL20=R-20 17KL20=R-20-A 17KL20=L-20-A 17KL20=20 | Bearing nut Flat round disk with slot Red washerLock washer Washer Bale pin Compression spring |

Accessory for 17KL20

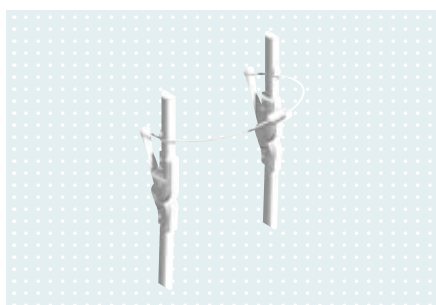


Alignment insert set

Reference number 743Y57

Technical data

| Article number | Accessories for |
|----------------|--|
| 743Y57 | 17KL20=13 17KL20=13-A 17KL20=20 17KL20=20-A |



Pull-release cable

Reference number 17MS30

The pull-release cable can be positioned anterior or posterior. Thanks to the change of direction, less force is required for pulling.

Technical data

| Article number | Accessories for | Quantity unit |
|----------------|--|---------------|
| 17MS30=A | 17KL20=13 17KL20=13-A 17KL20=20 17KL20=20-A | Pair |



Modular system knee joint

Reference number 17B42

Locked knee joint with ring lock; straight medial and lateral joints



Technical data

| Article number | System width | Milled head | Length from joint centre upper | Length from joint centre lower | Material | Quantity unit |
|----------------|--------------|-------------|--------------------------------|--------------------------------|-----------------|---------------|
| 17B42=16 | 16 mm | 25x4 mm | 56 mm | 38 mm | Stainless steel | Pair |
| 17B42=20 | 20 mm | 25x4 mm | 56 mm | 38 mm | Stainless steel | Pair |

Information material

| | |
|-------------------|--|
| 646F596=EN_MASTER | Knee joints overview |
| 647G2 | Instructions for use – system/leg bars |



Practical recommendation 17B42

On worn joints, the tolerance can be reduced with the repair bolts. A suitable reamer is usually used for adaptation.



Modular system knee joint

Reference number 17B20

Locked knee joint with ring lock; contoured medial joint, straight lateral joint



Technical data

| Article number | Side | System width | Milled head | Length from joint centre upper | Length from joint centre lower | Material | Quantity unit |
|----------------|-----------|--------------|-------------|--------------------------------|--------------------------------|-----------------|---------------|
| 17B20=L16 | left (L) | 16 mm | 25x4 mm | 56 mm | 38 mm | Stainless steel | Pair |
| 17B20=R16 | right (R) | 16 mm | 25x4 mm | 56 mm | 38 mm | Stainless steel | Pair |
| 17B20=L20 | left (L) | 20 mm | 25x4 mm | 56 mm | 38 mm | Stainless steel | Pair |
| 17B20=R20 | right (R) | 20 mm | 25x4 mm | 56 mm | 38 mm | Stainless steel | Pair |

Information material

| | |
|-------------------|--|
| 646F596=EN_MASTER | Knee joints overview |
| 647G2 | Instructions for use – system/leg bars |



Practical recommendation 17B20

On worn joints, the tolerance can be reduced with the repair bolts. A suitable reamer is usually used for adaptation.



Modular system knee joint

Reference number 17B21

Locked knee joint with ring lock; contoured lower segment of medial joint, straight upper segment, straight lateral joint



Information material

| | |
|-------------------|--|
| 646F596=EN_MASTER | Knee joints overview |
| 647G2 | Instructions for use – system/leg bars |

Technical data

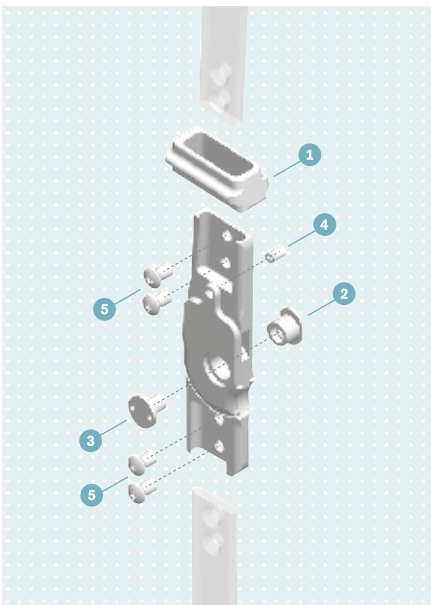
| Article number | Side | System width | Milled head | Length from joint centre upper | Length from joint centre lower | Material | Quantity unit |
|----------------|-----------|--------------|-------------|--------------------------------|--------------------------------|-----------------|---------------|
| 17B21=L16 | left (L) | 16 mm | 25x4 mm | 56 mm | 38 mm | Stainless steel | Pair |
| 17B21=R16 | right (R) | 16 mm | 25x4 mm | 56 mm | 38 mm | Stainless steel | Pair |
| 17B21=L20 | left (L) | 20 mm | 25x4 mm | 56 mm | 38 mm | Stainless steel | Pair |
| 17B21=R20 | right (R) | 20 mm | 25x4 mm | 56 mm | 38 mm | Stainless steel | Pair |



Practical recommendation 17B42, 17B20, 17B21

On worn joints, the tolerance can be reduced with the repair bolts. A suitable reamer is usually used for adaptation.

Spare parts for 17B42, 17B20, 17B21



(1) Ring lock

Reference number 17Y31

Technical data

| Article number | oboPlaceholder_Material | Quantity unit |
|----------------|-------------------------|---------------|
| 17Y31=25X9.5 | Stainless steel | Piece |

(2) Bearing nut, hardened

Reference number 17Y93

Technical data

| Article number | Spare part for | Insertion length | Profile length | Shank length | Thread | Attachment Ø | Quantity unit |
|------------------|--|------------------|----------------|--------------|--------|--------------|---------------|
| 17Y93=9X7.2XM6 | 17B20=L16 17B20=L20 17B20=R16 17B20=R20 17B21=L16 17B21=L20 17B21=R16 17B21=R20 17B42=16 17B42=20 | 6 mm | 14 mm | 7.2 mm | M6 | 9 mm | Piece |
| 17Y93=9.5X7.2XM6 | 17B20=L16 17B20=L20 17B20=R16 17B20=R20 17B21=L16 17B21=L20 17B21=R16 17B21=R20 17B42=16 17B42=20 | 6 mm | 14 mm | 7.2 mm | M6 | 9.5 mm | Piece |

(3) Two-hole screw

Reference number 501S34

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|--|-----------------|---------------|
| 501S34=M6 | 17B20=R16 17B20=L16 17B20=L20 17B20=R20 17B21=R16 17B21=R20 17B21=L16 17B21=L20 17B42=16 17B42=20 | Stainless steel | Piece |

(4) Spring-loaded thrust piece

Reference number 501D1

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|--|-----------------|---------------|
| 501D1 | 17B20=R16 17B20=L16 17B20=L20 17B20=R20 17B21=R16 17B21=R20 17B21=L16 17B21=L20 17B42=16 17B42=20 | Stainless steel | Piece |

(5) Phillips oval countersunk head screw

Reference number 501T7

Technical data

| Article number | for | Head Ø | Length | Material | Quantity unit |
|----------------|------------------|--------|--------|-----------------|---------------|
| 501T7=7.5X9XM5 | System side bars | 7,5 mm | 9 mm | Stainless steel | Piece |

Accessory for 17B42, 17B20, 17B21



System lamination bar

Reference number 17Y128

The system lamination bars are glued with Ottobock special adhesive.

Technical data

| Article number | System width | Length | Thickness | Material | Quantity unit |
|----------------|--------------|--------|-----------|-----------------|---------------|
| 17Y128=16X80 | 16 mm | 80 mm | 4 mm | Stainless steel | Piece |
| 17Y128=20X80 | 20 mm | 80 mm | 4 mm | Stainless steel | Piece |
| 17Y128=16X100 | 16 mm | 100 mm | 4 mm | Stainless steel | Piece |
| 17Y128=20X100 | 20 mm | 100 mm | 4 mm | Stainless steel | Piece |



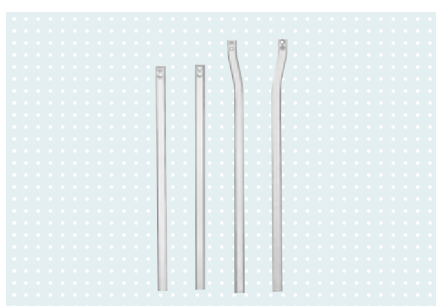
System lamination bar with contoured calf

Reference number 17Y129

The system lamination bars are glued with Ottobock special adhesive.

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17Y129=L16 | left (L) | 16 mm | 100 mm | 4 mm | Piece |
| 17Y129=R16 | right (R) | 16 mm | 100 mm | 4 mm | Piece |
| 17Y129=L20 | left (L) | 20 mm | 100 mm | 4 mm | Piece |
| 17Y129=R20 | right (R) | 20 mm | 100 mm | 4 mm | Piece |



System side bar set

Reference number 17B38

Flat, consisting of two 17B4 and 17B4=T upper side bars and one 17B5 and 17B5=T lower side bar each for the left and right sides, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B38=16 | 16 mm | 4 mm | Set |
| 17B38=16-T | 16 mm | 4 mm | Set |
| 17B38=20 | 20 mm | 4 mm | Set |
| 17B38=20-T | 20 mm | 4 mm | Set |



System side bar set

Reference number 17B39

Consisting of two upper side bars and one left and one right lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B39=16 | 16 mm | 5 mm | Set |
| 17B39=20 | 20 mm | 5 mm | Set |



System side bar set

Reference number 17B85

Concave, consisting of two 17B88 upper side bars and one left and one right 17B89 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B85=16 | 16 mm | 5 mm | Set |
| 17B85=20 | 20 mm | 5 mm | Set |



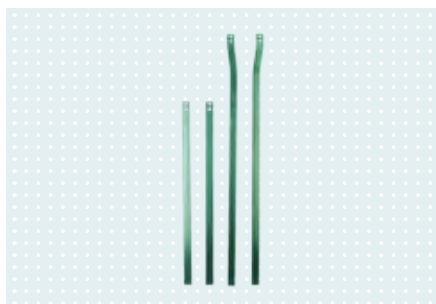
System side bar set, extra long

Reference number 17B41

Consisting of two 17B6 upper side bars and one left and one right 17B104 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B41=16 | 16 mm | 5 mm | Set |
| 17B41=20 | 20 mm | 5 mm | Set |



System side bar set

Reference number 17B40

Overlength, flat, consisting of two 17B4 upper side bars and one left and one right 17B102 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B40=16 | 16 mm | 4 mm | Set |
| 17B40=20 | 20 mm | 4 mm | Set |



System side bar set

Reference number 17B84

Concave, consisting of two 17B86 upper side bars and one left and one right 17B87 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B84=16 | 16 mm | 4 mm | Set |
| 17B84=20 | 20 mm | 4 mm | Set |



System knee joint

Reference number 17B105

Locked knee joint with wedge lock and pull-release cable
Medial joint contoured at the bottom, straight at the top, straight lateral joint with wedge lock and pull-release cable



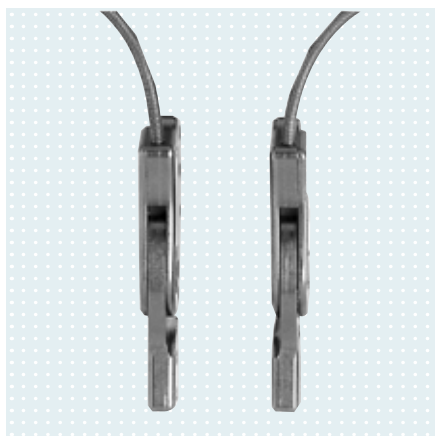
Technical data

| Article number | Side | System width | Length from joint centre upper | Length from joint centre lower | Material | Quantity unit |
|----------------|-----------|--------------|--------------------------------|--------------------------------|----------|---------------|
| 17B105=L16 | left (L) | 16 mm | 45 mm | 41 mm | Titanium | Pair |
| 17B105=R16 | right (R) | 16 mm | 45 mm | 41 mm | Titanium | Pair |
| 17B105=L20 | left (L) | 20 mm | 45 mm | 41 mm | Titanium | Pair |
| 17B105=R20 | right (R) | 20 mm | 45 mm | 41 mm | Titanium | Pair |

Information material

| | |
|-------------------|---------------------------------------|
| 646F596=EN_MASTER | Knee joints overview |
| 647H275 | IFU for 17B105/106 system knee joints |

Patent: WO 99/11206, EP 936891



System knee joint

Reference number 17B106

Locked knee joint with wedge lock and pull-release cable
Straight medial and lateral joints, with wedge lock and pull-release cable



Technical data

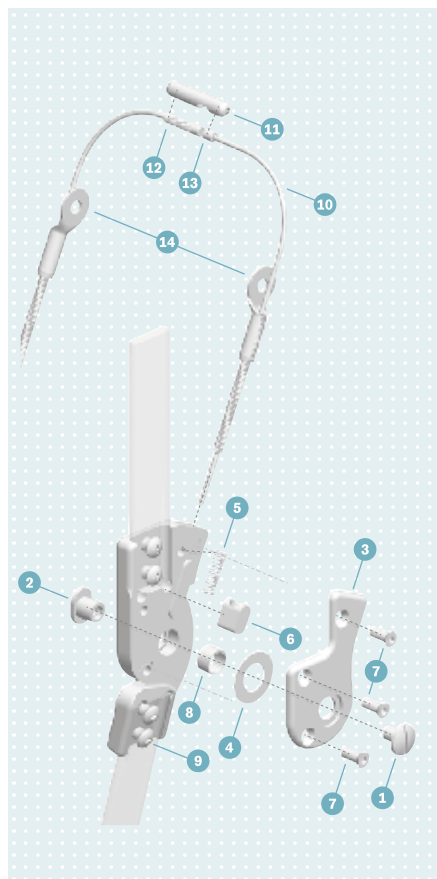
| Article number | System width | Length from joint centre upper | Length from joint centre lower | Material | Quantity unit |
|----------------|--------------|--------------------------------|--------------------------------|----------|---------------|
| 17B106=16 | 16 mm | 45 mm | 41 mm | Titanium | Pair |
| 17B106=20 | 20 mm | 45 mm | 41 mm | Titanium | Pair |

Information material

| | |
|-------------------|---------------------------------------|
| 646F596=EN_MASTER | Knee joints overview |
| 647H275 | IFU for 17B105/106 system knee joints |

Patent: WO 99/11206, EP 936891

Spare parts for 17B105, 17B106



(1) Slotted truss head screw

Reference number 501S32

Technical data

| Article number | Head Ø | Length | Thread | For system width | Material | Quantity unit |
|-----------------|--------|--------|--------|------------------|-----------------|---------------|
| 501S32=M5X10X10 | 10 mm | 10 mm | M5 | 16 mm | Stainless steel | Piece |
| 501S32=M5X12X11 | 12 mm | 11 mm | M5 | 20 mm | Stainless steel | Piece |

(2) Bearing nut, hardened

Reference number 17Y93

Technical data

| Article number | Spare part for | Insertion length | Profile length | Shank length | Thread | Attachment Ø | Quantity unit |
|-----------------|---------------------------------------|------------------|----------------|--------------|--------|--------------|---------------|
| 17Y93=7X8.85XM5 | 17B106=16 17B105=R16 17B105=L16 | | | 8,85 mm | M5 | 7 mm | Piece |
| 17Y93=8X9XM5 | 17B106=20 17B105=L20 17B105=R20 | 7.6 mm | 12 mm | 9 mm | M5 | 8 mm | Piece |

(3) Cover

Reference number 17Y121

Technical data

| Article number | Side | System width | Material | Quantity unit |
|----------------|-----------|--------------|----------|---------------|
| 17Y121=L16 | left (L) | 16 mm | Titanium | Piece |
| 17Y121=R16 | right (R) | 16 mm | Titanium | Piece |
| 17Y121=L20 | left (L) | 20 mm | Titanium | Piece |
| 17Y121=R20 | right (R) | 20 mm | Titanium | Piece |

(4) Bearing washer

Reference number 4Z80

Technical data

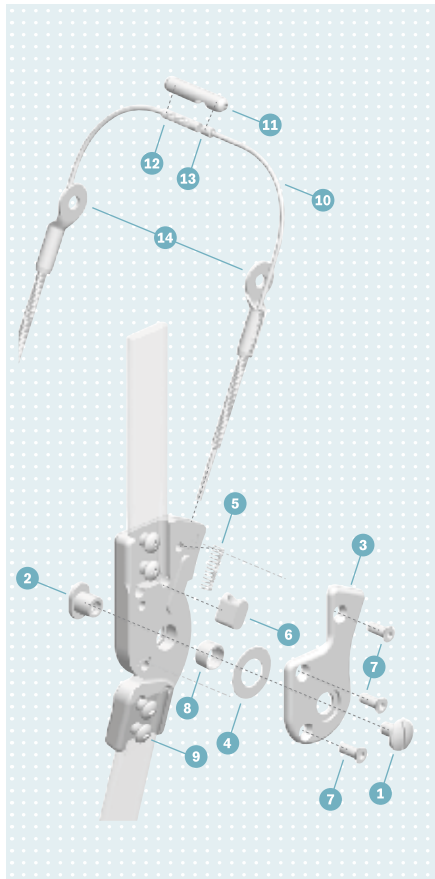
| Article number | For system width | Material | Quantity unit |
|------------------|------------------|-----------|---------------|
| 4Z80=9.2X16X0.2 | 16 mm | Polyamide | Piece |
| 4Z80=10.2X20X0.2 | 20 mm | Polyamide | Piece |

(5) Compression spring

Reference number 513D19

Technical data

| Article number | For system width | Quantity unit |
|------------------|------------------|---------------|
| 513D19=0.63X4X20 | 20 mm | Piece |



(6) Wedge lock, hardened

Reference number 17Y122

Technical data

| Article number | For system width | Quantity unit |
|------------------|------------------|---------------|
| 513D19=0.63X4X20 | 20 mm | Piece |

(7) Flat head screw

Reference number 17Y123

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 17Y123=M4X10 | Piece |

(8) Brass bushing

Reference number 17Y17

Technical data

| Article number | For system width | Material | Quantity unit |
|----------------|------------------|----------|---------------|
| 17Y17=7X9X5.4 | 16 mm | Brass | Piece |
| 17Y17=8X10X5.4 | 20 mm | Brass | Piece |

(9) Phillips oval countersunk head screw

Reference number 501T7

Technical data

| Article number | Head Ø | Thread | Length | Material | Quantity unit |
|----------------|--------|--------|--------|-----------------|---------------|
| 501T7=7.5X9XM5 | 7.5 mm | M5 | 9 mm | Stainless steel | Piece |

(10) Perlon cable

Reference number 21A18

Technical data

| Article number | Diameter | Length | Order unit |
|----------------|----------|--------|---------------|
| 21A18=2X1 | 2 mm | 1 m | linear metres |
| 21A18=2X5 | 2 mm | 5 m | linear metres |
| 21A18=2X10 | 2 mm | 10 m | linear metres |
| 21A18=2X25 | 2 mm | 25 m | linear metres |

(11) Coupling piece

Reference number 21A7

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 21A7 | Piece |

(12) Spring

Reference number 21A25

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 21A25 | Piece |

(13) Threaded sleeve

Reference number 21A12

Technical data

| Article number | Package contents | Quantity unit |
|----------------|------------------|---------------|
| 21A12 | 2 pieces | Piece |

(14) Eyelet cable anchor, large

Reference number 21A5

Technical data

| Article number | Contents | Width | Length | Clear width | Weight |
|----------------|------------|-------|--------|-------------|--------|
| 21A5 | 1 Piece(s) | 15 mm | 35 mm | 5 mm | 4 g |

(15) Lamination dummy

Reference number 17Y126

Technical data

| Article number | For system width | Quantity unit |
|----------------|------------------|---------------|
| 17Y126=16 | 16 mm | Piece |
| 17Y126=20 | 20 mm | Piece |

Accessory for 17B105, 17B106



System lamination bar

Reference number 17Y128

The system lamination bars are glued with Ottobock special adhesive.

Technical data

| Article number | System width | Length | Thickness | Material | Quantity unit |
|----------------|--------------|--------|-----------|-----------------|---------------|
| 17Y128=16X80 | 16 mm | 80 mm | 4 mm | Stainless steel | Piece |
| 17Y128=20X80 | 20 mm | 80 mm | 4 mm | Stainless steel | Piece |
| 17Y128=16X100 | 16 mm | 100 mm | 4 mm | Stainless steel | Piece |
| 17Y128=20X100 | 20 mm | 100 mm | 4 mm | Stainless steel | Piece |



System lamination bar with contoured calf

Reference number 17Y129

The system lamination bars are glued with Ottobock special adhesive.

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17Y129=L16 | left (L) | 16 mm | 100 mm | 4 mm | Piece |
| 17Y129=R16 | right (R) | 16 mm | 100 mm | 4 mm | Piece |
| 17Y129=L20 | left (L) | 20 mm | 100 mm | 4 mm | Piece |
| 17Y129=R20 | right (R) | 20 mm | 100 mm | 4 mm | Piece |



System side bar set

Reference number 17B38

Flat, consisting of two 17B4 and 17B4=T upper side bars and one 17B5 and 17B5=T lower side bar each for the left and right sides, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B38=16 | 16 mm | 4 mm | Set |
| 17B38=16-T | 16 mm | 4 mm | Set |
| 17B38=20 | 20 mm | 4 mm | Set |
| 17B38=20-T | 20 mm | 4 mm | Set |



System side bar set

Reference number 17B39

Consisting of two upper side bars and one left and one right lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B39=16 | 16 mm | 5 mm | Set |
| 17B39=20 | 20 mm | 5 mm | Set |



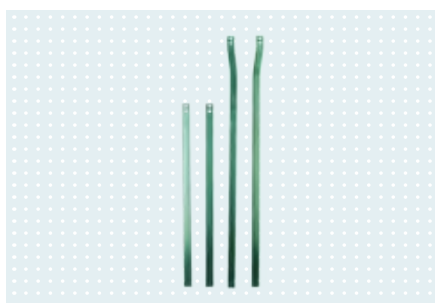
System side bar set

Reference number 17B85

Concave, consisting of two 17B88 upper side bars and one left and one right 17B89 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B85=16 | 16 mm | 5 mm | Set |
| 17B85=20 | 20 mm | 5 mm | Set |



System side bar set

Reference number 17B40

Overlength, flat, consisting of two 17B4 upper side bars and one left and one right 17B102 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B40=16 | 16 mm | 4 mm | Set |
| 17B40=20 | 20 mm | 4 mm | Set |



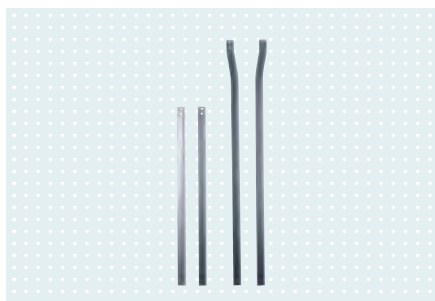
System side bar set

Reference number 17B84

Concave, consisting of two 17B86 upper side bars and one left and one right 17B87 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B84=16 | 16 mm | 4 mm | Set |
| 17B84=20 | 20 mm | 4 mm | Set |



System side bar set, extra long

Reference number 17B41

Consisting of two 17B6 upper side bars and one left and one right 17B104 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B41=16 | 16 mm | 5 mm | Set |
| 17B41=20 | 20 mm | 5 mm | Set |



System knee joint

Reference number 17B95

Locked knee joint with wedge lock and pull-release cable
 With 16mm system width: suitable for body weight up to 50kg
 Medial joint contoured at the bottom and straight at the top, straight lateral joint



Technical data

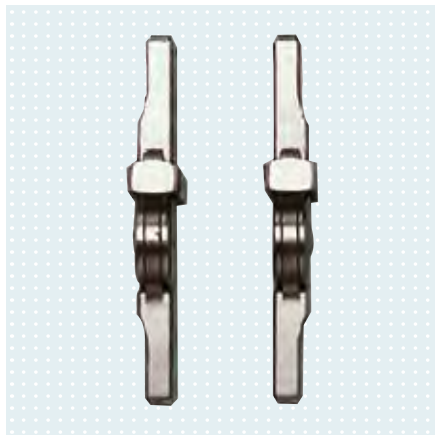
| Article number | Side | System width | Milled head | Length from joint centre upper | Length from joint centre lower | Material | Quantity unit |
|----------------|-----------|--------------|-------------|--------------------------------|--------------------------------|-----------------|---------------|
| 17B95=L16 | left (L) | 16 mm | 23x4 mm | 50 mm | 40 mm | Stainless steel | Pair |
| 17B95=R16 | right (R) | 16 mm | 23x4 mm | 50 mm | 40 mm | Stainless steel | Pair |
| 17B95=L20 | left (L) | 20 mm | 30x5 mm | 58 mm | 42 mm | Stainless steel | Pair |
| 17B95=R20 | right (R) | 20 mm | 30x5 mm | 58 mm | 42 mm | Stainless steel | Pair |

Information material

| | |
|-------------------|------------------------------------|
| 646F596=EN_MASTER | Knee joints overview |
| 647G1536=ALL_INT | 17B95 / 17B96 instructions for use |

i Practical recommendation 17B95

On worn joints, the tolerance can be reduced with the repair bolts. A suitable reamer is usually used for adaptation.



System knee joint

Reference number 17B96

Locked knee joint with wedge lock and pull-release cable
 With 16mm system width: suitable for body weight up to 50kg
 Straight medial and lateral joints



Technical data

| Article number | System width | Milled head | Length from joint centre upper | Length from joint centre lower | Material | Quantity unit |
|----------------|--------------|-------------|--------------------------------|--------------------------------|-----------------|---------------|
| 17B96=16 | 16 mm | 23x4 mm | 50 mm | 40 mm | Stainless steel | Pair |
| 17B96=20 | 20 mm | 30x5 mm | 58 mm | 42 mm | Stainless steel | Pair |

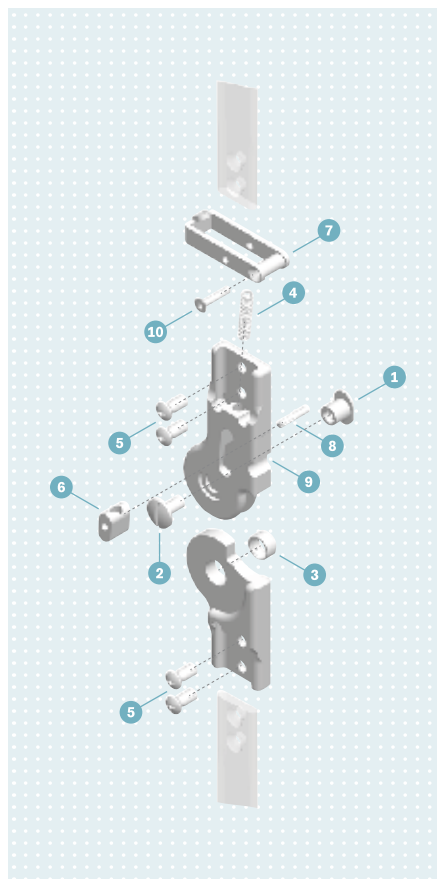
Information material

| | |
|-------------------|------------------------------------|
| 646F596=EN_MASTER | Knee joints overview |
| 647G1536=ALL_INT | 17B95 / 17B96 instructions for use |

i Practical recommendation 17B96

On worn joints, the tolerance can be reduced with the repair bolts. A suitable reamer is usually used for adaptation.

Spare parts for 17B95, 17B96

**(1) Bearing nut, hardened**

Reference number 17Y93

Technical data

| Article number | Spare part for | Insertion length | Profile length | Shank length | Thread | Attachment Ø | Quantity unit |
|------------------|--|------------------|----------------|--------------|--------|--------------|---------------|
| 17Y93=6X7.7XM4 | 17B96=16 17B95=L16 17B95=R16 17B96=20 17B95=L20 17B95=R20 | 6.45 mm | 12 mm | 7.7 mm | M4 | 6 mm | Piece |
| 17Y93=6.5X7.7XM4 | 17B96=16 17B95=L16 17B95=R16 | 6.45 mm | 12 mm | 7.7 mm | M4 | 6.5 mm | Piece |
| 17Y93=8X8.5XM5 | 17B96=20 17B95=L20 17B95=R20 | 7.4 mm | 12 mm | 8.5 mm | M5 | 8 mm | Piece |

(2) Slotted truss head screw

Reference number 501S32

Technical data

| Article number | Head Ø | Length | For system width | Thread | Material | Quantity unit |
|------------------|--------|--------|------------------|--------|-----------------|---------------|
| 501S32=M4X10X9.5 | 10 mm | 9.5 mm | 16 mm | M4 | Stainless steel | Piece |
| 501S32=M5X12X11 | 12 mm | 11 mm | 20 mm | M5 | Stainless steel | Piece |

(3) Brass bushing

Reference number 17Y17

Technical data

| Article number | Material | Quantity unit |
|----------------|----------|---------------|
| 17Y17=8X10X4.8 | Brass | Piece |

(4) Compression spring

Reference number 513D19

Technical data

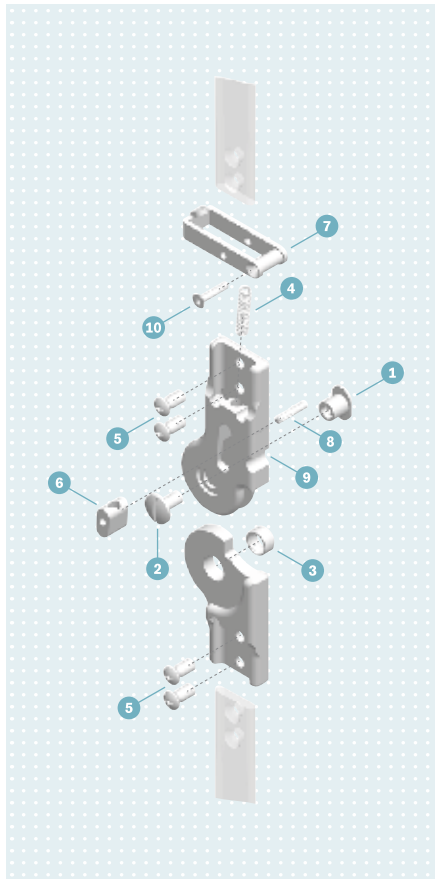
| Article number | For system width | Quantity unit |
|-------------------|------------------|---------------|
| 513D19=0.5X3.3X14 | 16 mm | Piece |
| 513D19=0.63X4X20 | 20 mm | Piece |

(5) Countersunk head screw (allen screw)

Reference number 501S41

Technical data

| Article number | For system width | Quantity unit |
|----------------|------------------|---------------|
| 501S41=M3X12 | 16 mm | Piece |
| 501S41=M3X14 | 20 mm | Piece |



(6) Wedge lock, hardened

Reference number 17Y88

Technical data

| Article number | For system width | Quantity unit |
|----------------|------------------|---------------|
| 17Y88=16 | 16 mm | Piece |
| 17Y88=20 | 20 mm | Piece |

(7) Locking rocker

Reference number 30Z22

Technical data

| Article number | For system width | Material | Quantity unit |
|----------------|------------------|-----------------|---------------|
| 30Z22=L16 | 16 mm | Stainless steel | Piece |
| 30Z22=R16 | 16 mm | Stainless steel | Piece |
| 30Z22=L20 | 20 mm | Stainless steel | Piece |
| 30Z22=R20 | 20 mm | Stainless steel | Piece |

(8) Notch pin for rocking locker

Reference number 506K2

Technical data

| Article number | For system width | Material | Quantity unit |
|----------------|------------------|-----------------|---------------|
| 506K2=3X12 | 16 mm | Stainless steel | Piece |
| 506K2=3X14 | 20 mm | Stainless steel | Piece |

(9) Bushing for rocking locker

Reference number 17Y89

Technical data

| Article number | For system width | Material | Quantity unit |
|----------------|------------------|----------|---------------|
| 17Y89=16 | 16 mm | Brass | Piece |
| 17Y89=20 | 20 mm | Brass | Piece |

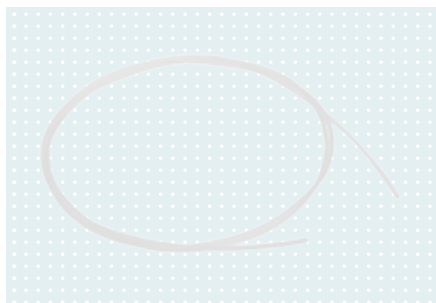
(10) Phillips oval countersunk head screw

Reference number 501T7

Technical data

| Article number | Head Ø | Length | Material | Quantity unit |
|----------------|--------|--------|-----------------|---------------|
| 501T7=7.5X9XM5 | 7.5 mm | 9 mm | Stainless steel | Piece |

Spare parts for pull-release cable



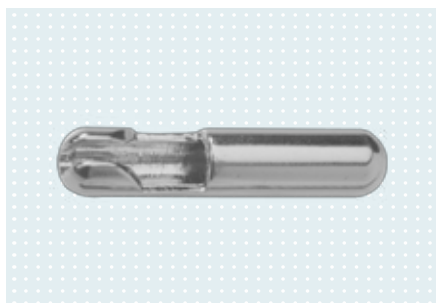
Perlon cable

Reference number 21A18

The perlon cable has a diameter of 2 mm.

Technical data

| Article number | Diameter | Length | Order unit |
|----------------|----------|--------|---------------|
| 21A18=2X1 | 2 mm | 1 m | linear metres |
| 21A18=2X5 | 2 mm | 5 m | linear metres |
| 21A18=2X10 | 2 mm | 10 m | linear metres |
| 21A18=2X25 | 2 mm | 25 m | linear metres |



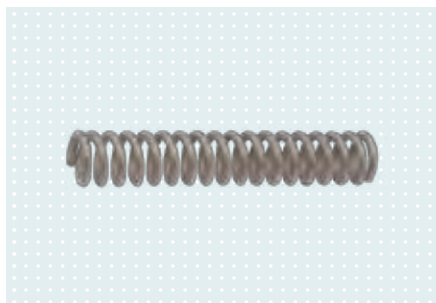
Coupling piece

Reference number 21A7

The coupling piece is used in combination with the Perlon cord.

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 21A7 | Piece |



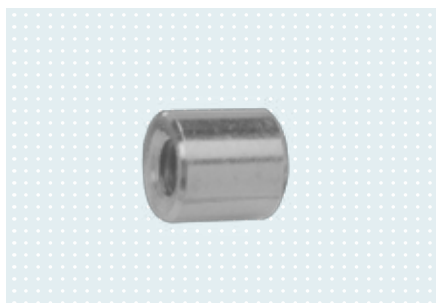
Spring

Reference number 21A25

The spring is used for the coupling piece.

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 21A25 | Piece |



Threaded sleeve

Reference number 21A12

The short threaded sleeve is screwed on the 21A18=2 perlon cable (contents: two pieces).

Technical data

| Article number | Package contents | Quantity unit |
|----------------|------------------|---------------|
| 21A12 | 2 pieces | Piece |

Accessory for 17B95, 17B96



System lamination bar

Reference number 17Y128

The system lamination bars are glued with Ottobock special adhesive.

Technical data

| Article number | System width | Length | Thickness | Material | Quantity unit |
|----------------|--------------|--------|-----------|-----------------|---------------|
| 17Y128=16X80 | 16 mm | 80 mm | 4 mm | Stainless steel | Piece |
| 17Y128=20X80 | 20 mm | 80 mm | 4 mm | Stainless steel | Piece |
| 17Y128=16X100 | 16 mm | 100 mm | 4 mm | Stainless steel | Piece |
| 17Y128=20X100 | 20 mm | 100 mm | 4 mm | Stainless steel | Piece |



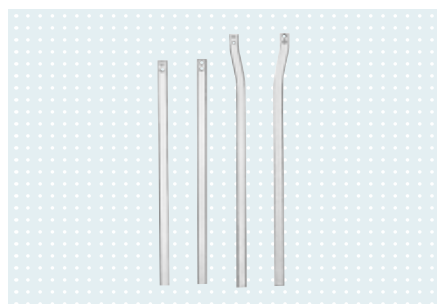
System lamination bar with contoured calf

Reference number 17Y129

The system lamination bars are glued with Ottobock special adhesive.

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17Y129=L16 | left (L) | 16 mm | 100 mm | 4 mm | Piece |
| 17Y129=R16 | right (R) | 16 mm | 100 mm | 4 mm | Piece |
| 17Y129=L20 | left (L) | 20 mm | 100 mm | 4 mm | Piece |
| 17Y129=R20 | right (R) | 20 mm | 100 mm | 4 mm | Piece |



System side bar set

Reference number 17B38

Flat, consisting of two 17B4 and 17B4=T upper side bars and one 17B5 and 17B5=T lower side bar each for the left and right sides, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B38=16 | 16 mm | 4 mm | Set |
| 17B38=16-T | 16 mm | 4 mm | Set |
| 17B38=20 | 20 mm | 4 mm | Set |
| 17B38=20-T | 20 mm | 4 mm | Set |



System side bar set

Reference number 17B39

Consisting of two upper side bars and one left and one right lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B39=16 | 16 mm | 5 mm | Set |
| 17B39=20 | 20 mm | 5 mm | Set |



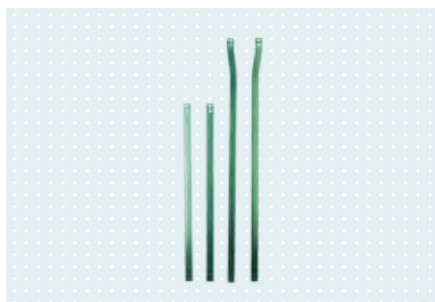
System side bar set

Reference number 17B85

Concave, consisting of two 17B88 upper side bars and one left and one right 17B89 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B85=16 | 16 mm | 5 mm | Set |
| 17B85=20 | 20 mm | 5 mm | Set |



System side bar set

Reference number 17B40

Overlength, flat, consisting of two 17B4 upper side bars and one left and one right 17B102 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B40=16 | 16 mm | 4 mm | Set |
| 17B40=20 | 20 mm | 4 mm | Set |



System side bar set

Reference number 17B84

Concave, consisting of two 17B86 upper side bars and one left and one right 17B87 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B84=16 | 16 mm | 4 mm | Set |
| 17B84=20 | 20 mm | 4 mm | Set |



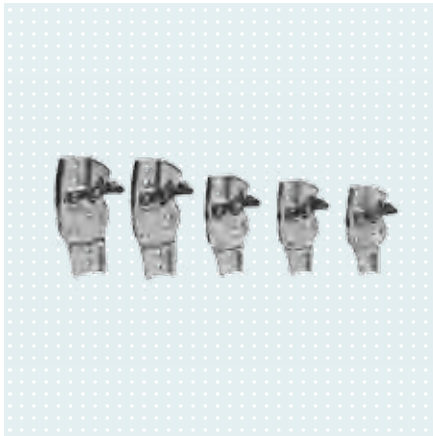
System side bar set, extra long

Reference number 17B41

Consisting of two 17B6 upper side bars and one left and one right 17B104 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B41=16 | 16 mm | 5 mm | Set |
| 17B41=20 | 20 mm | 5 mm | Set |



Unilateral knee joint

Reference number 17LK3

System knee joint with wedge lock



Technical data

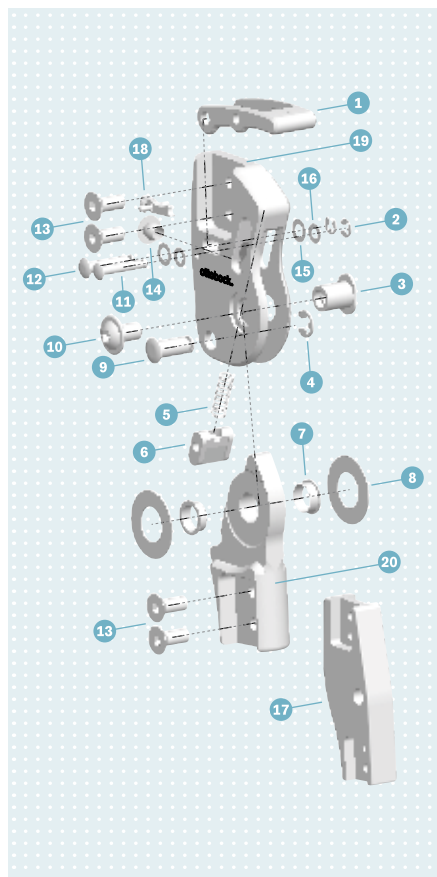
| Article number | Side | System width | Max. body weight | Material | Quantity unit |
|----------------|-----------|--------------|------------------|-----------------|---------------|
| 17LK3=L10 | left (L) | 10 mm | 15 kg / 25 kg* | Stainless steel | Piece |
| 17LK3=R10 | right (R) | 10 mm | 15 kg / 25 kg* | Stainless steel | Piece |
| 17LK3=L10-T | left (L) | 10 mm | 15 kg / 25 kg* | Titanium | Piece |
| 17LK3=R10-T | right (R) | 10 mm | 15 kg / 25 kg* | Titanium | Piece |
| 17LK3=L12 | left (L) | 12 mm | 20 kg / 40 kg* | Stainless steel | Piece |
| 17LK3=R12 | right (R) | 12 mm | 20 kg / 40 kg* | Stainless steel | Piece |
| 17LK3=L12-T | left (L) | 12 mm | 20 kg / 40 kg* | Titanium | Piece |
| 17LK3=R12-T | right (R) | 12 mm | 20 kg / 40 kg* | Titanium | Piece |
| 17LK3=L14 | left (L) | 14 mm | 50 kg / 80 kg* | Stainless steel | Piece |
| 17LK3=R14 | right (R) | 14 mm | 50 kg / 80 kg* | Stainless steel | Piece |
| 17LK3=L14-T | left (L) | 14 mm | 50 kg / 80 kg* | Titanium | Piece |
| 17LK3=R14-T | right (R) | 14 mm | 50 kg / 80 kg* | Titanium | Piece |
| 17LK3=L16 | left (L) | 16 mm | 85 kg / 120 kg* | Stainless steel | Piece |
| 17LK3=R16 | right (R) | 16 mm | 85 kg / 120 kg* | Stainless steel | Piece |
| 17LK3=L16-T | left (L) | 16 mm | 85 kg / 120 kg* | Titanium | Piece |
| 17LK3=R16-T | right (R) | 16 mm | 85 kg / 120 kg* | Titanium | Piece |
| 17LK3=L20 | left (L) | 20 mm | 110 kg / 160 kg* | Stainless steel | Piece |
| 17LK3=R20 | right (R) | 20 mm | 110 kg / 160 kg* | Stainless steel | Piece |
| 17LK3=L20-T | left (L) | 20 mm | 110 kg / 160 kg* | Titanium | Piece |
| 17LK3=R20-T | right (R) | 20 mm | 110 kg / 160 kg* | Titanium | Piece |

Information material

| | |
|-------------------|--|
| 646D789=EN_INT | Unilateral joint system information for practitioners |
| 647F473=EN_INT | Unilateral joint system order form |
| 646F596=EN_MASTER | Knee joints overview |
| 646F464=ALL_INT | KAFO selection guide |
| 646T5441=EN_INT | Technical information – Fabrication of a definitive KAFO |
| 647G975 | 17LK3 instructions for use |

- * with bilateral use
- When using the product unilaterally, and in case of flexion contracture in the knee or hip > 10°, or distinct torsion or valgus/varus instabilities, or valgus/varus malpositions, or increased physical activity, the next higher size must be used!
- Use the product bilaterally if there is any ischial support

Spare parts for 17LK3



(1) Knee lever

Reference number 30Y265

Technical data

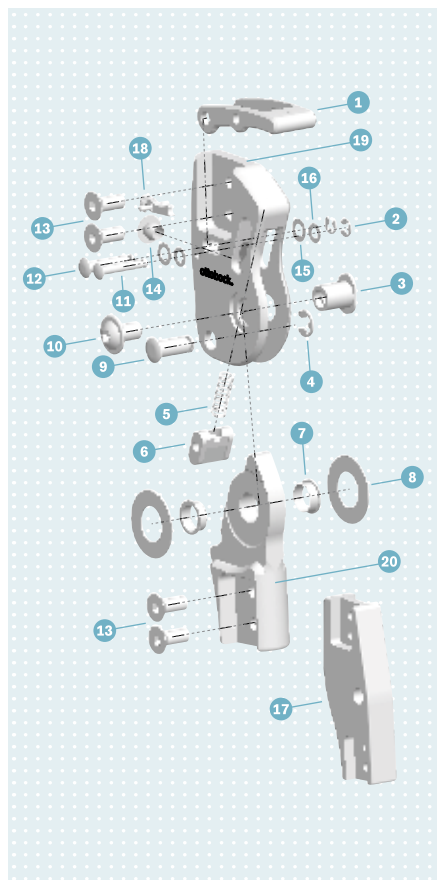
| Article number | Spare part for | Quantity unit |
|----------------|--|---------------|
| 30Y265=12-A | 17LK3=L10 17LK3=L10-T 17LK3=L12 17LK3=L12-T 17LK3=R10 17LK3=R10-T 17LK3=R12 17LK3=R12-T | Piece |
| 30Y265=14-A | 17LK3=L14 17LK3=L14-T 17LK3=R14 17LK3=R14-T | Piece |
| 30Y265=16-A | 17LK3=L16 17LK3=L16-T 17LK3=R16 17LK3=R16-T | Piece |
| 30Y265=20-A | 17LK3=L20 17LK3=L20-T 17LK3=R20 17LK3=R20-T | Piece |

(2) Lock washer

Reference number 507S96

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|--|---------------|
| 507S96=2.3 | 17LK3=L10 17LK3=L10-T 17LK3=L12 17LK3=L12-T 17LK3=L14 17LK3=L14-T 17LK3=L16 17LK3=L16-T 17LK3=L20 17LK3=L20-T 17LK3=R10 17LK3=R10-T 17LK3=R12 17LK3=R12-T 17LK3=R14 17LK3=R14-T 17LK3=R16 17LK3=R16-T 17LK3=R20 17LK3=R20-T | Piece |



(3) Bearing nut, hardened

Reference number 17Y93

Technical data

| Article number | Spare part for | Shank length | Thread | Shoulder Ø | Quantity unit |
|------------------|------------------|--------------|--------|------------|---------------|
| 17Y93=9X9.2XM6 | 17LK3=L10 | 9.2 mm | M6 | 9 mm | Piece |
| | 17LK3=L10-T | | | | |
| | 17LK3=L12 | | | | |
| | 17LK3=L12-T | | | | |
| | 17LK3=L14 | | | | |
| | 17LK3=L14-T | | | | |
| | 17LK3=R10 | | | | |
| | 17LK3=R10-T | | | | |
| | 17LK3=R12 | | | | |
| | 17LK3=R12-T | | | | |
| | 17LK3=R14 | | | | |
| | 17LK3=R14-T | | | | |
| | 17Y93=9X10.75XM6 | | | | |
| 17LK3=L16-T | | | | | |
| 17LK3=R16 | | | | | |
| 17LK3=R16-T | | | | | |
| 17Y93=9X11.75XM6 | 17LK3=L20 | 11.75 mm | M6 | 9 mm | Piece |
| | 17LK3=L20-T | | | | |
| | 17LK3=R20 | | | | |
| | 17LK3=R20-T | | | | |

(4) Lock washer

Reference number 507S96

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|----------------|---------------|
| 507S96=3.2 | 17LK3=L10 | Piece |
| | 17LK3=L10-T | |
| | 17LK3=L12 | |
| | 17LK3=L12-T | |
| | 17LK3=L14 | |
| | 17LK3=L14-T | |
| | 17LK3=R10 | |
| | 17LK3=R10-T | |
| | 17LK3=R12 | |
| | 17LK3=R12-T | |
| | 17LK3=R14 | |
| | 17LK3=R14-T | |
| | 507S96=4 | |
| 17LK3=L16-T | | |
| 17LK3=L20 | | |
| 17LK3=L20-T | | |
| 17LK3=R16 | | |
| 17LK3=R16-T | | |
| 17LK3=R20 | | |
| 17LK3=R20-T | | |

(5) Compression spring

Reference number 513D83

Technical data

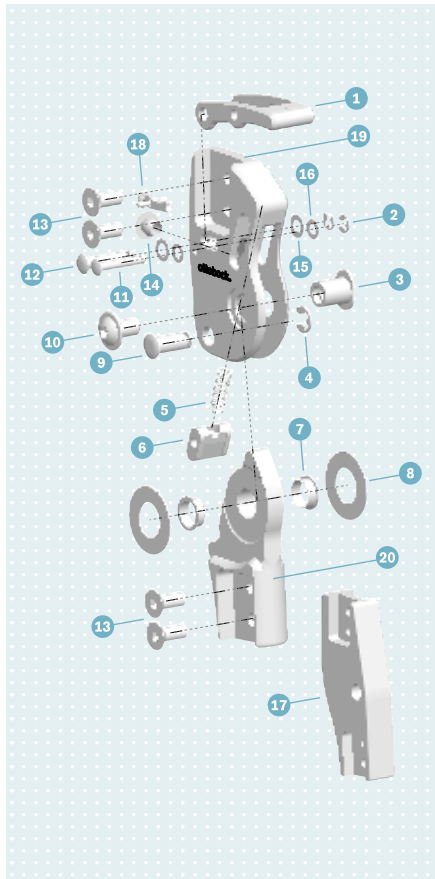
| Article number | Spare part for | Quantity unit |
|--------------------|----------------|---------------|
| 513D83=0.7X4.3X19 | 17LK3=L10 | Piece |
| | 17LK3=L10-T | |
| | 17LK3=L12 | |
| | 17LK3=L12-T | |
| | 17LK3=R10 | |
| | 17LK3=R10-T | |
| | 17LK3=R12 | |
| 513D83=0.75X4.6X20 | 17LK3=L14 | Piece |
| | 17LK3=L14-T | |
| | 17LK3=L16 | |
| | 17LK3=L16-T | |
| | 17LK3=L20 | |
| | 17LK3=L20-T | |
| | 17LK3=R14 | |
| | 17LK3=R14-T | |
| | 17LK3=R16 | |
| | 17LK3=R16-T | |
| | 17LK3=R20 | |
| | 17LK3=R20-T | |

(6) Lock wedge

Reference number 17Y156

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|----------------|---------------|
| 17Y156=1 | 17LK3=L10 | Piece |
| | 17LK3=L10-T | |
| | 17LK3=L12 | |
| | 17LK3=L12-T | |
| | 17LK3=L14 | |
| | 17LK3=L14-T | |
| | 17LK3=R10 | |
| | 17LK3=R10-T | |
| | 17LK3=R12 | |
| | 17LK3=R12-T | |
| | 17LK3=R14 | |
| | 17LK3=R14-T | |
| 17Y156=2 | 17LK3=L10 | Piece |
| | 17LK3=L10-T | |
| | 17LK3=L12 | |
| | 17LK3=L12-T | |
| | 17LK3=L14 | |
| | 17LK3=L14-T | |
| | 17LK3=R10 | |
| | 17LK3=R10-T | |
| | 17LK3=R12 | |
| | 17LK3=R12-T | |
| | 17LK3=R14 | |
| | 17LK3=R14-T | |
| 17Y156=3 | 17LK3=L10 | Piece |
| | 17LK3=L10-T | |
| | 17LK3=L12 | |
| | 17LK3=L12-T | |
| | 17LK3=L14 | |
| | 17LK3=L14-T | |
| | 17LK3=R10 | |
| | 17LK3=R10-T | |
| | 17LK3=R12 | |
| | 17LK3=R12-T | |
| | 17LK3=R14 | |
| | 17LK3=R14-T | |



(6) Lock wedge

Reference number 17Y157

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|--|---------------|
| 17Y157=1 | 17LK3=L16 17LK3=L16-T 17LK3=R16 17LK3=R16-T | Piece |
| 17Y157=2 | 17LK3=L16 17LK3=L16-T 17LK3=R16 17LK3=R16-T | Piece |
| 17Y157=3 | 17LK3=L16 17LK3=L16-T 17LK3=R16 17LK3=R16-T | Piece |

(6) Lock wedge

Reference number 17Y158

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|--|---------------|
| 17Y158=1 | 17LK3=L20 17LK3=L20-T 17LK3=R20 17LK3=R20-T | Piece |
| 17Y158=2 | 17LK3=L20 17LK3=L20-T 17LK3=R20 17LK3=R20-T | Piece |
| 17Y158=3 | 17LK3=L20 17LK3=L20-T 17LK3=R20 17LK3=R20-T | Piece |

(7) Bushing

Reference number 30Y87

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|--|---------------|
| 30Y87=1 | 17LK3=L20 17LK3=L20-T 17LK3=R20 17LK3=R20-T | Piece |
| 30Y87=2 | 17LK3=L16 17LK3=L16-T 17LK3=R16 17LK3=R16-T | Piece |
| 30Y87=3 | 17LK3=L10 17LK3=L10-T 17LK3=L12 17LK3=L12-T 17LK3=L14 17LK3=L14-T 17LK3=R10 17LK3=R10-T 17LK3=R12 17LK3=R12-T 17LK3=R14 17LK3=R14-T | Piece |

(8) Bearing washers

Reference number 170Z93

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|--|---------------|
| 170Z93=1 | 17LK3=L16 17LK3=L16-T 17LK3=L20 17LK3=L20-T 17LK3=R16 17LK3=R16-T 17LK3=R20 17LK3=R20-T | Set |

(9) Axle

Reference number 4A101

Technical data

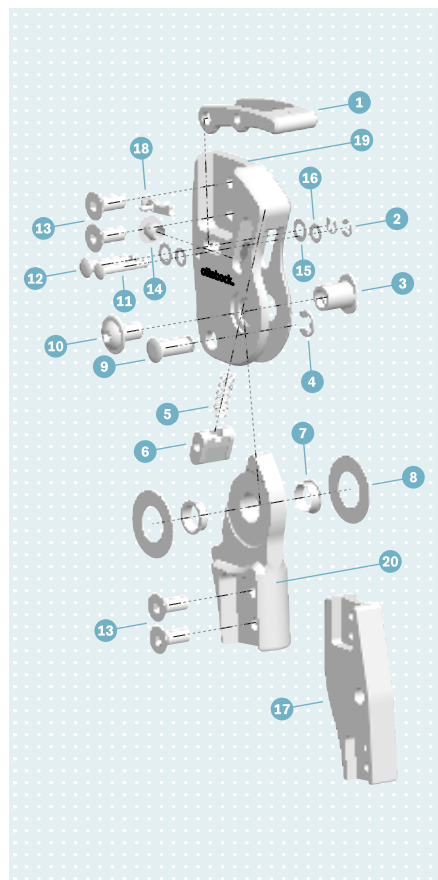
| Article number | Spare part for | Quantity unit |
|----------------|--|---------------|
| 4A101=5X10.6 | 17LK3=L10 17LK3=L10-T 17LK3=L12 17LK3=L12-T 17LK3=L14 17LK3=L14-T 17LK3=R10 17LK3=R10-T 17LK3=R12 17LK3=R12-T 17LK3=R14 17LK3=R14-T | Piece |
| 4A101=6X12.7 | 17LK3=L16 17LK3=L16-T 17LK3=R16 17LK3=R16-T | Piece |
| 4A101=6X13.7 | 17LK3=L20 17LK3=L20-T 17LK3=R20 17LK3=R20-T | Piece |

(10) Screw with flattened half-round head

Reference number 501F9

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|--|---------------|
| 501F9=M6X8 | 17LK3=L10 17LK3=L10-T 17LK3=L12 17LK3=L12-T 17LK3=L14 17LK3=L14-T 17LK3=L16 17LK3=L16-T 17LK3=L20 17LK3=L20-T 17LK3=R10 17LK3=R10-T 17LK3=R12 17LK3=R12-T 17LK3=R14 17LK3=R14-T 17LK3=R16 17LK3=R16-T 17LK3=R20 17LK3=R20-T | Piece |



(11) Axle

Reference number 4A101

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|----------------|---------------|
| 4A101=3.2X15.1 | 17LK3=L10 | Piece |
| | 17LK3=L10-T | |
| | 17LK3=L12 | |
| | 17LK3=L12-T | |
| | 17LK3=L14 | |
| | 17LK3=L14-T | |
| | 17LK3=R10 | |
| | 17LK3=R10-T | |
| | 17LK3=R12 | |
| | 17LK3=R12-T | |
| 4A101=3.2X17.1 | 17LK3=L16 | Piece |
| | 17LK3=L16-T | |
| | 17LK3=R16 | |
| | 17LK3=R16-T | |
| 4A101=3.2X18.1 | 17LK3=L20 | Piece |
| | 17LK3=L20-T | |
| | 17LK3=R20 | |
| | 17LK3=R20-T | |

(12) Axle

Reference number 4A101

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|----------------|---------------|
| 4A101=4X15.1 | 17LK3=L10 | Piece |
| | 17LK3=L10-T | |
| | 17LK3=L12 | |
| | 17LK3=L12-T | |
| | 17LK3=L14 | |
| | 17LK3=L14-T | |
| | 17LK3=R10 | |
| | 17LK3=R10-T | |
| | 17LK3=R12 | |
| | 17LK3=R12-T | |
| 4A101=4X17.1 | 17LK3=L16 | Piece |
| | 17LK3=L16-T | |
| | 17LK3=R16 | |
| | 17LK3=R16-T | |
| 4A101=4X18.1 | 17LK3=L20 | Piece |
| | 17LK3=L20-T | |
| | 17LK3=R20 | |
| | 17LK3=R20-T | |

(13) Countersunk head Torx screw

Reference number 501S137

Technical data

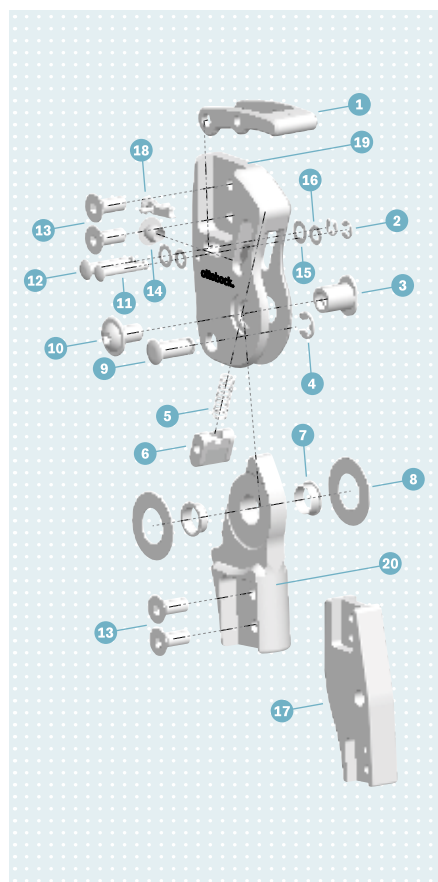
| Article number | Spare part for | Quantity unit |
|-----------------|----------------|---------------|
| 501S137=M4X8 | 17LK3=L10 | Piece |
| | 17LK3=L10-T | |
| | 17LK3=L12 | |
| | 17LK3=L12-T | |
| | 17LK3=R10 | |
| | 17LK3=R10-T | |
| | 17LK3=R12 | |
| | 17LK3=R12-T | |
| 501S137=M4X10-2 | 17LK3=L14 | Piece |
| | 17LK3=L14-T | |
| | 17LK3=R14 | |
| | 17LK3=R14-T | |
| 501S137=M5X10-1 | 17LK3=L16 | Piece |
| | 17LK3=L16-T | |
| | 17LK3=L20 | |
| | 17LK3=L20-T | |
| | 17LK3=R16 | |
| | 17LK3=R16-T | |
| | 17LK3=R20 | |
| | 17LK3=R20-T | |

(14) Protective plug

Reference number 30Y91

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|----------------|---------------|
| 30Y91=1 | 17LK3=L16 | Piece |
| | 17LK3=L16-T | |
| | 17LK3=L20 | |
| | 17LK3=L20-T | |
| | 17LK3=R16 | |
| | 17LK3=R16-T | |
| | 17LK3=R20 | |
| | 17LK3=R20-T | |
| 30Y91=3 | 17LK3=L10 | Piece |
| | 17LK3=L10-T | |
| | 17LK3=L12 | |
| | 17LK3=L12-T | |
| | 17LK3=L14 | |
| | 17LK3=L14-T | |
| | 17LK3=R10 | |
| | 17LK3=R10-T | |
| | 17LK3=R12 | |
| | 17LK3=R12-T | |
| | 17LK3=R14 | |
| | 17LK3=R14-T | |



(15, 16) Washer

Reference number 30Y267

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|----------------|---------------|
| 30Y267=3.3 | 17LK3=L10 | Piece |
| | 17LK3=L10-T | |
| | 17LK3=L12 | |
| | 17LK3=L12-T | |
| | 17LK3=L14 | |
| | 17LK3=L14-T | |
| | 17LK3=L16 | |
| | 17LK3=L16-T | |
| | 17LK3=L20 | |
| | 17LK3=L20-T | |
| | 17LK3=R10 | |
| | 17LK3=R10-T | |
| | 17LK3=R12 | |
| | 17LK3=R12-T | |
| | 17LK3=R14 | |
| | 17LK3=R14-T | |
| | 17LK3=R16 | |
| 17LK3=R16-T | | |
| 17LK3=R20 | | |
| 17LK3=R20-T | | |
| 30Y267=4.2 | 17LK3=L10 | Piece |
| | 17LK3=L10-T | |
| | 17LK3=L12 | |
| | 17LK3=L12-T | |
| | 17LK3=L14 | |
| | 17LK3=L14-T | |
| | 17LK3=L16 | |
| | 17LK3=L16-T | |
| | 17LK3=L20 | |
| | 17LK3=L20-T | |
| | 17LK3=R10 | |
| | 17LK3=R10-T | |
| | 17LK3=R12 | |
| | 17LK3=R12-T | |
| | 17LK3=R14 | |
| | 17LK3=R14-T | |
| | 17LK3=R16 | |
| 17LK3=R16-T | | |
| 17LK3=R20 | | |
| 17LK3=R20-T | | |

(17) Joint dummy

Reference number 30Y268

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|----------------|---------------|
| 30Y268=10 | 17LK3=L10 | Piece |
| | 17LK3=L10-T | |
| | 17LK3=R10 | |
| | 17LK3=R10-T | |
| 30Y268=12 | 17LK3=L12 | Piece |
| | 17LK3=L12-T | |
| | 17LK3=R12 | |
| | 17LK3=R12-T | |
| 30Y268=14 | 17LK3=L14 | Piece |
| | 17LK3=L14-T | |
| | 17LK3=R14 | |
| | 17LK3=R14-T | |
| 30Y268=16 | 17LK3=L16 | Piece |
| | 17LK3=L16-T | |
| | 17LK3=R16 | |
| | 17LK3=R16-T | |
| 30Y268=20 | 17LK3=L20 | Piece |
| | 17LK3=L20-T | |
| | 17LK3=R20 | |
| | 17LK3=R20-T | |

(18) Temporary switch

Reference number 17Y162

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|----------------|---------------|
| 17Y162=3 | 17LK3=L10 | Piece |
| | 17LK3=L10-T | |
| | 17LK3=L12 | |
| | 17LK3=L12-T | |
| | 17LK3=L14 | |
| | 17LK3=L14-T | |
| | 17LK3=R10 | |
| | 17LK3=R10-T | |
| | 17LK3=R12 | |
| | 17LK3=R12-T | |
| | 17LK3=R14 | |
| | 17LK3=R14-T | |
| | 17Y162=2 | |
| 17LK3=L16-T | | |
| 17LK3=R16 | | |
| 17LK3=R16-T | | |
| 17Y162=1 | 17LK3=L20 | Piece |
| | 17LK3=L20-T | |
| | 17LK3=R20 | |
| | 17LK3=R20-T | |

(19) Knee joint, upper part

Reference number 30X94

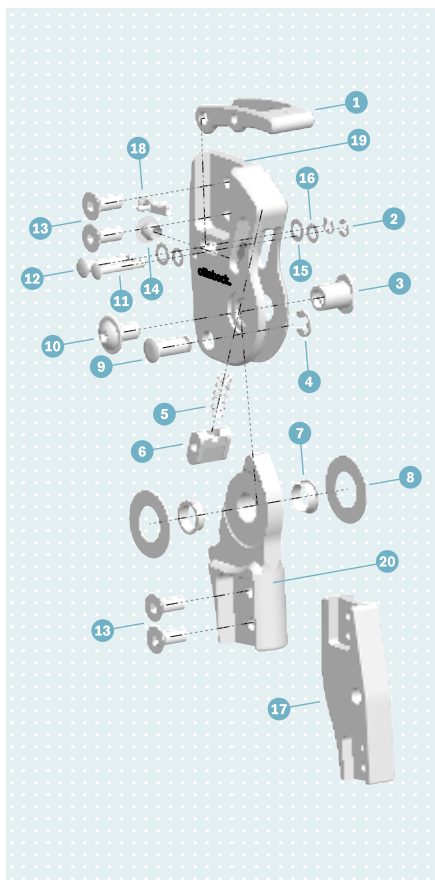
Technical data

| Article number | Spare part for | Side | Quantity unit |
|----------------|----------------|-----------|---------------|
| 30X94=L10 | 17LK3=L10 | left (L) | Piece |
| 30X94=R10 | 17LK3=R10 | right (R) | Piece |
| 30X94=L10-T | 17LK3=L10-T | left (L) | Piece |
| 30X94=R10-T | 17LK3=R10-T | right (R) | Piece |
| 30X94=L12 | 17LK3=L12 | left (L) | Piece |
| 30X94=R12 | 17LK3=R12 | right (R) | Piece |
| 30X94=L12-T | 17LK3=L12-T | left (L) | Piece |
| 30X94=R12-T | 17LK3=R12-T | right (R) | Piece |
| 30X94=R14 | 17LK3=R14 | right (R) | Piece |
| 30X94=L14-T | 17LK3=L14-T | left (L) | Piece |
| 30X94=R14-T | 17LK3=R14-T | right (R) | Piece |
| 30X94=L16 | 17LK3=L16 | left (L) | Piece |
| 30X94=R16 | 17LK3=R16 | right (R) | Piece |
| 30X94=L16-T | 17LK3=L16-T | left (L) | Piece |
| 30X94=R16-T | 17LK3=R16-T | right (R) | Piece |
| 30X94=L20 | 17LK3=L20 | left (L) | Piece |
| 30X94=R20 | 17LK3=R20 | right (R) | Piece |
| 30X94=L20-T | 17LK3=L20-T | left (L) | Piece |
| 30X94=R20-T | 17LK3=R20-T | right (R) | Piece |

(20) Knee joint, lower part

Reference number 30U132

Technical data



| Article number | Spare part for | Side | Quantity unit |
|----------------|----------------|-----------|---------------|
| 30U132=L10 | 17LK3=L10 | left (L) | Piece |
| 30U132=R10 | 17LK3=R10 | right (R) | Piece |
| 30U132=L10-T | 17LK3=L10-T | left (L) | Piece |
| 30U132=R10-T | 17LK3=R10-T | right (R) | Piece |
| 30U132=L12 | 17LK3=L12 | left (L) | Piece |
| 30U132=R12 | 17LK3=R12 | right (R) | Piece |
| 30U132=L12-T | 17LK3=L12-T | left (L) | Piece |
| 30U132=R12-T | 17LK3=R12-T | right (R) | Piece |
| 30U132=L14 | 17LK3=L14 | left (L) | Piece |
| 30U132=R14 | 17LK3=R14 | right (R) | Piece |
| 30U132=L14-T | 17LK3=L14-T | left (L) | Piece |
| 30U132=R14-T | 17LK3=R14-T | right (R) | Piece |
| 30U132=L16 | 17LK3=L16 | left (L) | Piece |
| 30U132=R16 | 17LK3=R16 | right (R) | Piece |
| 30U132=L16-T | 17LK3=L16-T | left (L) | Piece |
| 30U132=R16-T | 17LK3=R16-T | right (R) | Piece |
| 30U132=L20 | 17LK3=L20 | left (L) | Piece |
| 30U132=R20 | 17LK3=R20 | right (R) | Piece |
| 30U132=L20-T | 17LK3=L20-T | left (L) | Piece |
| 30U132=R20-T | 17LK3=R20-T | right (R) | Piece |



Perlon cable 0.

Reference number 21A45

Technical data

| Article number | Spare part for |
|----------------|----------------|
| 21A45=0.60 | 17LK3=L10 |
| | 17LK3=L10-T |
| | 17LK3=L12 |
| | 17LK3=L12-T |
| | 17LK3=L14 |
| | 17LK3=L14-T |
| | 17LK3=L16 |
| | 17LK3=L16-T |
| | 17LK3=L20 |
| | 17LK3=L20-T |
| | 17LK3=R10 |
| | 17LK3=R10-T |
| | 17LK3=R12 |
| | 17LK3=R12-T |
| | 17LK3=R14 |
| | 17LK3=R14-T |
| | 17LK3=R16 |
| | 17LK3=R16-T |
| | 17LK3=R20 |
| | 17LK3=R20-T |



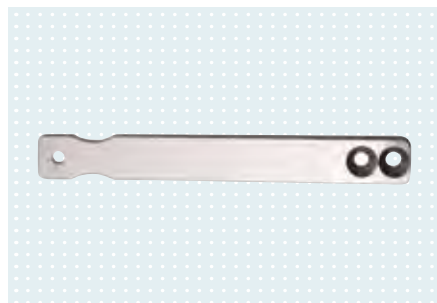
Threaded sleeve

Reference number 21A12

Technical data

| Article number | Package contents | Quantity unit |
|----------------|------------------|---------------|
| 21A12 | 2 pieces | Piece |

Accessory for 17LK3



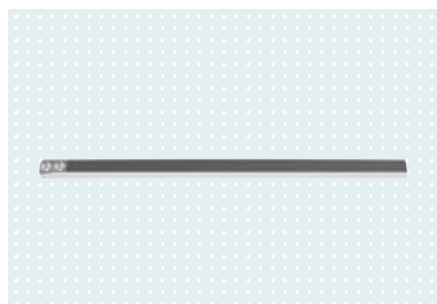
Lamination bar

Reference number 17LS3



Technical data

| Article number | Length | Width | Thickness | Material | Quantity unit |
|----------------|--------|-------|------------------------|-----------------|---------------|
| 17LS3=10 | 80 mm | 10 mm | 5 mm bottom/3 mm top | Stainless steel | Piece |
| 17LS3=10-T | 80 mm | 10 mm | 5 mm bottom/3 mm top | Titanium | Piece |
| 17LS3=12-T | 80 mm | 12 mm | 5 mm bottom/3 mm top | Titanium | Piece |
| 17LS3=14 | 100 mm | 14 mm | 6 mm bottom/2.5 mm top | Stainless steel | Piece |
| 17LS3=14-T | 100 mm | 14 mm | 6 mm bottom/2.5 mm top | Titanium | Piece |
| 17LS3=16-T | 130 mm | 16 mm | 6 mm bottom/3 mm top | Titanium | Piece |
| 17LS3=20 | 130 mm | 20 mm | 6 mm bottom/3 mm top | Stainless steel | Piece |
| 17LS3=20-T | 130 mm | 20 mm | 6 mm bottom, 3 mm top | Titanium | Piece |



Side bar

Reference number 17LV3

Side bar for the unilateral joint system

Technical data

| Article number | Width | Material | Quantity unit |
|----------------|-------|-----------------|---------------|
| 17LV3=10 | 10 mm | Stainless steel | Piece |
| 17LV3=12 | 12 mm | Stainless steel | Piece |
| 17LV3=14 | 14 mm | Stainless steel | Piece |
| 17LV3=16 | 16 mm | Stainless steel | Piece |
| 17LV3=20 | 20 mm | Stainless steel | Piece |
| 17LV3=L-16 | 16 mm | Stainless steel | Piece |
| 17LV3=L-20 | 20 mm | Stainless steel | Piece |
| 17LV3=R-16 | 16 mm | Stainless steel | Piece |
| 17LV3=R-20 | 20 mm | Stainless steel | Piece |

Locked knee joints – System joints – Wedge lock – Order form unilateral joint system

| | | | |
|--------------|----------------------|-----------|----------------------|
| Company | <input type="text"/> | Date | <input type="text"/> |
| Technician | <input type="text"/> | Signature | <input type="text"/> |
| Customer no. | <input type="text"/> | | |

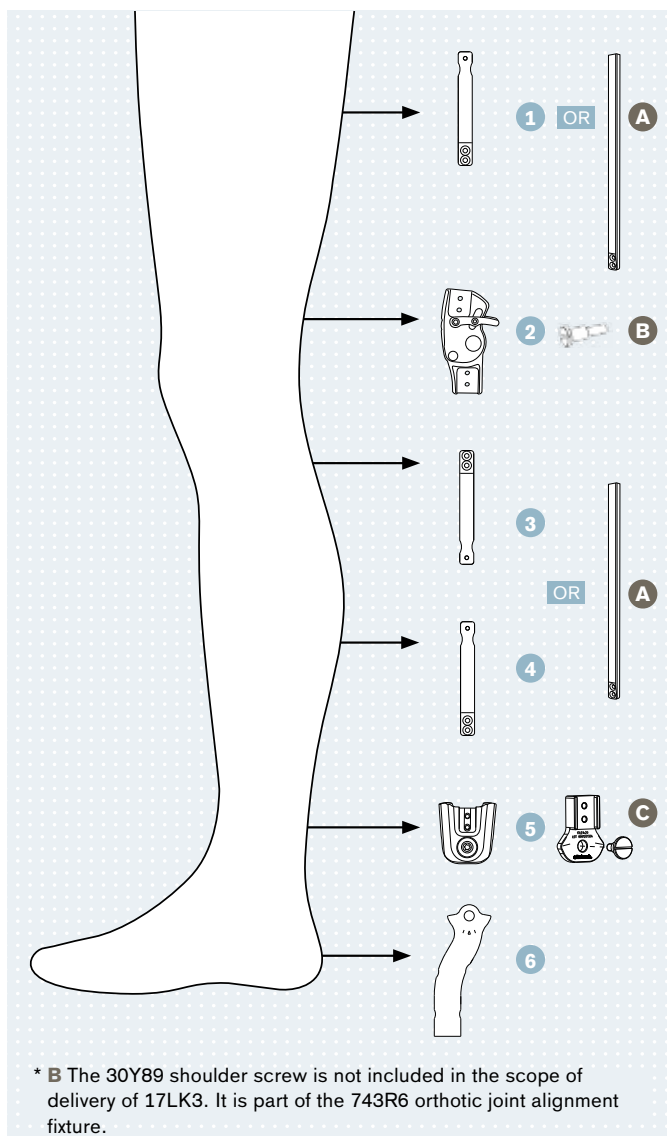
User information

Surname, first name Weight

Age Indication

Side Left Right Bilateral

The size chosen depends on the patient's weight and the conditions of use.



* **B** The 30Y89 shoulder screw is not included in the scope of delivery of 17LK3. It is part of the 743R6 orthotic joint alignment fixture.

| 1 Lamination bar 17LS3=* OR | | A Extension bar 17LV3=* | |
|-----------------------------------|-------------------------------------|-----------------------------------|--|
| Steel version | Titanium version | Steel version | |
| <input type="checkbox"/> 17LS3=10 | <input type="checkbox"/> 17LS3=10-T | <input type="checkbox"/> 17LV3=10 | |
| <input type="checkbox"/> 17LS3=12 | <input type="checkbox"/> 17LS3=12-T | <input type="checkbox"/> 17LV3=12 | |
| <input type="checkbox"/> 17LS3=14 | <input type="checkbox"/> 17LS3=14-T | <input type="checkbox"/> 17LV3=14 | |
| <input type="checkbox"/> 17LS3=16 | <input type="checkbox"/> 17LS3=16-T | <input type="checkbox"/> 17LV3=16 | |
| <input type="checkbox"/> 17LS3=20 | <input type="checkbox"/> 17LS3=20-T | <input type="checkbox"/> 17LV3=20 | |

| 2 Unilateral Knee Joint 17LK3=* | | Side | B Shoulder screw* |
|-----------------------------------|-------------------------------------|---|--------------------------------|
| Steel version | Titanium version | L R | |
| <input type="checkbox"/> 17LK3=12 | <input type="checkbox"/> 17LK3=12-T | <input type="checkbox"/> L <input type="checkbox"/> R | <input type="checkbox"/> 30Y89 |
| <input type="checkbox"/> 17LK3=14 | <input type="checkbox"/> 17LK3=14-T | <input type="checkbox"/> L <input type="checkbox"/> R | <input type="checkbox"/> 30Y89 |
| <input type="checkbox"/> 17LK3=16 | <input type="checkbox"/> 17LK3=16-T | <input type="checkbox"/> L <input type="checkbox"/> R | <input type="checkbox"/> 30Y89 |
| <input type="checkbox"/> 17LK3=20 | <input type="checkbox"/> 17LK3=20-T | <input type="checkbox"/> L <input type="checkbox"/> R | <input type="checkbox"/> 30Y89 |

| 3, 4 Lamination bar 17LS3=* OR | | A Extension bar 17LV3=* | |
|-----------------------------------|-------------------------------------|-----------------------------------|--|
| Steel version | Titanium version | Steel version | |
| <input type="checkbox"/> 17LS3=10 | <input type="checkbox"/> 17LS3=10-T | <input type="checkbox"/> 17LV3=10 | |
| <input type="checkbox"/> 17LS3=12 | <input type="checkbox"/> 17LS3=12-T | <input type="checkbox"/> 17LV3=12 | |
| <input type="checkbox"/> 17LS3=14 | <input type="checkbox"/> 17LS3=14-T | <input type="checkbox"/> 17LV3=14 | |
| <input type="checkbox"/> 17LS3=16 | <input type="checkbox"/> 17LS3=16-T | <input type="checkbox"/> 17LV3=16 | |
| <input type="checkbox"/> 17LS3=20 | <input type="checkbox"/> 17LS3=20-T | <input type="checkbox"/> 17LV3=20 | |

| 5 Unilateral Ankle Joint 17LA3N=* | | C Optional lamination dummy with shoulder screw |
|------------------------------------|--------------------------------------|---|
| Steel version | Titanium version | |
| <input type="checkbox"/> 17LA3N=10 | <input type="checkbox"/> 17LA3N=10-T | <input type="checkbox"/> 17LD1N=10 |
| <input type="checkbox"/> 17LA3N=12 | <input type="checkbox"/> 17LA3N=12-T | <input type="checkbox"/> 17LD1N=12 |
| <input type="checkbox"/> 17LA3N=14 | <input type="checkbox"/> 17LA3N=14-T | <input type="checkbox"/> 17LD1N=14 |
| <input type="checkbox"/> 17LA3N=16 | <input type="checkbox"/> 17LA3N=16-T | <input type="checkbox"/> 17LD1N=16 |
| <input type="checkbox"/> 17LA3N=20 | <input type="checkbox"/> 17LA3N=20-T | <input type="checkbox"/> 17LD1N=20 |

| 6 Foot stirrup (Steel) 17LF3N=* | | |
|------------------------------------|------------------------------------|------------------------------------|
| <input type="checkbox"/> 17LF3N=10 | <input type="checkbox"/> 17LF3N=14 | <input type="checkbox"/> 17LF3N=20 |
| <input type="checkbox"/> 17LF3N=12 | <input type="checkbox"/> 17LF3N=16 | |

KAFO/KO

Locked knee joints – System joints – Wedge lock



CarbonIQ knee joint

Reference number 17PK1

The 17PK1=* knee joint is a locked joint made of fibre-reinforced plastic with a pull-release cable. The locking system uses the latest technology for locked joints and offers a high level of security. It can be unlocked with one hand using the pull-release cable, making it very simple to use. The lock in the joint clicks into place automatically when standing up, without the risk of trapping clothes. Medial and lateral joints are straight.



Information material

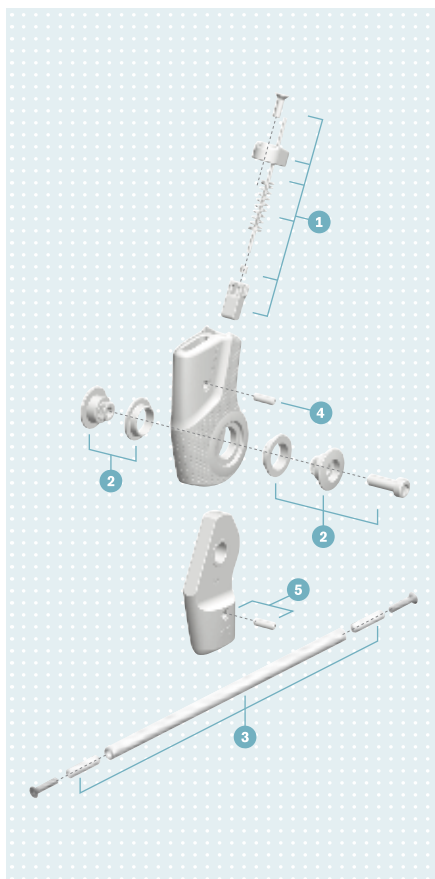
| | |
|-------------------|--|
| 646D578=EN_MASTER | 17PK1/17PA1 information for practitioners |
| 646T5=4.6EN | TI fabrication of a knee-ankle-foot orthosis using thermoplastic technology with CarbonIQ joint system |
| 647G642=ALL_INT | 17PK1 instructions for use |

Technical data

| Article number | Side | Max. body weight | Quantity unit |
|----------------|-------------|------------------|---------------|
| 17PK1=14 | left, right | 45 kg | Pair |
| 17PK1=20 | left, right | 100 kg | Pair |

- Attention: For waterproof walking aids, use the waterproof versions of the CarbonIQ joints (see Waterproof walking aids section).

Spare parts for 17PK1=14



(1) Service set

Reference number 29PK1

Technical data

| Article number | Scope of delivery | Quantity unit |
|----------------|--|---------------|
| 29PK1=14 | 21A18=2 21A12 30Y286 30Y287 513D30=0.53X4.97X2 501S146=3.0X12 | Set |

(2) Service set

Reference number 29PK2

Technical data

| Article number | Scope of delivery | Quantity unit |
|----------------|--|---------------|
| 29PK2=14 | 501S84=M5X20 509G10=14X16X4.7 30Y288 30Y285 | Set |

(3) Adjustment aid

Reference number 29PK4

Technical data

| Article number | Scope of delivery | Quantity unit |
|----------------|---|---------------|
| 29PK4=14 | 1x flat head screw 1x paralleling tool 1x parallel retainer adapter | Set |

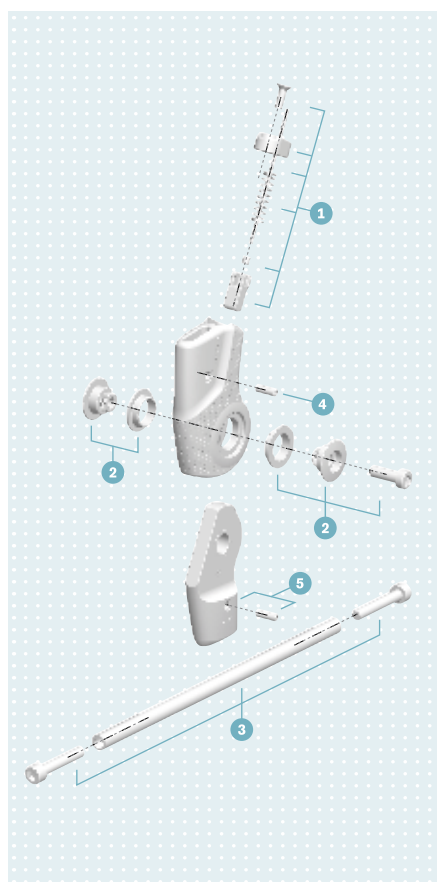
(4, 5) Set screw

Reference number 506G21

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 506G21=M4X12 | Piece |

Spare parts for 17PK1=20



(1) Service set

Reference number 29PK1

Technical data

| Article number | Scope of delivery | Quantity unit |
|----------------|--|---------------|
| 29PK1 | 21A18=2 513D52=1 21A12 30Y206 30Y207 501S146=4,0X12 | Set |

(2) Service set

Reference number 29PK2

Technical data

| Article number | Scope of delivery | Quantity unit |
|----------------|--|---------------|
| 29PK2 | 501T39=M6X18 509G10=14X16X5 30Y209 30Y210 | Set |

(3) Adjustment aid

Reference number 29PK4

Technical data

| Article number | Scope of delivery | Quantity unit |
|----------------|-------------------------------------|---------------|
| 29PK4 | 1x cap screw 1x paralleling tool | Set |

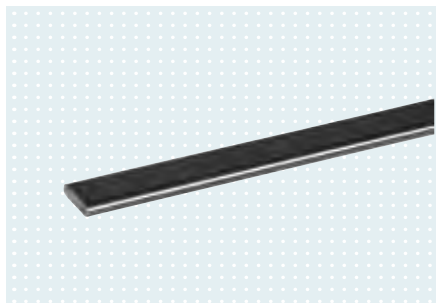
(4, 5) Set screw

Reference number 506G3

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 506G3=M4X12 | Piece |

Accessory for 17PK1



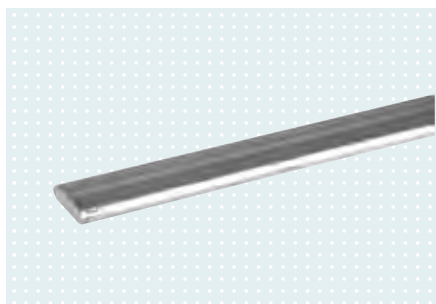
Stainless steel profile rod

Reference number 651P4

Suitable for fabricating system bars, with rounded edges, strength of approx. 800–950 N/mm², spot weldable

Technical data

| Article number | Length | Width | Thickness |
|----------------|----------|-------|-----------|
| 651P4=20 | 2,000 mm | 20 mm | 4 mm |



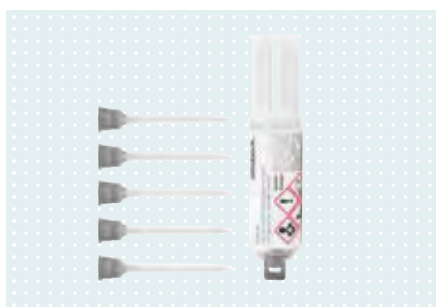
Light metal profile bar

Reference number 605P8

Suitable for fabricating system splints, with rounded edges, strength approx. 400 N/mm²

Technical data

| Article number | Length | Width |
|----------------|---------|-------|
| 605P8=14 | 1000 mm | 14 mm |



special adhesive cartridge A and B

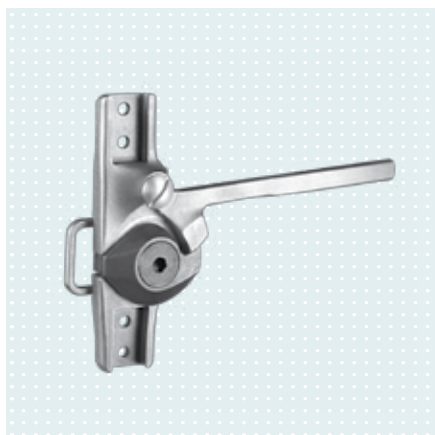
Reference number 636W28

to glue the side bars



Technical data

| Article number | Net contents | Package contents |
|----------------|---------------------------------------|---|
| 636W28 | 12.5 ml adhesive and 12.5 ml hardener | 1 cartridge, 1 piston and 5 static mixers |



System knee joint

Reference number 17B44

Locked knee joint with adjustable Swiss lock for positioning orthoses
Flexion angle adjustment up to max. 16° knee flexion and 100 kg body weight possible in gait orthoses
Contoured medial joint, straight lateral joint, Swiss lock with flexion adjustment



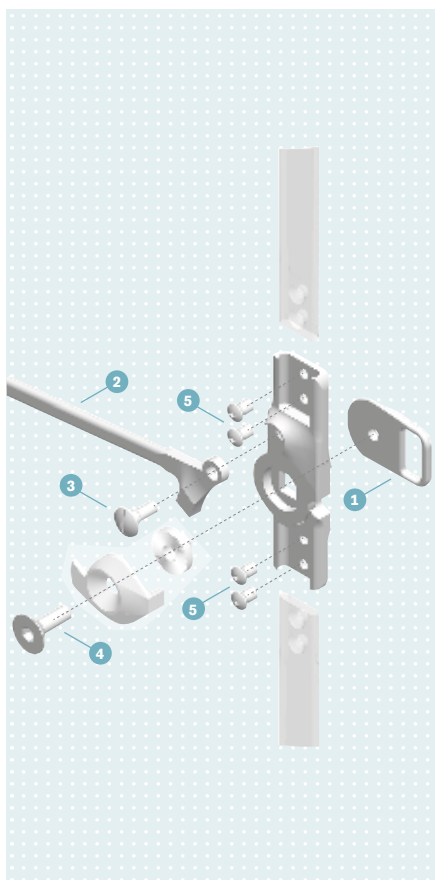
Technical data

| Article number | Side | System width | Length from joint centre upper | Length from joint centre lower | Material | Quantity unit |
|----------------|-----------|--------------|--------------------------------|--------------------------------|-----------------|---------------|
| 17B44=L16 | left (L) | 16 mm | 56 mm | 38 mm | Stainless steel | Pair |
| 17B44=R16 | right (R) | 16 mm | 56 mm | 38 mm | Stainless steel | Pair |
| 17B44=L20 | left (L) | 20 mm | 56 mm | 38 mm | Stainless steel | Pair |
| 17B44=R20 | right (R) | 20 mm | 56 mm | 38 mm | Stainless steel | Pair |

Information material

| | |
|-------------------|----------------------------|
| 646F596=EN_MASTER | Knee joints overview |
| 647G43 | 17B44 instructions for use |

Spare parts for 17B44



(1) Knee cap ring plate

Reference number 17Y56

Technical data

| Article number | Side | For system width | Material | Quantity unit |
|----------------|-----------|------------------|-----------------|---------------|
| 17Y56=L | left (L) | 16 and 20 mm | Stainless steel | Piece |
| 17Y56=R | right (R) | 16 and 20 mm | Stainless steel | Piece |

(2) Lock lever

Reference number 17Y57

Technical data

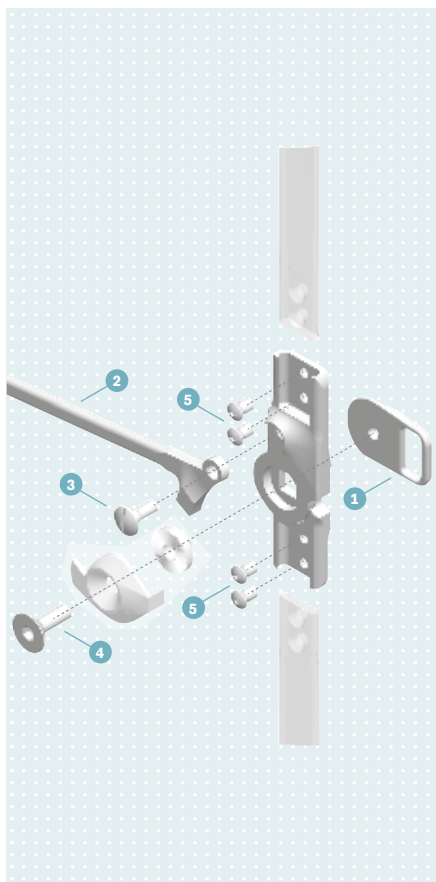
| Article number | Side | For system width | Material | Quantity unit |
|----------------|-----------|------------------|-----------------|---------------|
| 17Y57=L | left (L) | 16 and 20 mm | Stainless steel | Piece |
| 17Y57=R | right (R) | 16 and 20 mm | Stainless steel | Piece |

(3) Oval head screw

Reference number 501A23

Technical data

| Article number | Material | Quantity unit |
|----------------|-----------------|---------------|
| 501A23 | Stainless steel | Piece |



(4) Countersunk allen head screw

Reference number 501S55

Technical data

| Article number | Quantity unit |
|-----------------|---------------|
| 501S55=M6X20X16 | Piece |

(5) Phillips oval countersunk head screw

Reference number 501T7

Technical data

| Article number | for | Head Ø | Length | Material | Quantity unit |
|----------------|------------------|--------|--------|-----------------|---------------|
| 501T7=7.5X9XM5 | System side bars | 7.5 mm | 9 mm | Stainless steel | Piece |

Accessory for 17B44



System lamination bar

Reference number 17Y128

The system lamination bars are glued with Ottobock special adhesive.

Technical data

| Article number | System width | Length | Thickness | Material | Quantity unit |
|----------------|--------------|--------|-----------|-----------------|---------------|
| 17Y128=16X80 | 16 mm | 80 mm | 4 mm | Stainless steel | Piece |
| 17Y128=20X80 | 20 mm | 80 mm | 4 mm | Stainless steel | Piece |
| 17Y128=16X100 | 16 mm | 100 mm | 4 mm | Stainless steel | Piece |
| 17Y128=20X100 | 20 mm | 100 mm | 4 mm | Stainless steel | Piece |



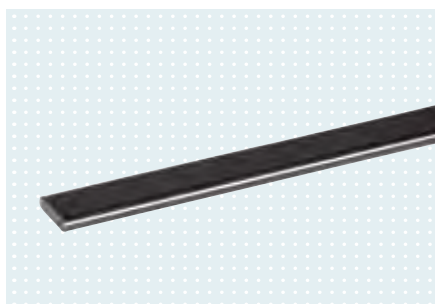
System lamination bar with contoured calf

Reference number 17Y129

The system lamination bars are glued with Ottobock special adhesive.

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17Y129=L16 | left (L) | 16 mm | 100 mm | 4 mm | Piece |
| 17Y129=R16 | right (R) | 16 mm | 100 mm | 4 mm | Piece |
| 17Y129=L20 | left (L) | 20 mm | 100 mm | 4 mm | Piece |
| 17Y129=R20 | right (R) | 20 mm | 100 mm | 4 mm | Piece |



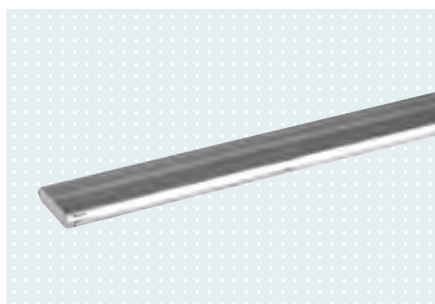
Stainless steel profile rod

Reference number 651P4

Suitable for fabricating system bars, with rounded edges, strength of approx. 800–950 N/mm², spot weldable

Technical data

| Article number | Length | Width | Thickness |
|----------------|----------|-------|-----------|
| 651P4=16 | 2,000 mm | 16 mm | 4 mm |
| 651P4=20 | 2,000 mm | 20 mm | 4 mm |



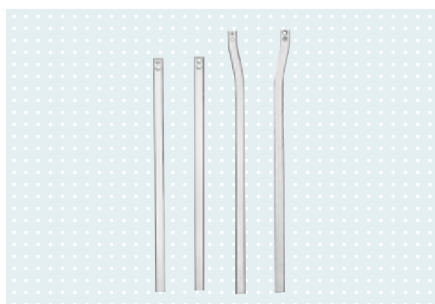
Light metal profile bar

Reference number 605P8

Suitable for fabricating system splints, with rounded edges, strength approx. 400 N/mm²

Technical data

| Article number | Length | Width | Thickness |
|----------------|----------|-------|-----------|
| 605P8=16 | 2,000 mm | 16 mm | |
| 605P8=20 | 2,000 mm | 20 mm | |



System side bar set

Reference number 17B38

Flat, consisting of two 17B4 and 17B4=T upper side bars and one 17B5 and 17B5=T lower side bar each for the left and right sides, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B38=16 | 16 mm | 4 mm | Set |
| 17B38=16-T | 16 mm | 4 mm | Set |
| 17B38=20 | 20 mm | 4 mm | Set |
| 17B38=20-T | 20 mm | 4 mm | Set |



System side bar set

Reference number 17B39

Consisting of two upper side bars and one left and one right lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B39=16 | 16 mm | 5 mm | Set |
| 17B39=20 | 20 mm | 5 mm | Set |



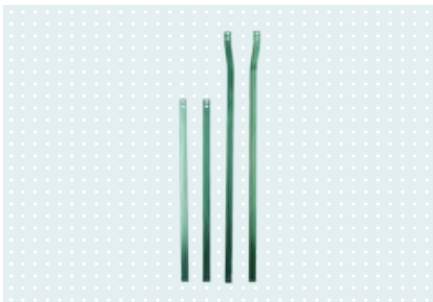
System side bar set

Reference number 17B85

Concave, consisting of two 17B88 upper side bars and one left and one right 17B89 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B85=16 | 16 mm | 5 mm | Set |
| 17B85=20 | 20 mm | 5 mm | Set |



System side bar set

Reference number 17B40

Overlength, flat, consisting of two 17B4 upper side bars and one left and one right 17B102 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B40=16 | 16 mm | 4 mm | Set |
| 17B40=20 | 20 mm | 4 mm | Set |



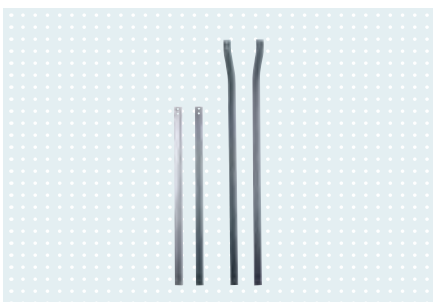
System side bar set

Reference number 17B84

Concave, consisting of two 17B86 upper side bars and one left and one right 17B87 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B84=16 | 16 mm | 4 mm | Set |
| 17B84=20 | 20 mm | 4 mm | Set |



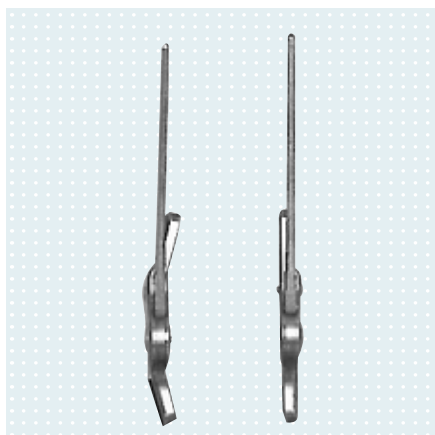
System side bar set, extra long

Reference number 17B41

Consisting of two 17B6 upper side bars and one left and one right 17B104 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B41=16 | 16 mm | 5 mm | Set |
| 17B41=20 | 20 mm | 5 mm | Set |



System knee joint

Reference number 17B23

Contoured medial joint, straight lateral joint, with centrally* fitted covered lock, lock lever points upwards



Technical data

| Article number | Side | System width | Length from joint centre upper | Length from joint centre lower | Material | Quantity unit |
|----------------|-----------|--------------|--------------------------------|--------------------------------|-----------------|---------------|
| 17B23=L16 | left (L) | 16 mm | 56 mm | 38 mm | Stainless steel | Pair |
| 17B23=R16 | right (R) | 16 mm | 56 mm | 38 mm | Stainless steel | Pair |
| 17B23=L20 | left (L) | 20 mm | 56 mm | 38 mm | Stainless steel | Pair |
| 17B23=R20 | right (R) | 20 mm | 56 mm | 38 mm | Stainless steel | Pair |

* Attention: Eccentric and centric lock lever assemblies must not be interchanged; otherwise, the reliability of the locking function cannot be guaranteed!

Information material

| | |
|-------------------|---|
| 646F596=EN_MASTER | Knee joints overview |
| 646F464=ALL_INT | KAFO selection guide |
| 647G1527=ALL_INT | 17B23 / 17B23=*K / 17B33 / 17B45 / 17B91 / 17B92 instructions for use |



System knee joint

Reference number 17B23K

Contoured medial joint, straight lateral joint, with eccentrically* fitted covered lock, self-adjusting, short lock lever, with pull-release cable



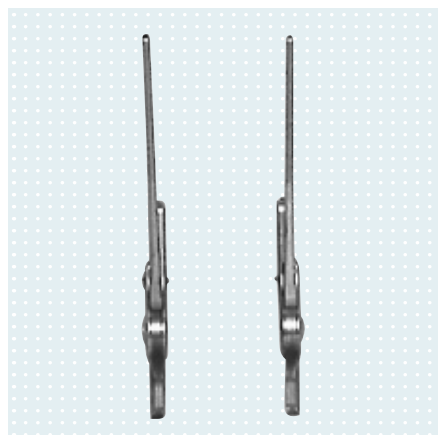
Technical data

| Article number | Side | System width | Length from joint centre upper | Length from joint centre lower | Material | Quantity unit |
|----------------|-----------|--------------|--------------------------------|--------------------------------|-----------------|---------------|
| 17B23=L16K | left (L) | 16 mm | 56 mm | 38 mm | Stainless steel | Pair |
| 17B23=R16K | right (R) | 16 mm | 56 mm | 38 mm | Stainless steel | Pair |
| 17B23=L20K | left (L) | 20 mm | 56 mm | 38 mm | Stainless steel | Pair |
| 17B23=R20K | right (R) | 20 mm | 56 mm | 38 mm | Stainless steel | Pair |

* Attention: Eccentric and centric lock lever assemblies must not be interchanged; otherwise, the reliability of the locking function cannot be guaranteed!

Information material

| | |
|-------------------|---|
| 646F596=EN_MASTER | Knee joints overview |
| 647H234 | 17B23 / 17B23=*K / 17B33 / 17B45 / 17B91 / 17B92 instructions for use |



System knee joint

Reference number 17B45

Medial and lateral joint are straight, with centrally* fitted covered lock, lock lever points upwards



Technical data

| Article number | System width | Length from joint centre upper | Length from joint centre lower | Material | Quantity unit |
|----------------|--------------|--------------------------------|--------------------------------|-----------------|---------------|
| 17B45=16 | 16 mm | 56 mm | 38 mm | Stainless steel | Pair |
| 17B45=20 | 20 mm | 56 mm | 38 mm | Stainless steel | Pair |

Information material

| | |
|-------------------|---|
| 646F596=EN_MASTER | Knee joints overview |
| 647H234 | 17B23 / 17B23=*K / 17B33 / 17B45 / 17B91 / 17B92 instructions for use |

* Attention: Eccentric and centric lock lever assemblies must not be interchanged; otherwise, the reliability of the locking function cannot be guaranteed!



System knee joints

Reference number 17B92

Medial joint is contoured at the bottom and straight at the top, lateral joint is straight, with centrally* fitted covered lock, lock lever points upwards



Technical data

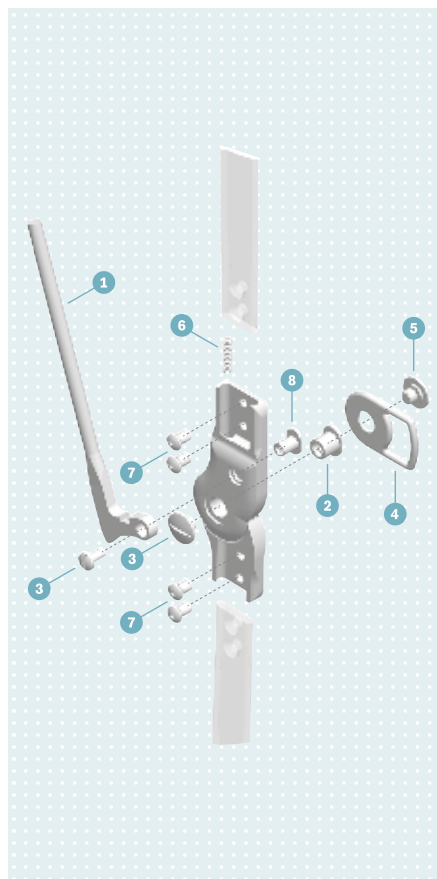
| Article number | Side | System width | Length from joint centre upper | Length from joint centre lower | Material | Quantity unit |
|----------------|-----------|--------------|--------------------------------|--------------------------------|-----------------|---------------|
| 17B92=L16 | left (L) | 16 mm | 56 mm | 38 mm | Stainless steel | Pair |
| 17B92=L20 | left (L) | 20 mm | 56 mm | 38 mm | Stainless steel | Pair |
| 17B92=R16 | right (R) | 16 mm | 56 mm | 38 mm | Stainless steel | Pair |
| 17B92=R20 | right (R) | 20 mm | 56 mm | 38 mm | Stainless steel | Pair |

Information material

| | |
|-------------------|---|
| 646F596=EN_MASTER | Knee joints overview |
| 647H234 | 17B23 / 17B23=*K / 17B33 / 17B45 / 17B91 / 17B92 instructions for use |

* Attention: Eccentric and centric lock lever assemblies must not be interchanged; otherwise, the reliability of the locking function cannot be guaranteed!

Spare parts for 17B23, 17B23K, 17B45, 17B92



(1) Short lock lever

Reference number 17Y104

Technical data

| Article number | Material | Quantity unit |
|----------------|-----------------|---------------|
| 17Y104 | Stainless steel | Piece |

(1) Lock lever

Reference number 17Y20

Technical data

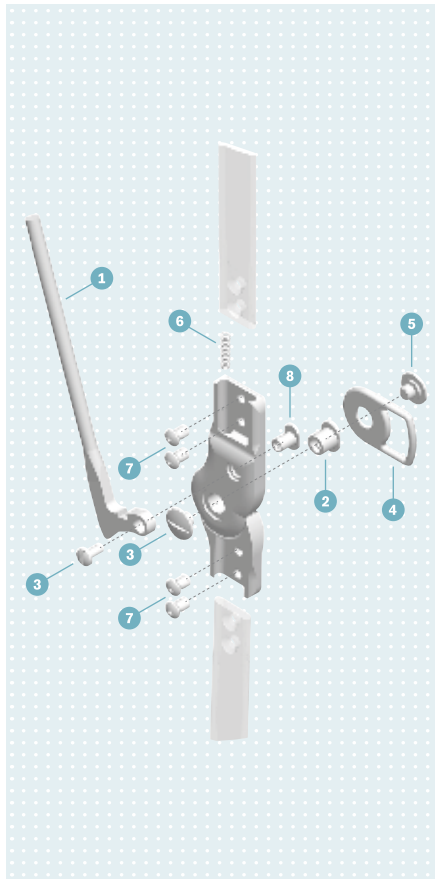
| Article number | Material | Quantity unit |
|----------------|-----------------|---------------|
| 17Y20 | Stainless steel | Piece |

(2, 8) Bearing nut, hardened

Reference number 17Y93

Technical data

| Article number | Spare part for | Insertion length | Profile length | Shank length | Thread | Attachment Ø | Quantity unit |
|-------------------|--|------------------|----------------|--------------|--------|--------------|---------------|
| 17Y93=6X9.15XM4 | 17B23=L16 17B23=L20 17B23=R16 17B23=R20 17B23=L16K 17B23=L20K 17B23=R16K 17B23=R20K 17B45=16 17B45=20 17B92=L16 17B92=L20 17B92=R16 17B92=R20 | 7.9 mm | 12 mm | 9.15 mm | M4 | 6 mm | Piece |
| 17Y93=6.5X9.15XM4 | 17B23=L16 17B23=L20 17B23=R16 17B23=R20 17B23=L16K 17B23=L20K 17B23=R16K 17B23=R20K 17B45=16 17B45=20 17B92=L16 17B92=L20 17B92=R16 17B92=R20 | 7.9 mm | 12 mm | 9.15 mm | M4 | 6.5 mm | Piece |
| 17Y93=9X9.2XM6 | 17B23=L16 17B23=L20 17B23=R16 17B23=R20 17B23=L16K 17B23=L20K 17B23=R16K 17B23=R20K 17B45=16 17B45=20 17B92=L16 17B92=L20 17B92=R16 17B92=R20 | 8 mm | 14 mm | 9.2 mm | M6 | 9 mm | Piece |



| Article number | Spare part for | Insertion length | Profile length | Shank length | Thread | Attachment Ø | Quantity unit |
|------------------|--|------------------|----------------|--------------|--------|--------------|---------------|
| 17Y93=9.5X9.2XM6 | 17B23=L16 17B23=L20 17B23=R16 17B23=R20 17B23=L16K 17B23=L20K 17B23=R16K 17B23=R20K 17B45=16 17B45=20 17B92=L16 17B92=L20 17B92=R16 17B92=R20 | 8 mm | 14 mm | 9.2 mm | M6 | 9.5 mm | Piece |

(3) Slotted truss head screw

Reference number 501S32

Technical data

| Article number | For system width | Head Ø | Length | Thread | Material | Quantity unit |
|------------------|------------------|--------|---------|--------|-----------------|---------------|
| 501S32=M4X8X11.5 | 16 and 20 mm | 8 mm | 11.5 mm | M4 | Stainless steel | Piece |
| 501S32=M6X14X7.5 | 16 and 20 mm | 14 mm | 7.5 mm | M6 | Stainless steel | Piece |
| 501S32=M6X14X12 | 16 and 20 mm | 14 mm | 12 mm | M6 | Stainless steel | Piece |

(4) Knee cap ring plate

Reference number 17Y84

Technical data

| Article number | Accessories for | Quantity unit |
|----------------|--|---------------|
| 17Y84 | 17B33=L20 17B33=R20 17B91=L20 17B91=R20 17B33=R16 17B33=L16 17B91=L16 17B91=R16 | Piece |

(5) Oval head screw, slotted and partially threaded

Reference number 501A11

Technical data

| Article number | Spare part for | Thread | Attachment Ø | Head Ø | Material | Quantity unit |
|----------------|--|--------|--------------|--------|-----------------|---------------|
| 501A11=14X9XM6 | 17B23=L16 17B23=L20 17B23=R16 17B23=R20 17B23=L16K 17B23=L20K 17B23=R16K 17B23=R20K 17B45=16 17B45=20 17B92=L16 17B92=L20 17B92=R16 17B92=R20 | M6 | 9 mm | 14 mm | Stainless steel | Piece |

(6) Compression spring

Reference number 513D19

Technical data

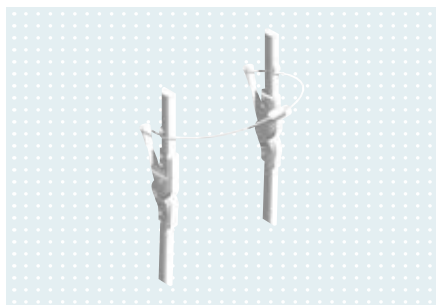
| Article number | Spare part for | Quantity unit |
|----------------|--|---------------|
| 513D19=3.8X16 | 17B23=L16 17B23=L20 17B23=R16 17B23=R20 17B23=L16K 17B23=L20K 17B23=R16K 17B23=R20K 17B45=16 17B45=20 17B92=L16 17B92=L20 17B92=R16 17B92=R20 | Piece |

(7) Phillips oval countersunk head screw

Reference number 501T7

Technical data

| Article number | for | Head Ø | Length | Material | Quantity unit |
|----------------|------------------|--------|--------|-----------------|---------------|
| 501T7=7.5X9XM5 | System side bars | 7,5 mm | 9 mm | Stainless steel | Piece |



Pull-release cable

Reference number 17MS30

The pull-release cable can be positioned anterior or posterior. Thanks to the change of direction, less force is required for pulling.

Technical data

| Article number | Accessories for | Quantity unit |
|----------------|--|---------------|
| 17MS30=A | 17B23=L16 17B23=L20 17B23=R16 17B23=R20 17B23=L16K 17B23=L20K 17B23=R16K 17B23=R20K 17B45=16 17B45=20 17B92=L16 17B92=L20 17B92=R16 17B92=R20 | Pair |

Information material

647G303 17MS30=A instructions for use

- Side bars must be ordered separately.
- The pull-release cable can be installed in the anterior or posterior position.
- Thanks to the change of direction, less force is required for pulling.

Accessory for 17B23, 17B23K, 17B45, 17B92



System lamination bar

Reference number 17Y128

The system lamination bars are glued with Ottobock special adhesive.

Technical data

| Article number | System width | Length | Thickness | Material | Quantity unit |
|----------------|--------------|--------|-----------|-----------------|---------------|
| 17Y128=16X80 | 16 mm | 80 mm | 4 mm | Stainless steel | Piece |
| 17Y128=20X80 | 20 mm | 80 mm | 4 mm | Stainless steel | Piece |
| 17Y128=16X100 | 16 mm | 100 mm | 4 mm | Stainless steel | Piece |
| 17Y128=20X100 | 20 mm | 100 mm | 4 mm | Stainless steel | Piece |



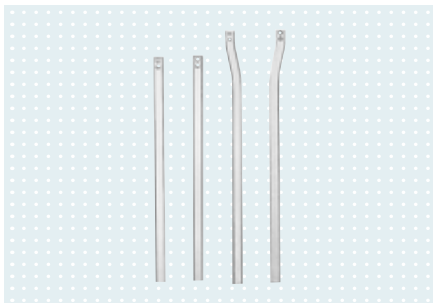
System lamination bar with contoured calf

Reference number 17Y129

The system lamination bars are glued with Ottobock special adhesive.

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17Y129=L16 | left (L) | 16 mm | 100 mm | 4 mm | Piece |
| 17Y129=R16 | right (R) | 16 mm | 100 mm | 4 mm | Piece |
| 17Y129=L20 | left (L) | 20 mm | 100 mm | 4 mm | Piece |
| 17Y129=R20 | right (R) | 20 mm | 100 mm | 4 mm | Piece |



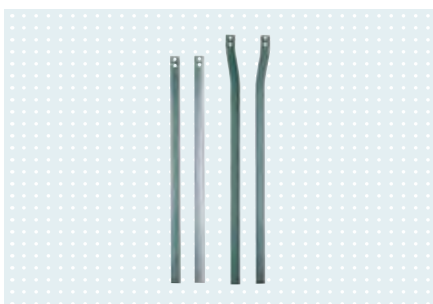
System side bar set

Reference number 17B38

Flat, consisting of two 17B4 and 17B4=T upper side bars and one 17B5 and 17B5=T lower side bar each for the left and right sides, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B38=16 | 16 mm | 4 mm | Set |
| 17B38=16-T | 16 mm | 4 mm | Set |
| 17B38=20 | 20 mm | 4 mm | Set |
| 17B38=20-T | 20 mm | 4 mm | Set |



System side bar set

Reference number 17B39

Consisting of two upper side bars and one left and one right lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B39=16 | 16 mm | 5 mm | Set |
| 17B39=20 | 20 mm | 5 mm | Set |



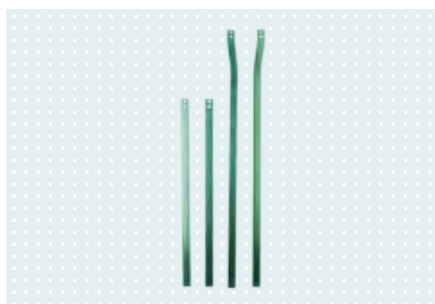
System side bar set

Reference number 17B85

Concave, consisting of two 17B88 upper side bars and one left and one right 17B89 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B85=16 | 16 mm | 5 mm | Set |
| 17B85=20 | 20 mm | 5 mm | Set |



System side bar set

Reference number 17B40

Overlength, flat, consisting of two 17B4 upper side bars and one left and one right 17B102 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B40=16 | 16 mm | 4 mm | Set |
| 17B40=20 | 20 mm | 4 mm | Set |



System side bar set

Reference number 17B84

Concave, consisting of two 17B86 upper side bars and one left and one right 17B87 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B84=16 | 16 mm | 4 mm | Set |
| 17B84=20 | 20 mm | 4 mm | Set |



System side bar set, extra long

Reference number 17B41

Consisting of two 17B6 upper side bars and one left and one right 17B104 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B41=16 | 16 mm | 5 mm | Set |
| 17B41=20 | 20 mm | 5 mm | Set |



System knee joint

Reference number 17B91

Medial joint is contoured at the bottom and straight at the top, lateral joint is straight, with centrally* fitted covered lock, lock lever points downwards



Technical data

| Article number | Side | System width | Material | Quantity unit |
|----------------|-----------|--------------|-----------------|---------------|
| 17B91=L16 | left (L) | 16 mm | Stainless steel | Pair |
| 17B91=R16 | right (R) | 16 mm | Stainless steel | Pair |
| 17B91=L20 | left (L) | 20 mm | Stainless steel | Pair |
| 17B91=R20 | right (R) | 20 mm | Stainless steel | Pair |

Information material

| | |
|-------------------|---|
| 646F596=EN_MASTER | Knee joints overview |
| 647H234 | 17B23 / 17B23=*K / 17B33 / 17B45 / 17B91 / 17B92 instructions for use |



System knee joint

Reference number 17B33

Medial joint is contoured, lateral joint is straight, with covered lock, lock lever points downward



Technical data

| Article number | Side | System width | Material | Quantity unit |
|----------------|-----------|--------------|-----------------|---------------|
| 17B33=L16 | left (L) | 16 mm | Stainless steel | Pair |
| 17B33=L20 | left (L) | 20 mm | Stainless steel | Pair |
| 17B33=R16 | right (R) | 16 mm | Stainless steel | Pair |
| 17B33=R20 | right (R) | 20 mm | Stainless steel | Pair |

Information material

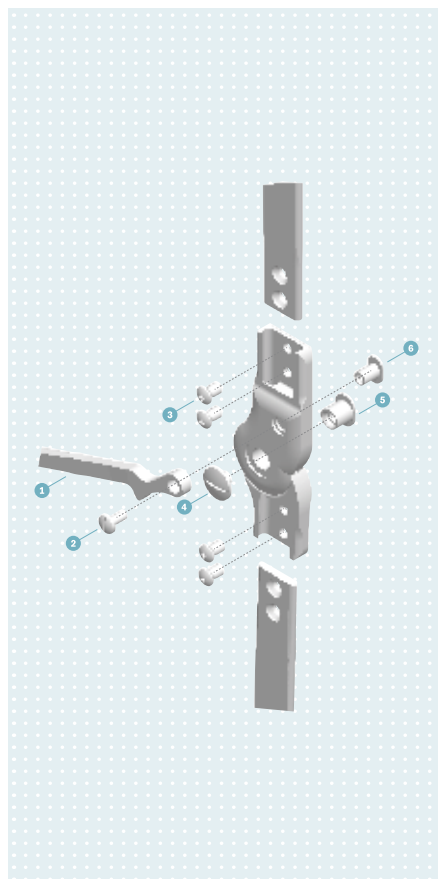
| | |
|-------------------|---|
| 646F596=EN_MASTER | Knee joints overview |
| 647H234 | 17B23 / 17B23=*K / 17B33 / 17B45 / 17B91 / 17B92 instructions for use |



Practical recommendation 17B33

Lamination dummy for lamination resin technique: 17Y103

Spare parts for 17B91, 17B33

**(1) Lock lever**

Reference number 17Y34

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|--|-----------------|---------------|
| 17Y34 | 17B33=L16 17B33=L20 17B33=R16 17B33=R20 17B91=L16 17B91=L20 17B91=R16 17B91=R20 | Stainless steel | Piece |

(2) Slotted truss head screw

Reference number 501S32

Technical data

| Article number | Spare part for | Thread | Length | Material | Quantity unit |
|------------------|--|--------|---------|-----------------|---------------|
| 501S32=M4X8X11.5 | 17B33=L16 17B33=L20 17B33=R16 17B33=R20 17B91=L16 17B91=L20 17B91=R16 17B91=R20 | M4 | 11.5 mm | Stainless steel | Piece |

(3) Screw set, Phillips

Reference number 17Y97

Technical data

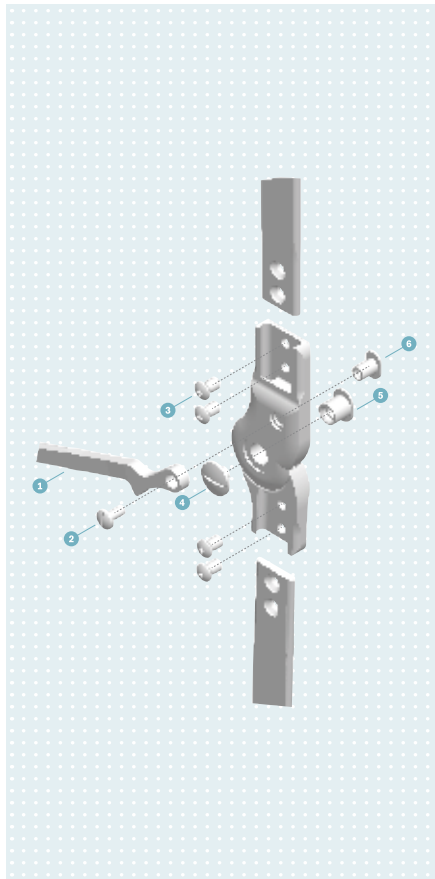
| Article number | Spare part for | Quantity unit |
|----------------|--|---------------|
| 17Y97 | 17B33=L16 17B33=R16 17B33=L20 17B33=R20 17B91=R20 17B91=L20 17B91=R16 17B91=L16 | Set |

(4) Slotted truss head screw

Reference number 501S32

Technical data

| Article number | Spare part for | Thread | Length | Material | Quantity unit |
|-----------------|--|--------|--------|-----------------|---------------|
| 501S32=M6X14X12 | 17B33=L16 17B33=L20 17B33=R16 17B33=R20 17B91=L16 17B91=L20 17B91=R16 17B91=R20 | M6 | 12 mm | Stainless steel | Piece |



(5) Bearing nut, hardened

Reference number 17Y93

Technical data

| Article number | Spare part for | Thread | Shank length | Attachment Ø | Quantity unit |
|----------------|--|--------|--------------|--------------|---------------|
| 17Y93=9X9.2XM6 | 17B33=L16 17B33=L20 17B33=R16 17B33=R20 17B91=L16 17B91=L20 17B91=R16 17B91=R20 | M6 | 9.2 mm | 9 mm | Piece |

(6) Bearing nut, hardened

Reference number 17Y93

Technical data

| Article number | Spare part for | Thread | Shank length | Attachment Ø | Quantity unit |
|-----------------|--|--------|--------------|--------------|---------------|
| 17Y93=6X9.15XM4 | 17B33=L16 17B33=L20 17B33=R16 17B33=R20 17B91=L16 17B91=L20 17B91=R16 17B91=R20 | M4 | 9.15 mm | 6 mm | Piece |

Accessory for 17B91, 17B33

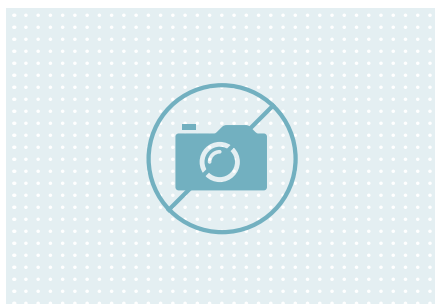


Knee cap ring plate

Reference number 17Y84

Technical data

| Article number | Accessories for | Quantity unit |
|----------------|--|---------------|
| 17Y84 | 17B33=L16 17B33=L20 17B33=R16 17B33=R20 17B91=L16 17B91=L20 17B91=R16 17B91=R20 | Piece |

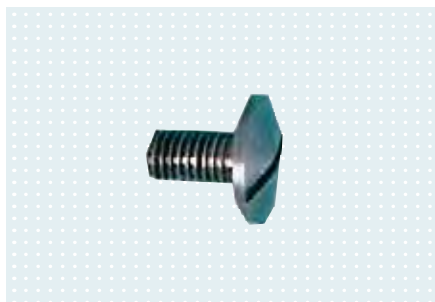


Oval head screw, slotted and partially threaded

Reference number 501A11

Technical data

| Article number | Accessories for | Thread | Attachment Ø | Head Ø | Material | Quantity unit |
|----------------|--|--------|--------------|--------|-----------------|---------------|
| 501A11=14X9XM6 | 17B33=L16 17B33=L20 17B33=R16 17B33=R20 17B91=L16 17B91=L20 17B91=R16 17B91=R20 | M6 | 9 mm | 14 mm | Stainless steel | Piece |



Slotted truss head screw

Reference number 501S32

Technical data

| Article number | Accessories for | Thread | Length | Material | Quantity unit |
|------------------|--|--------|--------|-----------------|---------------|
| 501S32=M6X14X7.5 | 17B33=L16 17B33=L20 17B33=R16 17B33=R20 17B91=L16 17B91=L20 17B91=R16 17B91=R20 | M6 | 7.5 mm | Stainless steel | Piece |



System lamination bar

Reference number 17Y128

The system lamination bars are glued with Ottobock special adhesive.

Technical data

| Article number | System width | Length | Thickness | Material | Quantity unit |
|----------------|--------------|--------|-----------|-----------------|---------------|
| 17Y128=16X80 | 16 mm | 80 mm | 4 mm | Stainless steel | Piece |
| 17Y128=20X80 | 20 mm | 80 mm | 4 mm | Stainless steel | Piece |
| 17Y128=16X100 | 16 mm | 100 mm | 4 mm | Stainless steel | Piece |
| 17Y128=20X100 | 20 mm | 100 mm | 4 mm | Stainless steel | Piece |



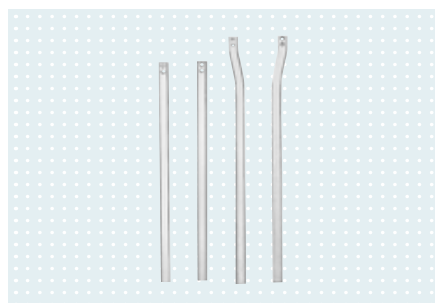
System lamination bar with contoured calf

Reference number 17Y129

The system lamination bars are glued with Ottobock special adhesive.

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17Y129=L16 | left (L) | 16 mm | 100 mm | 4 mm | Piece |
| 17Y129=R16 | right (R) | 16 mm | 100 mm | 4 mm | Piece |
| 17Y129=L20 | left (L) | 20 mm | 100 mm | 4 mm | Piece |
| 17Y129=R20 | right (R) | 20 mm | 100 mm | 4 mm | Piece |



System side bar set

Reference number 17B38

Flat, consisting of two 17B4 and 17B4=T upper side bars and one 17B5 and 17B5=T lower side bar each for the left and right sides, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B38=16 | 16 mm | 4 mm | Set |
| 17B38=16-T | 16 mm | 4 mm | Set |
| 17B38=20 | 20 mm | 4 mm | Set |
| 17B38=20-T | 20 mm | 4 mm | Set |



System side bar set

Reference number 17B39

Consisting of two upper side bars and one left and one right lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B39=16 | 16 mm | 5 mm | Set |
| 17B39=20 | 20 mm | 5 mm | Set |



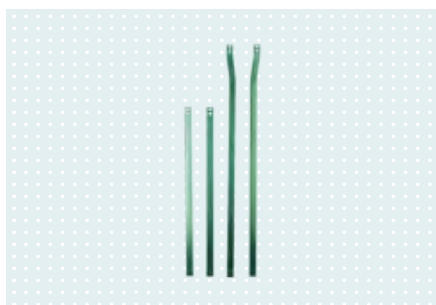
System side bar set

Reference number 17B85

Concave, consisting of two 17B88 upper side bars and one left and one right 17B89 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B85=16 | 16 mm | 5 mm | Set |
| 17B85=20 | 20 mm | 5 mm | Set |



System side bar set

Reference number 17B40

Overlength, flat, consisting of two 17B4 upper side bars and one left and one right 17B102 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B40=16 | 16 mm | 4 mm | Set |
| 17B40=20 | 20 mm | 4 mm | Set |



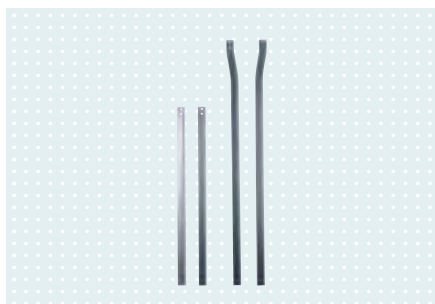
System side bar set

Reference number 17B84

Concave, consisting of two 17B86 upper side bars and one left and one right 17B87 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B84=16 | 16 mm | 4 mm | Set |
| 17B84=20 | 20 mm | 4 mm | Set |



System side bar set, extra long

Reference number 17B41

Consisting of two 17B6 upper side bars and one left and one right 17B104 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B41=16 | 16 mm | 5 mm | Set |
| 17B41=20 | 20 mm | 5 mm | Set |

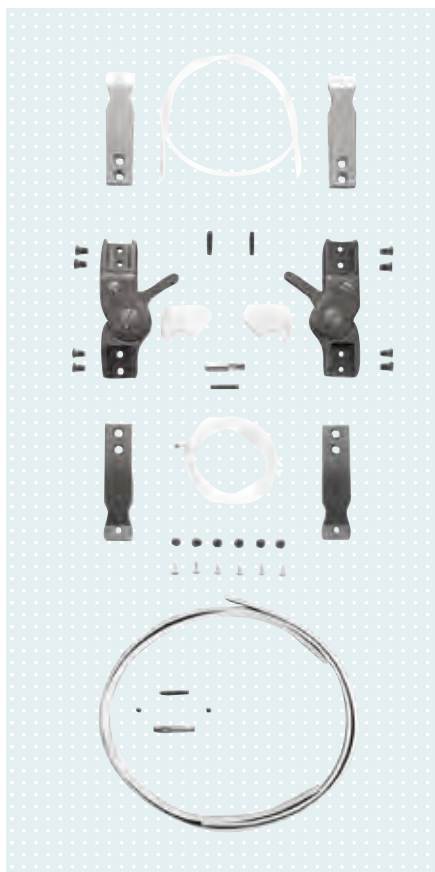


Oval head screw, slotted and partially threaded

Reference number 501A11

Technical data

| Article number | Thread | Attachment Ø | Head Ø | Material | Quantity unit |
|-------------------|--------|--------------|--------|-----------------|---------------|
| 501A11=8X3.5XM3.5 | M3.5 | 3,5 mm | 8 mm | Stainless steel | Piece |
| 501A11=11X5XM4 | M4 | 5 mm | 11 mm | Stainless steel | Piece |
| 501A11=12X5XM5 | M5 | 5 mm | 12 mm | Stainless steel | Piece |
| 501A11=12X6XM5 | M5 | 6 mm | 12 mm | Stainless steel | Piece |
| 501A11=12X7XM6 | M6 | 7 mm | 12 mm | Stainless steel | Piece |
| 501A11=14X7XM6 | M6 | 7 mm | 14 mm | Stainless steel | Piece |
| 501A11=14X9XM6 | M6 | 9 mm | 14 mm | Stainless steel | Piece |



System knee joint set

Reference number 17B97

The 17B97 component set includes compatible components designed to facilitate the fabrication of fibre composite lower limb orthoses. The system knee joints with a concealed lock and short lock lever are designed especially for cable pull release.



Technical data

| Article number | Side | System width | Quantity unit |
|----------------|-----------|--------------|---------------|
| 17B97=L16 | left (L) | 16 mm | Set |
| 17B97=R16 | right (R) | 16 mm | Set |
| 17B97=L20 | left (L) | 20 mm | Set |
| 17B97=R20 | right (R) | 20 mm | Set |

Information material

| | |
|-------------------|----------------------------|
| 646F596=EN_MASTER | Knee joints overview |
| 647G1537=ALL_INT | 17B97 instructions for use |

Scope of delivery

| | | | |
|--------|---|---|-------|
| 17B23K | System orthotic knee joint | 1 | Pair |
| 17Y103 | Lamination dummy for lamination resin technique | 2 | Piece |
| 17Y106 | PVC profile bars | 2 | Piece |
| 17Y128 | System lamination bar | 4 | Piece |
| 21A18 | Perlon cable | 1 | Piece |
| 21A12 | Threaded fitting, short | 2 | Set |
| 21A7 | Coupling piece | 1 | Piece |
| 21A25 | Spring | 1 | Piece |
| 504H1 | Double hollow rivet | 6 | Piece |

Accessory for 17B97



Special adhesive

Reference number 636W18

The special adhesive is suitable for bonding wood and metal. It is particularly recommended for unilateral bar systems.



Technical data

| Article number | Net contents | Packaging |
|----------------|--------------|-----------|
| 636W18 | 0.1 kg | Tube |



Hardener

Reference number 636W19

The hardener is suitable for use with the 636W18 special adhesive.



Technical data

| Article number | Net contents | Packaging |
|----------------|--------------|-----------|
| 636W19 | 0.1 kg | Tube |

Mixing ratio

| Special adhesive 636W18 | Hardener 636W19 |
|-------------------------|-----------------|
| 100 | 70 |



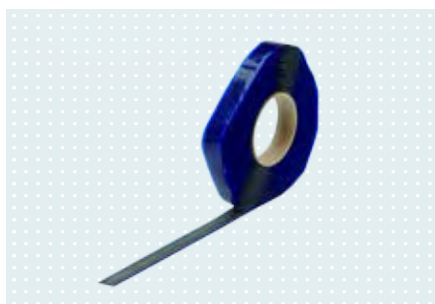
Short lock lever

Reference number 17Y104

Lock lever, stainless steel

Technical data

| Article number | Material | Quantity unit |
|----------------|-----------------|---------------|
| 17Y104 | Stainless steel | Piece |



Plastaband

Reference number 636K8

Plastic tape for sealing, filling and protection during work with lamination resin technique, e.g., for orthotic joints.

Technical data

| Article number | Length | Width | Thickness | Colour |
|----------------|--------|-------|-----------|--------|
| 636K8=20X2X10 | 10 m | 20 mm | 2 mm | Grey |



Aqualine orthotic system

The Aqualine orthotic system is a waterproof walking aid for orthosis wearers which offers the user the greatest possible safety with simultaneous freedom of movement.

- All of its components are specially designed for contact with water
- The orthosis is lightweight thanks to its high-quality carbon material
- The orthosis is easy to clean

i Information for specialist dealers

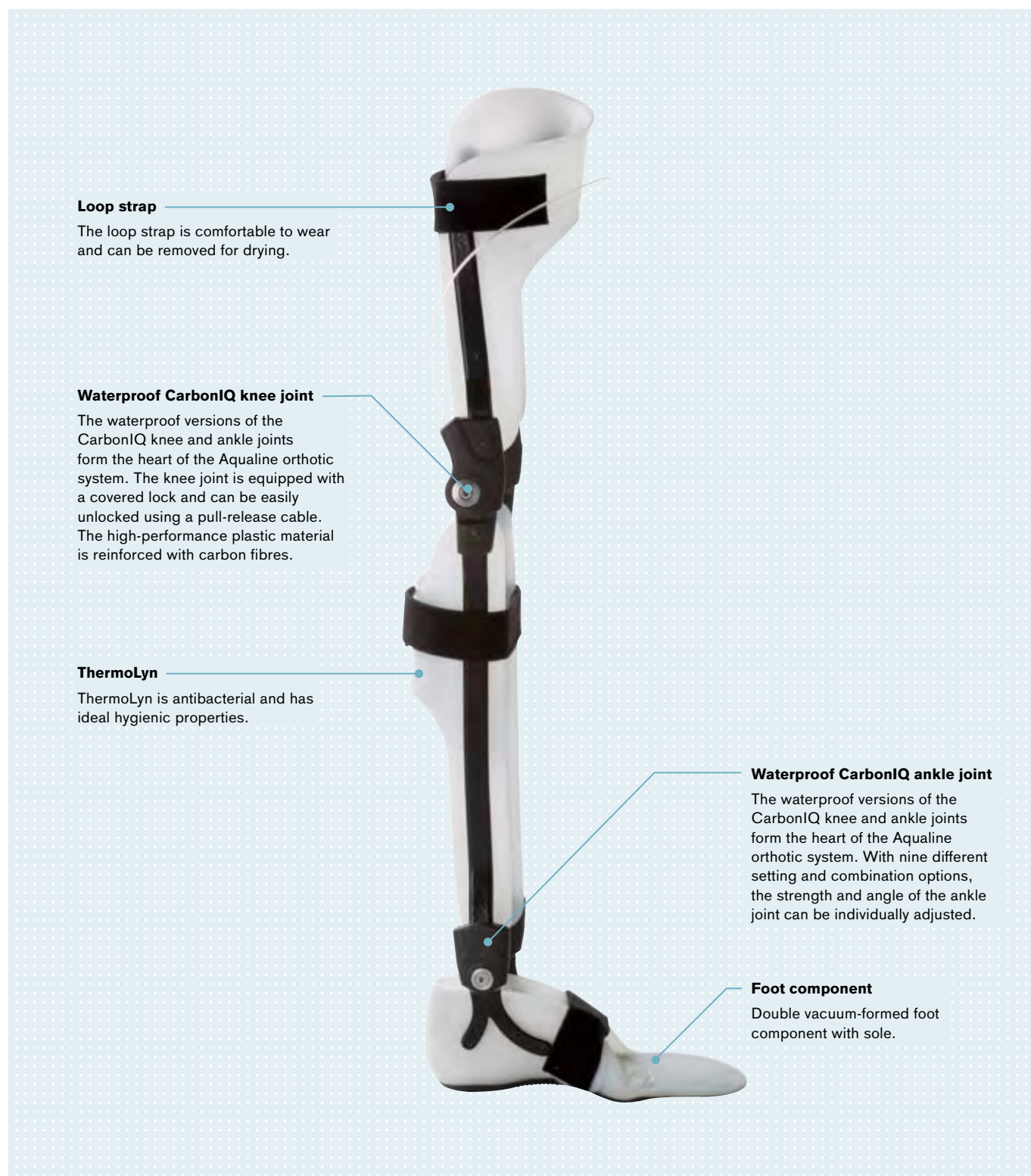
- All components in a waterproof walking aid should be waterproof and easy to wash.
- We generally recommend the use of a full-surface non-skid sole or a bathing shoe, as well as the use of a knee joint with lock.
- We recommend the use of antibacterial materials.
- The waterproof walking aid should have minimal contact with the skin.

Information material

| | |
|----------------|--|
| 646D638=EN_INT | Aqualine orthotic system information for practitioners |
| 646H12=EN_INT | Aqualine orthotic system user information |
| 646T5=4.6EN | T1 fabrication of a knee-ankle-foot orthosis using thermoplastic technology with CarbonIQ joint system |
| 647G798 | 17PK1=*-WR instructions for use |
| 647G799 | 17PA1=*-WR instructions for use |

Aqualine

The solution for wet areas



Components of the Aqualine orthotic systems



Waterproof CarbonIQ knee joint

Reference number 17PK1=*-WR

The 17PK1=*-WR knee joint is the waterproof version of the 17PK1 CarbonIQ knee joint. It is a locked joint made of fibre-reinforced plastic with a pull-release cable. The locking system uses the latest technology for locked joints and offers a high level of security. It can be unlocked with one hand using the pull-release cable, making it very simple to use. The lock in the joint clicks into place automatically when standing up, without the risk of trapping clothes.

Contoured medial joint, straight lateral joint



Technical data

| Article number | Side | Max. body weight | Material | Quantity unit |
|----------------|-----------|------------------|--------------------------------------|---------------|
| 17PK1=L14-WR | left (L) | 45 kg | Plastic reinforced with carbon fibre | Pair |
| 17PK1=R14-WR | right (R) | 45 kg | Plastic reinforced with carbon fibre | Pair |
| 17PK1=L20-WR | left (L) | 100 kg | Plastic reinforced with carbon fibre | Pair |
| 17PK1=R20-WR | right (R) | 100 kg | Plastic reinforced with carbon fibre | Pair |



Waterproof CarbonIQ orthotic ankle joint

Reference number 17PA1=*-WR

The 17PA1=*-WR ankle joint is the waterproof version of the 17PA1 CarbonIQ ankle joint. The double-action joint offers the most versatile fitting by far. Various possibilities for settings and combinations allow the functions of this type of joint to be adapted to the user's requirements at any time, even if these change over the course of the fitting. Different versions to influence plantar flexion and dorsal extension are available.



Technical data

| Article number | Max. body weight | Material | Quantity unit |
|----------------|------------------|--------------------------------------|---------------|
| 17PA1=14-WR | 45 kg | Plastic reinforced with carbon fibre | Pair |
| 17PA1=20-WR | 100 kg | Plastic reinforced with carbon fibre | Pair |



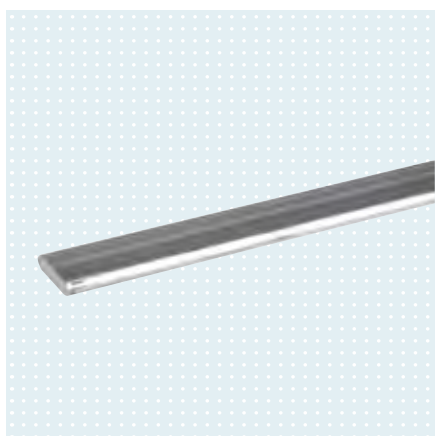
Foot stirrup

Reference number 17PF1

Foot stirrup for 17PA1 and 17PA1=*-WR

Technical data

| Article number | Accessories for | Material | Quantity unit |
|----------------|-------------------------|-----------------|---------------|
| 17PF1=14 | 17PA1=14 17PA1=14-WR | Stainless steel | Piece |
| 17PF1 | 17PA1=20 17PA1=20-WR | Stainless steel | Piece |



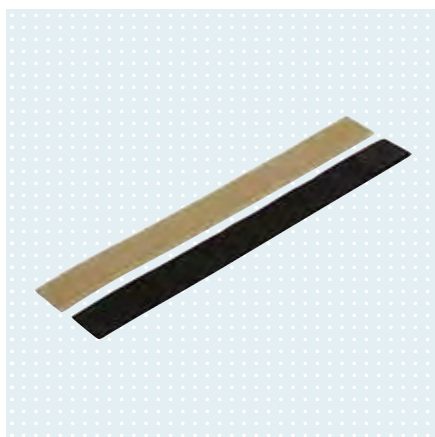
Light metal profile bar

Reference number 605P8

Suitable for fabricating system splints, with rounded edges, strength approx. 400 N/mm²

Technical data

| Article number | Length | Width | Thickness | Quantity unit |
|----------------|---------|-------|-----------|---------------|
| 605P8=14 | 1000 mm | 14 mm | 5 mm | Piece |
| 605P8=20 | 2000 mm | 20 mm | 5 mm | Piece |



Hook-and-loop strap

Reference number 170Z4

Technical data

| Article number | Length | Width | Material | Colour | Quantity unit |
|----------------|--------|-------|-----------|--------|---------------|
| 170Z4=400-7 | 400 mm | 40 mm | Polyamide | Black | Piece |
| 170Z4=600-7 | 600 mm | 40 mm | Polyamide | Black | Piece |



ThermoLyn PP-H

Reference number 616T*

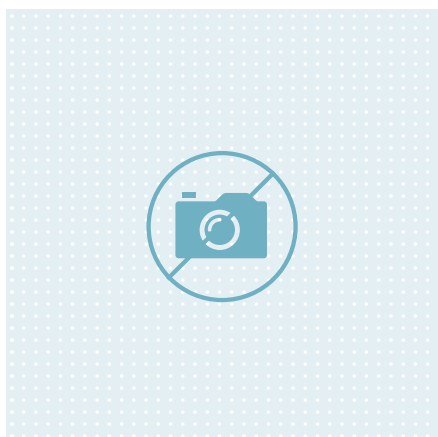
Technical data

| Article number | Length | Width | Thickness | Colour |
|----------------|---------|---------|-----------|----------------|
| 616T20=2000X5 | 2000 mm | 1000 mm | 5 mm | Natural colour |
| 616T20=2000X6 | 2000 mm | 1000 mm | 6 mm | Natural colour |

Information material

646F265=DE_INT

Poster: thermoplastics



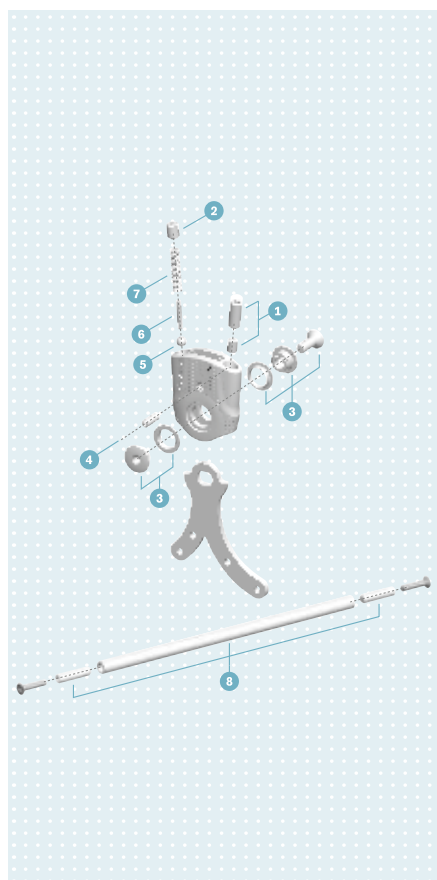
Flat head screw

Reference number 501S84

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 501S84=M4X8 | Piece |

Spare parts for 17PA1=14-WR



(1) Set of Stops

Reference number 30G79

Technical data

| Article number | Scope of delivery | Quantity unit |
|----------------|---------------------------------|---------------|
| 30G79 | 1x set screw 1x cylinder Pin | Set |

(2) Set screw with end bore

Reference number 30Y289

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 30Y289 | Piece |

(3) Service set

Reference number 29PA1

Technical data

| Article number | Scope of delivery | Quantity unit |
|----------------|--|---------------|
| 29PA1=14 | 1x 501S84=M6X14 1x 30Y215 1x 509G10=12X13X3 1x 30Y214 | Set |

(4) Set screw

Reference number 506G21

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 506G21=M4X12 | Piece |

(5) Bearing ball

Reference number 509Y1

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 509Y1=5.0 | Piece |

(6) Cylinder Pin

Reference number 506A8

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 506A8=2X16 | Piece |

(7) Compression spring

Reference number 513D87

Technical data

| Article number | Quantity unit |
|--------------------|---------------|
| 513D87=0.75X2.95X2 | Piece |

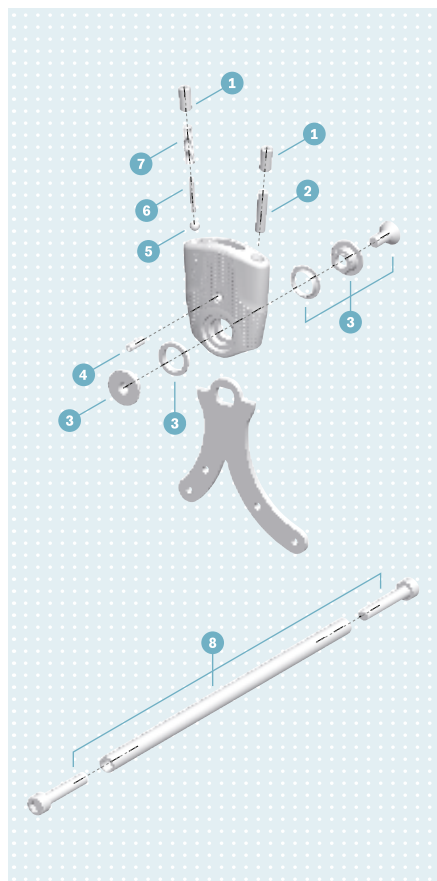
(8) Adjustment aid

Reference number 29PK4

Technical data

| Article number | Scope of delivery | Quantity unit |
|----------------|---|---------------|
| 29PK4=14 | 1x flat head screw 1x paralleling tool 1x parallel retainer adapter | Set |

Spare parts for 17PA1=20-WR



(1) Set screw

Reference number 506G21

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 506G21=M6X14 | Piece |

(2) Stop pin

Reference number 506A27

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 506A27=5M6X20 | Piece |

(3) Service set

Reference number 29PA1

Technical data

| Article number | Scope of delivery | Quantity unit |
|----------------|--|---------------|
| 29PA1 | 1x 501S84=M6X14 1x 30Y215 1x 30Y214 1x 509G10=12X13X3 | Set |

(4) Set screw

Reference number 506G21

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 506G21=M4X12 | Piece |

(5) Bearing ball

Reference number 509Y1

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 509Y1=5.0 | Piece |

(6) Stop pin (small)

Reference number 506A5

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 509Y1=5.0 | Piece |

(7) Compression spring

Reference number 513D18

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 509Y1=5.0 | Piece |

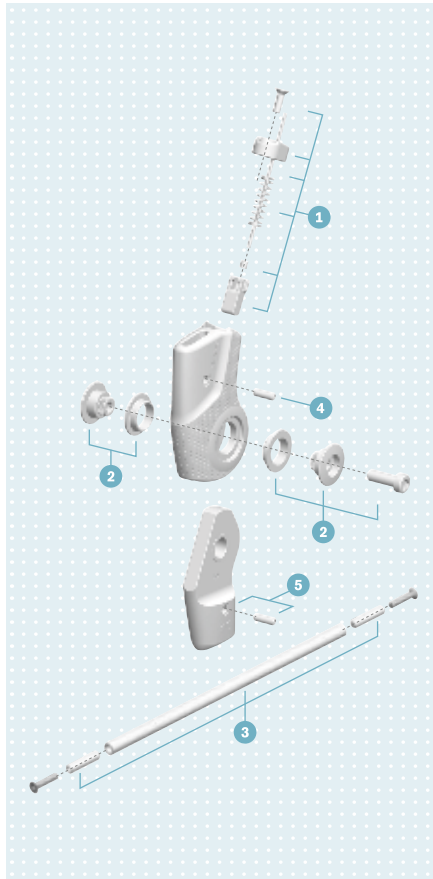
(8) Adjustment aid

Reference number 29PK4

Technical data

| Article number | Scope of delivery | Quantity unit |
|----------------|-------------------------------------|---------------|
| 29PK4 | 1x cap screw 1x paralleling tool | Set |

Spare parts for 17PK1=L/R14-WR



(1) Service set

Reference number 29PK1

Technical data

| Article number | Scope of delivery | Quantity unit |
|----------------|--|---------------|
| 29PK1=14 | 21A18=2 21A12 30Y286 30Y287 513D30=0.53X4.97X2 501S146=3.0X12 | Set |

(2) Service set

Reference number 29PK2

Technical data

| Article number | Scope of delivery | Quantity unit |
|----------------|--|---------------|
| 29PK2=14 | 501S84=M5X20 509G10=14X16X4.7 30Y288 30Y285 | Set |

(3) Adjustment aid

Reference number 29PK4

Technical data

| Article number | Scope of delivery | Quantity unit |
|----------------|---|---------------|
| 29PK4=14 | 1x flat head screw 1x paralleling tool 1x parallel retainer adapter | Set |

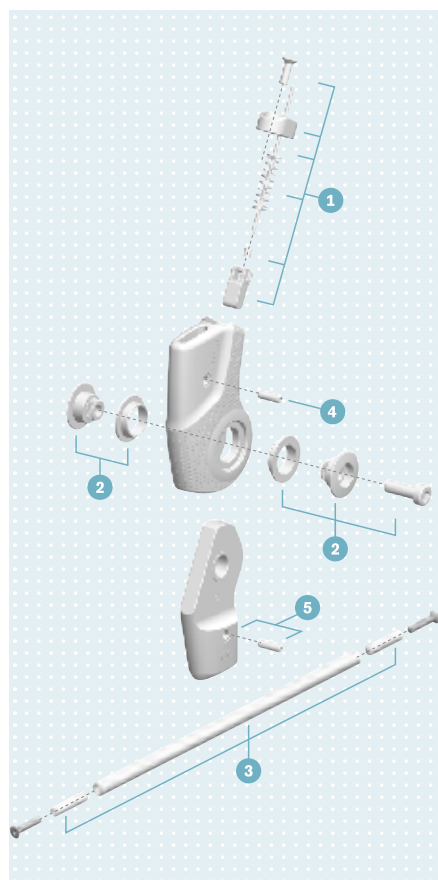
(4, 5) Set screw

Reference number 506G21

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 506G21=M4X12 | Piece |

Spare parts for 17PK1=L/R20-WR

**(1) Service set**

Reference number 29PK1

Technical data

| Article number | Scope of delivery | Quantity unit |
|----------------|--|---------------|
| 29PK1 | 21A18=2 513D52=1 21A12 30Y206 30Y207 501S146=4.0X12 | Set |

(2) Service set

Reference number 29PK2

Technical data

| Article number | Scope of delivery | Quantity unit |
|----------------|--|---------------|
| 29PK2 | 501T39=M6X18 509G10=14X16X5 30Y209 30Y210 | Set |

(3) Adjustment aid

Reference number 29PK4

Technical data

| Article number | Scope of delivery | Quantity unit |
|----------------|-------------------------------------|---------------|
| 29PK4 | 1x cap screw 1x paralleling tool | Set |

(4, 5) Set screw


Reference number 506G3

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 506G3=M4X12 | Piece |

Waterproof walking aid – Aqualine orthotic system order form

| Customer | | Shipping address (if different from customer address) | |
|------------------|----------------------|---|----------------------|
| Customer no. | <input type="text"/> | Customer no. | <input type="text"/> |
| Company | <input type="text"/> | Company | <input type="text"/> |
| Street | <input type="text"/> | Street | <input type="text"/> |
| Postal code/city | <input type="text"/> | Postal code/city | <input type="text"/> |
| Phone number | <input type="text"/> | Phone number | <input type="text"/> |
| Orthotist | <input type="text"/> | Patient name | <input type="text"/> |

| Components for modular design | Quantity | Designation | Article number | Delivery unit |
|--|----------------------|----------------------------------|---|------------------------------------|
|  | <input type="text"/> | Loop strap | 170Z4= <input type="checkbox"/> 600-7 <input type="checkbox"/> 400-7 | 600 mm / piece 400 mm / piece |
| | <input type="text"/> | Self-adhesive loop strap | 623Z7= <input type="checkbox"/> W25 | 1 m |
| | <input type="text"/> | Y-hook-and-loop | 170D21=38-7 | Piece |
| | <input type="text"/> | Aluminium bar | 605P8=20 605P8=14 | 2 m bar profile 1 m bar profile |
| | <input type="text"/> | Sintering powder | 618T40=S | 4 kg |
| | <input type="text"/> | Waterproof CarbonIQ knee joints | 17PK1= <input type="checkbox"/> L20-WR <input type="checkbox"/> R20-WR <input type="checkbox"/> L14-WR <input type="checkbox"/> R14-WR | Pair |
| | <input type="text"/> | Antibacterial ThermoLyn® (PPH) | 616T420= <input type="checkbox"/> 5mm thick <input type="checkbox"/> 6mm thick | 2 x 1 m sheet |
| | <input type="text"/> | Flat head screw | 501S84=M4x8 | Piece |
| | <input type="text"/> | Waterproof CarbonIQ ankle joints | 17PA1= <input type="checkbox"/> 20-WR <input type="checkbox"/> 14-WR | Pair |
| | <input type="text"/> | Foot stirrup | 17PF1 (for size =20) 17PF1=14 | Pair |
| | <input type="text"/> | Ottobock special adhesive | 636W18 636W19 | Piece |

Date Place Signature



Polycentric knee joint bars with gear drive

Reference number 7U56

Joints with interchangeable stops to limit extension as well as flexion, concave half-round bar profile, joint bars of thermoplastic synthetic material, forming temperature of 150 °C/302 °F



Technical data

| Article number | Length from joint centre upper | Length from joint centre lower | Pivot point distance | Bar width | Joint bar thickness | Colour | Quantity unit |
|----------------|--------------------------------|--------------------------------|----------------------|-----------|---------------------|--------|---------------|
| 7U56=S | 270 mm | 270 mm | 16 mm | 25 mm | 5.5 mm | Black | Pair |

Information material

647G65

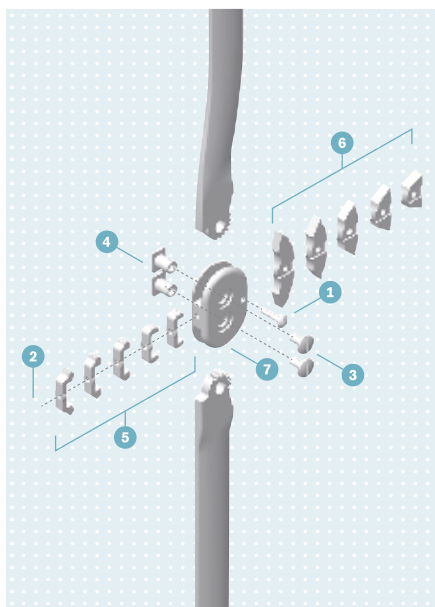
7U45/7U49/7U56/17K48
instructions for use



Practical recommendation 7U56

The 743Y56=1 size 1 alignment insert is aligned with the compromise pivot point in order to align the orthotic knee joints with the compromise pivot point according to Nietert. The compromise pivot point of the polycentric gear drive joints is therefore centred between the two joint screws.

Spare parts for 7U56



(1) Oval head screw, slotted and partially threaded

Reference number 501A11

Technical data

| Article number | Thread | Attachment Ø | Head Ø | Material | Quantity unit |
|-------------------|--------|--------------|--------|-----------------|---------------|
| 501A11=8X3.5XM3.5 | M3.5 | 3,5 mm | 8 mm | Stainless steel | Piece |

(2) Slotted sheet metal cap screw

Reference number 501B5

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 501B5=3.5X9.5 | Piece |

(3) Slotted truss head screw

Reference number 501S32

Technical data

| Article number | Head Ø | Length | Thread | Material | Quantity unit |
|-----------------|--------|--------|--------|-----------------|---------------|
| 501S32=M5X12X13 | 12 mm | 13 mm | M5 | Stainless steel | Piece |

(4) Bearing nut

Reference number 17Y67

Technical data

| Article number | Material | Quantity unit |
|----------------|----------|---------------|
| 17Y67 | Plastic | Piece |

(5) Extension stop

Reference number 17Y74

Technical data

| Article number | Range | Material | Colour | Quantity unit |
|----------------|-------|----------|--------|---------------|
| 17Y74=6 | 6 ° | Plastic | White | Piece |
| 17Y74=10 | 10 ° | Plastic | Green | Piece |
| 17Y74=20 | 20 ° | Plastic | Yellow | Piece |
| 17Y74=30 | 30 ° | Plastic | Red | Piece |
| 17Y74=40 | 40 ° | Plastic | Brown | Piece |

- The colour white is the factory standard

(6) Flexion stop

Reference number 17Y78

Technical data

| Article number | Range | Material | Colour | Quantity unit |
|----------------|-------|----------|--------|---------------|
| 17Y78=0 | 0 ° | Plastic | Blue | Piece |
| 17Y78=40 | 40 ° | Plastic | Brown | Piece |
| 17Y78=60 | 60 ° | Plastic | Red | Piece |
| 17Y78=80 | 80 ° | Plastic | Yellow | Piece |
| 17Y78=100 | 100 ° | Plastic | Green | Piece |

- The colour brown is the factory standard

(7) Joint centre piece

Reference number 17Y63

Technical data

| Article number | Colour | Quantity unit |
|----------------|--------|---------------|
| 17Y63=52-S | Black | Piece |



Polycentric knee joint bars

Reference number 17K43

With gear drive, free motion joints, concave half-round bar profile, interchangeable stops to limit extension



Technical data

| Article number | Length from joint centre upper | Length from joint centre lower | Pivot point distance | Bar width | Joint bar thickness | Joint thickness | Material | Quantity unit |
|----------------|--------------------------------|--------------------------------|----------------------|-----------|---------------------|-----------------|-----------------|---------------|
| 17K43 | 340 mm | 300 mm | 16 mm | 21 mm | 2 mm | 6 mm | Stainless steel | Pair |

Information material

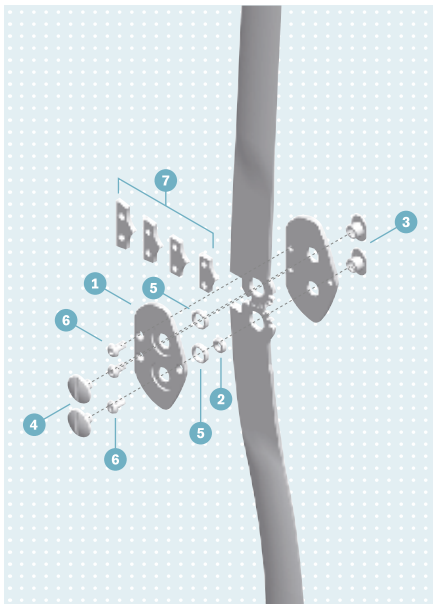
647G2

Instructions for use – system/leg bars

i Practical recommendation 17K43

The 743Y56=1 size 1 alignment insert is aligned with the compromise pivot point in order to align the orthotic knee joints with the compromise pivot point according to Nietert. The compromise pivot point of the polycentric gear drive joints is therefore centred between the two joint screws.

Spare parts for 17K43



(1) Joint centre piece

Reference number 17Y127

Technical data

| Reference number | Quantity unit |
|------------------|---------------|
| 17Y127 | Piece |

(2), (5) Brass bushing

Reference number 17Y17

Technical data

| Article number | Material | Quantity unit |
|-----------------|----------|---------------|
| 17Y17=3.1X6X2.1 | Brass | Piece |
| 17Y17=6X8X2 | Brass | Piece |

(3) Bearing nut, hardened

Reference number 17Y93

Technical data

| Article number | Spare part for | Insertion length | Profile length | Shank length | Thread | Shoulder Ø | Quantity unit |
|----------------|----------------|------------------|----------------|--------------|--------|------------|---------------|
| 17Y93=6X5XM4 | 17K43 | 4.1 mm | 12 mm | 5 mm | M4 | 6 mm | Piece |

(4) Slotted truss head screw

Reference number 501S32

Technical data

| Article number | Head Ø | Length | Thread | Material | Quantity unit |
|----------------|--------|--------|--------|-----------------|---------------|
| 501S32=M4X12X8 | 12 mm | 8 mm | M4 | Stainless steel | Piece |

(6) Oval head screw

Reference number 501S42

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 501S42=M6X18 | Piece |

(7) Extension stop

Reference number 17Y90

Technical data

| Article number | Flexion angle | Material | Quantity unit |
|----------------|---------------|-----------------|---------------|
| 17Y90=6 | 6 ° | Stainless steel | Piece |
| 17Y90=10 | 10 ° | Stainless steel | Piece |
| 17Y90=20 | 20 ° | Stainless steel | Piece |
| 17Y90=30 | 30 ° | Stainless steel | Piece |

- The 6° extension angle is the factory standard



Polycentric knee joint bars

Reference number 17K45

With gear drive, joints with interchangeable stops to limit extension as well as flexion, concave half-round bar profile



Technical data

| Article number | Length from joint centre upper | Length from joint centre lower | Pivot point distance | Bar width | Joint bar thickness | Joint thickness | Material | Quantity unit |
|----------------|--------------------------------|--------------------------------|----------------------|-----------|---------------------|-----------------|-----------------|---------------|
| 17K45 | 340 mm | 300 mm | 16 mm | 21 mm | 2 mm | 6 mm | Stainless steel | Pair |

Information material

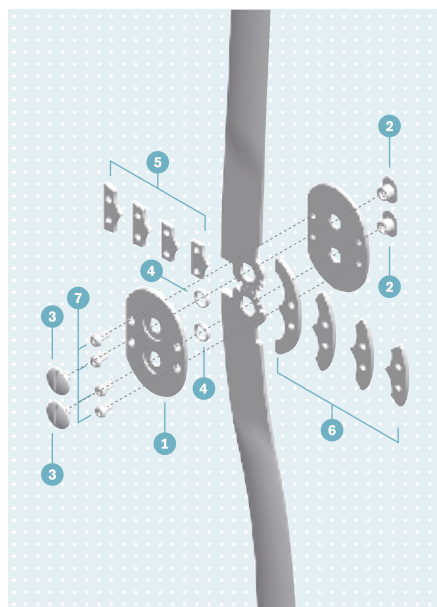
647G2

Instructions for use – system/leg bars

i Practical recommendation 17K45

The 743Y56=1 size 1 alignment insert is aligned with the compromise pivot point in order to align the orthotic knee joints with the compromise pivot point according to Nietert. The compromise pivot point of the polycentric gear drive joints is therefore centred between the two joint screws.

Spare parts for 17K45



(1) Joint centre piece

Reference number 17Y92

Technical data

| Reference number | Quantity unit |
|------------------|---------------|
| 17Y92 | Piece |

(2) Bearing nut, hardened

Reference number 17Y93

Technical data

| Article number | Spare part for | Insertion length | Profile length | Shank length | Thread | Shoulder Ø | Quantity unit |
|----------------|----------------|------------------|----------------|--------------|--------|------------|---------------|
| 17Y93=6X5XM4 | 17K45 | 4.1 mm | 12 mm | 5 mm | M4 | 6 mm | Piece |

(3) Slotted truss head screw

Reference number 501S32

Technical data

| Article number | Head Ø | Material | Quantity unit |
|----------------|--------|-----------------|---------------|
| 501S32=M4X12X8 | 12 mm | Stainless steel | Piece |

(4) Brass bushing

Reference number 17Y17

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 17Y17=6X8X2 | Piece |

(5) Extension stop

Reference number 17Y90

Technical data

| Article number | Range | Material | Quantity unit |
|----------------|-------|-----------------|---------------|
| 17Y90=6 | 6 ° | Stainless steel | Piece |
| 17Y90=10 | 10 ° | Stainless steel | Piece |
| 17Y90=20 | 20 ° | Stainless steel | Piece |
| 17Y90=30 | 30 ° | Stainless steel | Piece |

- The 6° extension angle is the factory standard

(6) Flexion stop

Reference number 17Y91

Technical data

| Article number | Range | Material | Quantity unit |
|----------------|-------|-----------------|---------------|
| 17Y91=0 | 0 ° | Stainless steel | Piece |
| 17Y91=60 | 60 | Stainless steel | Piece |
| 17Y91=80 | 80 ° | Stainless steel | Piece |
| 17Y91=100 | 100 ° | Stainless steel | Piece |

- The 100° flexion angle is the factory standard

(7) Oval head screw

Reference number 501S42

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 501S42=M6X18 | Piece |



Information material

647G2

Instructions for use –
system/leg bars

Polycentric knee joint bars, short

Reference number 17K46

With gear drive, joints with interchangeable stops to limit extension as well as flexion, upper and lower bars are curved and notched, for embedding into laminates and thermo-plastic synthetic materials



Technical data

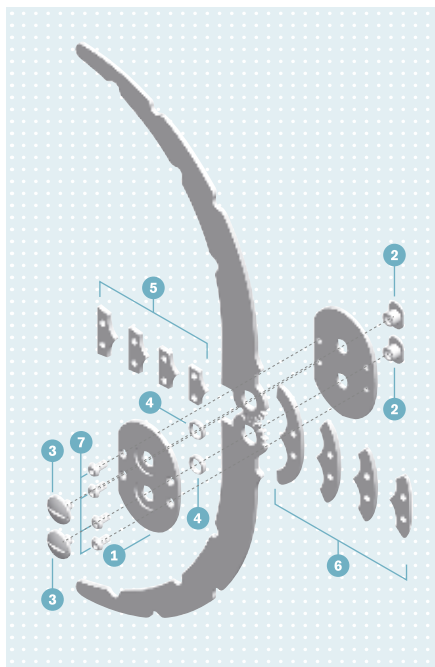
| Article number | Length from joint centre upper | Length from joint centre lower | Pivot point distance | Bar width | Joint bar thickness | Joint thickness | Material | Quantity unit |
|----------------|--------------------------------|--------------------------------|----------------------|-----------|---------------------|-----------------|-----------------|---------------|
| 17K46 | 340 mm | 300 mm | 16 mm | 21 mm | 2 mm | 6 mm | Stainless steel | Pair |



Practical recommendation 17K46

The 743Y56=1 size 1 alignment insert is aligned with the compromise pivot point in order to align the orthotic knee joints with the compromise pivot point according to Nietert. The compromise pivot point of the polycentric gear drive joints is therefore centred between the two joint screws.

Spare parts for 17K46



(1) Joint centre piece

Reference number 17Y92

Technical data

| Reference number | Quantity unit |
|------------------|---------------|
| 17Y92 | Piece |

(2) Bearing nut, hardened

Reference number 17Y93

Technical data

| Article number | Spare part for | Insertion length | Profile length | Shank length | Thread | Shoulder Ø | Quantity unit |
|----------------|----------------|------------------|----------------|--------------|--------|------------|---------------|
| 17Y93=6X5XM4 | 17K46 | 4.1 mm | 12 mm | 5 mm | M4 | 6 mm | Piece |

(3) Slotted truss head screw

Reference number 501S32

Technical data

| Article number | Head Ø | Material | Quantity unit |
|----------------|--------|-----------------|---------------|
| 501S32=M4X12X8 | 12 mm | Stainless steel | Piece |

(4) Brass bushing

Reference number 17Y17

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 17Y17=6X8X2 | Piece |

(5) Extension stop

Reference number 17Y90

Technical data

| Article number | Range | Material | Quantity unit |
|----------------|-------|-----------------|---------------|
| 17Y90=6 | 6 ° | Stainless steel | Piece |
| 17Y90=10 | 10 ° | Stainless steel | Piece |
| 17Y90=20 | 20 ° | Stainless steel | Piece |
| 17Y90=30 | 30 ° | Stainless steel | Piece |

- The 6° extension angle is the factory standard

(6) Flexion stop

Reference number 17Y91

Technical data

| Article number | Range | Material | Quantity unit |
|----------------|-------|-----------------|---------------|
| 17Y91=0 | 0 ° | Stainless steel | Piece |
| 17Y91=60 | 60 | Stainless steel | Piece |
| 17Y91=80 | 80 ° | Stainless steel | Piece |
| 17Y91=100 | 100 ° | Stainless steel | Piece |

- The 100° flexion angle is the factory standard

(7) Oval head screw

Reference number 501S42

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 501S42=M6X18 | Piece |



Information material

647G2

Instructions for use –
system/leg bars

Polycentric knee joint bars, short

Reference number 17K47

With gear drive, free motion joints, upper and lower bars are curved and notched, for embedding into laminate and thermoplastic synthetic materials, interchangeable stops to limit extension



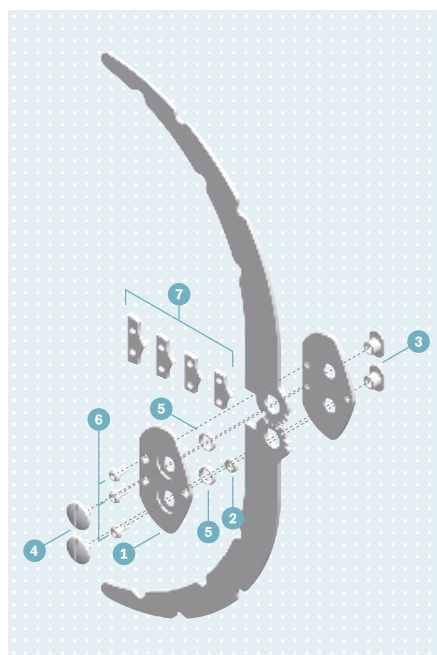
Technical data

| Article number | Length from joint centre upper | Length from joint centre lower | Pivot point distance | Bar width | Joint bar thickness | Joint thickness | Material | Quantity unit |
|----------------|--------------------------------|--------------------------------|----------------------|-----------|---------------------|-----------------|-----------------|---------------|
| 17K47 | 340 mm | 300 mm | 16 mm | 21 mm | 2 mm | 6 mm | Stainless steel | Pair |

i Practical recommendation 17K47

The 743Y56=1 size 1 alignment insert is aligned with the compromise pivot point in order to align the orthotic knee joints with the compromise pivot point according to Nietert. The compromise pivot point of the polycentric gear drive joints is therefore centred between the two joint screws.

Spare parts for 17K47



(1) Joint centre piece

Reference number 17Y127

Technical data

| Reference number | Quantity unit |
|------------------|---------------|
| 17Y127 | Piece |

(2), (5) Brass bushing

Reference number 17Y17

Technical data

| Article number | Material | Quantity unit |
|-----------------|----------|---------------|
| 17Y17=3.1X6X2.1 | Brass | Piece |
| 17Y17=6X8X2 | Brass | Piece |

(3) Bearing nut, hardened

Reference number 17Y93

Technical data

| Article number | Spare part for | Insertion length | Profile length | Shank length | Thread | Shoulder Ø | Quantity unit |
|----------------|----------------|------------------|----------------|--------------|--------|------------|---------------|
| 17Y93=6X5XM4 | 17K47 | 4.1 mm | 12 mm | 5 mm | M4 | 6 mm | Piece |

(4) Slotted truss head screw

Reference number 501S32

Technical data

| Article number | Head Ø | Material | Quantity unit |
|----------------|--------|-----------------|---------------|
| 501S32=M4X12X8 | 12 mm | Stainless steel | Piece |

(6) Oval head screw

Reference number 501S42

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 501S42=M6X18 | Piece |

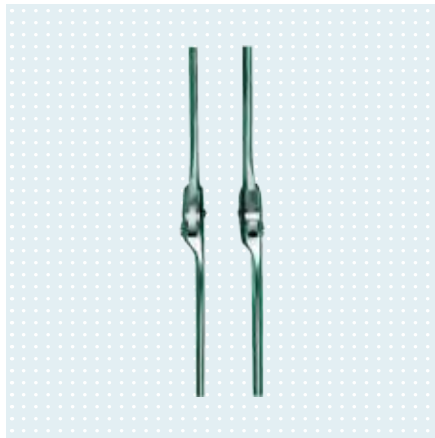
(7) Extension stop

Reference number 17Y90

Technical data

| Article number | Range | Material | Quantity unit |
|----------------|-------|-----------------|---------------|
| 17Y90=6 | 6 ° | Stainless steel | Piece |
| 17Y90=10 | 10 ° | Stainless steel | Piece |
| 17Y90=20 | 20 ° | Stainless steel | Piece |
| 17Y90=30 | 30 ° | Stainless steel | Piece |

- The 6° extension angle is the factory standard



Lower leg joint bars, light duty

Reference number 7U30

Joints with ball bearing, concave half-round bar profile, forged upper and lower joint bars
The head of the inner joint bar is offset to the outside, the head of the outer joint bar to the inside

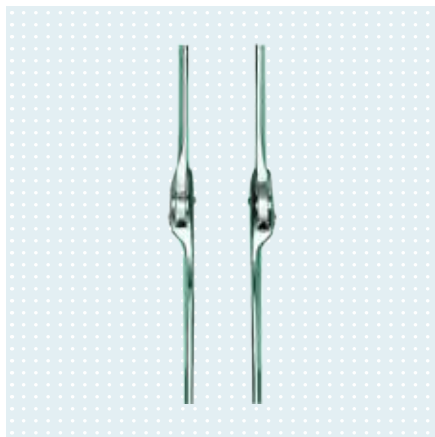
Technical data

| Article number | Side | Milled head | Upper section length | Lower section length | Bar width | Joint bar thickness | Material | Quantity unit |
|----------------|-----------|-------------|----------------------|----------------------|-----------|---------------------|-----------------|---------------|
| 7U30=L | left (L) | 24x4 mm | 340 mm | 150 mm | 20 mm | 2.3 mm | Stainless steel | Pair |
| 7U30=R | right (R) | 24x4 mm | 340 mm | 150 mm | 20 mm | 2.3 mm | Stainless steel | Pair |

Information material

647G2

Instructions for use –
system/leg bars



Lower leg joint bars, light duty

Reference number 7U33

Joints with ball bearing, concave half-round bar profile, forged upper and lower joint bar
Similar to 7U30 design, but with heads of both bars offset outside

Technical data

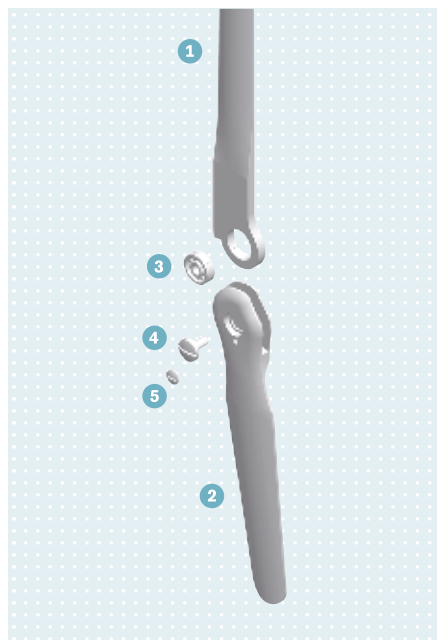
| Article number | Milled head | Upper section length | Lower section length | Bar width | Joint bar thickness | Material | Quantity unit |
|----------------|-------------|----------------------|----------------------|-----------|---------------------|-----------------|---------------|
| 7U33 | 24x4 mm | 340 mm | 150 mm | 20 mm | 2.3 mm | Stainless steel | Pair |

Information material

647G2

Instructions for use –
system/leg bars

Spare parts for 7U30, 7U33



(1) Knee joint bar upper part

Reference number 7A5

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|--------------------------|-----------------|---------------|
| 7A5=L | 7U30=R 7U30=L 7U33 | Stainless steel | Piece |
| 7A5=R | 7U30=R 7U30=L 7U33 | Stainless steel | Piece |

(2) Leg joint bar, lower section

Reference number 7B5

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------|-----------------|---------------|
| 7B5=LA | 7U30=L | Stainless steel | Piece |
| 7B5=LI | 7U30=L 7U33 | Stainless steel | Piece |
| 7B5=RA | 7U30=R | Stainless steel | Piece |
| 7B5=RI | 7U30=R 7U33 | Stainless steel | Piece |

(3) Ball bearing

Reference number 509K11

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 509K11=5X16X4 | Piece |

(4) Oval head screw, slotted and partially threaded

Reference number 501A6

Technical data

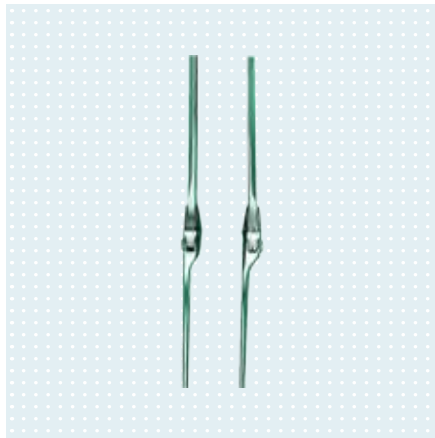
| Article number | Material | Quantity unit |
|----------------|-----------------|---------------|
| 501A6=4X5XM5 | Stainless steel | Piece |

(5) Slotted oval head screw (lock screw)

Reference number 501S22

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|--------------------------|-----------------|---------------|
| 501S22=8XM3.5 | 7U30=L 7U30=R 7U33 | Stainless steel | Piece |



Information material

647G2

Instructions for use –
system/leg bars

Lower leg joint bars, light duty

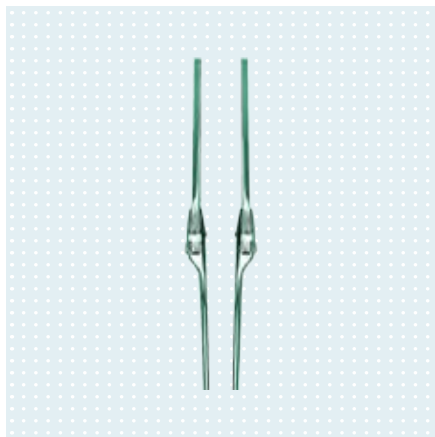
Reference number 7U32

Joints with ball bearing, joint centre shifted in the posterior direction, concave half-round bar profile, forged upper and lower joint bars

The head of the inner joint bar is offset to the outside, the head of the outer joint bar to the inside

Technical data

| Article number | Side | Milled head | Upper section length | Lower section length | Bar width | Joint bar thickness | Material | Quantity unit |
|----------------|-----------|-------------|----------------------|----------------------|-----------|---------------------|-----------------|---------------|
| 7U32=L | left (L) | 24x4 mm | 340 mm | 150 mm | 20 mm | 2.3 mm | Stainless steel | Pair |
| 7U32=R | right (R) | 24x4 mm | 340 mm | 150 mm | 20 mm | 2.3 mm | Stainless steel | Pair |



Information material

647G2

Instructions for use –
system/leg bars

Lower leg joint bars, light duty

Reference number 7U42

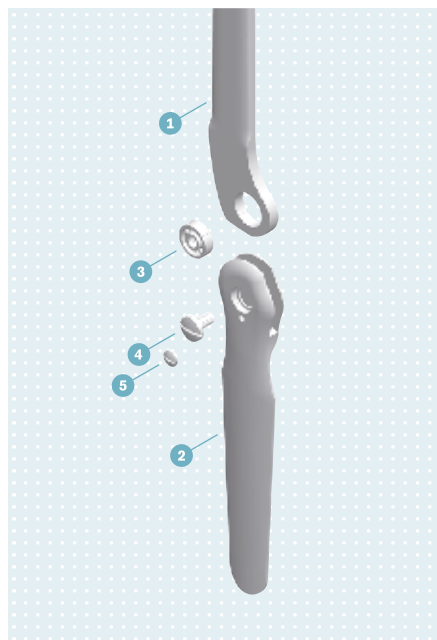
Joints with ball bearing, joint centre shifted in the posterior direction, concave half-round bar profile, forged upper and lower joint bars

Similar to 7U32 design, but with heads of both bars offset outside

Technical data

| Article number | Milled head | Upper section length | Lower section length | Bar width | Joint bar thickness | Material | Quantity unit |
|----------------|-------------|----------------------|----------------------|-----------|---------------------|-----------------|---------------|
| 7U42 | 24x4 mm | 340 mm | 150 mm | 20 mm | 2.3 mm | Stainless steel | Pair |

Spare parts for 7U32, 7U42

**(1) Leg joint bar, upper section**

Reference number 7A6

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------|-----------------|---------------|
| 7A6=L | 7U32=L 7U42 | Stainless steel | Piece |
| 7A6=R | 7U32=R 7U42 | Stainless steel | Piece |

(2) Leg joint bar, lower section

Reference number 7B5

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------|-----------------|---------------|
| 7B5=LA | 7U32=L | Stainless steel | Piece |
| 7B5=LI | 7U32=L 7U42 | Stainless steel | Piece |
| 7B5=RA | 7U32=R | Stainless steel | Piece |
| 7B5=RI | 7U32=R 7U42 | Stainless steel | Piece |

(3) Ball bearing

Reference number 509K11

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 509K11=5X16X4 | Piece |

(4) Oval head screw, slotted and partially threaded

Reference number 501A6

Technical data

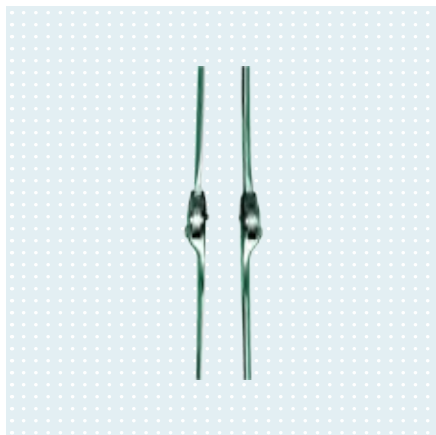
| Article number | Material | Quantity unit |
|----------------|-----------------|---------------|
| 501A6=4X5XM5 | Stainless steel | Piece |

(5) Slotted oval head screw (lock screw)

Reference number 501S22

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|--------------------------|-----------------|---------------|
| 501S22=8XM3.5 | 7U32=L 7U32=R 7U42 | Stainless steel | Piece |



Lower leg joint bars, light duty

Reference number 7U43

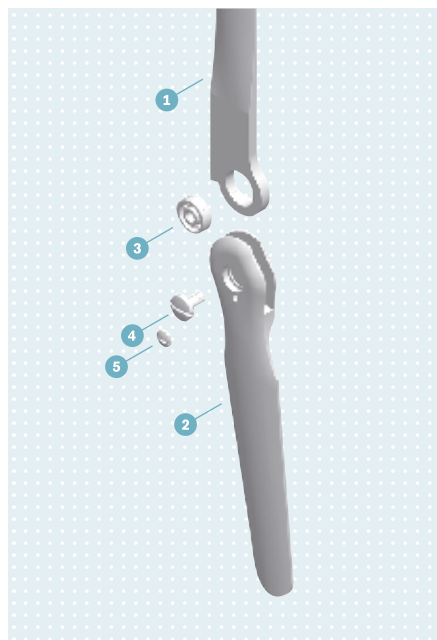
Joint with ball bearing, concave half-round bar profile, forged upper and lower joint bar sections

Heads of inner and outer joint bars are offset outside

Technical data

| Article number | Milled head | Upper section length | Lower section length | Bar width | Joint bar thickness | Material | Quantity unit |
|----------------|-------------|----------------------|----------------------|-----------|---------------------|-------------------|---------------|
| 7U43 | 24x5 mm | 410 mm | 150 mm | 22 mm | 2.5 mm | Orthopaedic steel | Pair |

Spare parts for 7U43

**(1) Leg joint bar, upper section**

Reference number 7A3

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------|-------------------|---------------|
| 7A3=L | 7U43 | Orthopaedic steel | Piece |
| 7A3=R | 7U43 | Orthopaedic steel | Piece |

(2) Knee joint bar lower part

Reference number 7B4

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------|-------------------|---------------|
| 7B4=LI | 7U43 | Orthopaedic steel | Piece |
| 7B4=RI | 7U43 | Orthopaedic steel | Piece |

(3) Ball bearing

Reference number 509K11

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|----------------|---------------|
| 509K11=5X16X5 | 7U43 | Piece |

**(4) Slotted oval head screw, partially threaded
(ball bearing screw)**

Reference number 501A25

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 501A25 | Piece |

(5) Slotted oval head screw (lock screw)

Reference number 501S22

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------|-----------------|---------------|
| 501S22=8XM3.5 | 7U43 | Stainless steel | Piece |



Lower leg joint bars, light duty

Reference number 7U46

Joints with ball bearing, joint centre shifted in the posterior direction, centred joint head, concave half-round bar profile, forged upper and lower joint bars, for swimming prostheses

Technical data

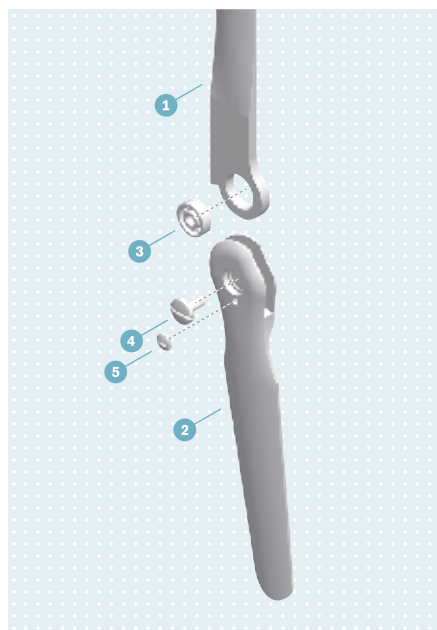
| Article number | Milled head | Upper section length | Lower section length | Bar width | Joint bar thickness | Material | Quantity unit |
|----------------|-------------|----------------------|----------------------|-----------|---------------------|-----------------|---------------|
| 7U46 | 18x4 mm | 270 mm | 125 mm | 20 mm | 1.75 mm | Stainless steel | Pair |

Information material

647G2

Instructions for use –
system/leg bars

Spare parts for 7U46

**(1) Leg joint bar, upper section**

Reference number 7A14

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------|-----------------|---------------|
| 7A14=L | 7U46 | Stainless steel | Piece |
| 7A14=R | 7U46 | Stainless steel | Piece |

(2) Knee joint bar lower part

Reference number 7B7

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------|-----------------|---------------|
| 7B7=L | 7U46 | Stainless steel | Piece |
| 7B7=R | 7U46 | Stainless steel | Piece |

(3) Ball bearing

Reference number 509K15

Technical data

| Reference number | Spare part for |
|------------------|----------------|
| 509K15 | 7U46 |

(4) Slotted oval head screw

Reference number 501A12

Technical data

| Article number | Material | Quantity unit |
|----------------|-----------------|---------------|
| 501A12=2 | Stainless steel | Piece |

(5) Slotted oval head screw (lock screw)

Reference number 501S22

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------|-----------------|---------------|
| 501S22=6XM3 | 7U46 | Stainless steel | Piece |



Lower leg joint bars, light duty

Reference number 7U27

Joints with gear drive and bushing, centred joint head, concave half-round bar profile, forged upper and lower joint bars

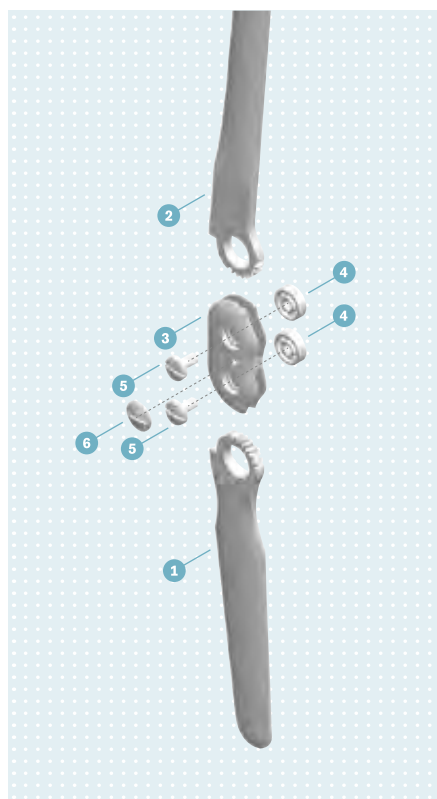
Technical data

| Article number | Length from joint centre upper | Length from joint centre lower | Pivot point distance | Bar width | Joint bar thickness | Material | Quantity unit |
|----------------|--------------------------------|--------------------------------|----------------------|-----------|---------------------|-----------------|---------------|
| 7U27 | 340 mm | 150 mm | 18 mm | 20 mm | 3 mm | Stainless steel | Pair |

Information material

| | |
|-------|--|
| 647G2 | Instructions for use – system/leg bars |
| 647G9 | 7U10/7U27 instructions for use |

Spare parts for 7U27

**(1) Leg joint bar, lower section**

Reference number 7B10

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------|-----------------|---------------|
| 7B10=L | 7U27 | Stainless steel | Piece |
| 7B10=R | 7U27 | Stainless steel | Piece |

(2) Leg joint bar, upper section

Reference number 7A10

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------|-----------------|---------------|
| 7A10=L | 7U27 | Stainless steel | Piece |
| 7A10=R | 7U27 | Stainless steel | Piece |

(3) Joint piece

Reference number 7Y13

Technical data

| Article number | Material | Quantity unit |
|----------------|-----------------|---------------|
| 7Y13 | Stainless steel | Piece |

(4) Bushing

Reference number 7Y14

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 7Y14=12X5 | Piece |
| 7Y14=10X8 | Piece |

(5) Joint screw

Reference number 501A32

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 501A32 | Piece |

(6) Slotted oval head screw (lock screw)

Reference number 501S22

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------|-----------------|---------------|
| 501S22=8XM3.5 | 7U27 | Stainless steel | Piece |



Lower leg joint bars, medium duty

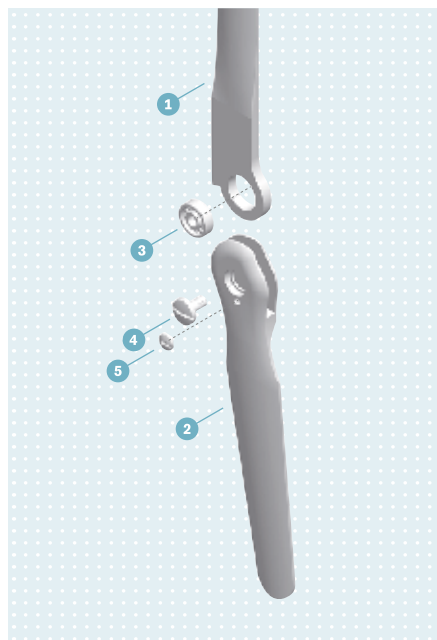
Reference number 7U2

Joints with ball bearing, medial joint head offset to the outside, lateral joint head offset to the inside, concave half-round bar profile, forged upper and lower joint bars

Technical data

| Article number | Side | Upper section length | Lower section length | Bar width | Joint bar thickness | Material | Quantity unit |
|----------------|-----------|----------------------|----------------------|-----------|---------------------|-------------------|---------------|
| 7U2=L | left (L) | 410 mm | 150 mm | 24 mm | 3 mm | Orthopaedic steel | Pair |
| 7U2=R | right (R) | 410 mm | 150 mm | 24 mm | 3 mm | Orthopaedic steel | Pair |

Spare parts for 7U2



(1) Knee joint bar upper part

Reference number 7A1

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------|-------------------|---------------|
| 7A1=L | 7U2=L 7U2=R | Orthopaedic steel | Piece |
| 7A1=R | 7U2=L 7U2=R | Orthopaedic steel | Piece |

(2) Knee joint bar lower part

Reference number 7B3

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------|-------------------|---------------|
| 7B3=LA | 7U2=L | Orthopaedic steel | Piece |
| 7B3=LI | 7U2=L | Orthopaedic steel | Piece |
| 7B3=RA | 7U2=R | Orthopaedic steel | Piece |
| 7B3=RI | 7U2=R | Orthopaedic steel | Piece |

(3) Ball bearing

Reference number 509K11

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|----------------|---------------|
| 509K11=5X16X5 | 7U2=L 7U2=R | Piece |

(4) Slotted oval head screw, partially threaded
(ball bearing screw)

Reference number 501A25

Technical data

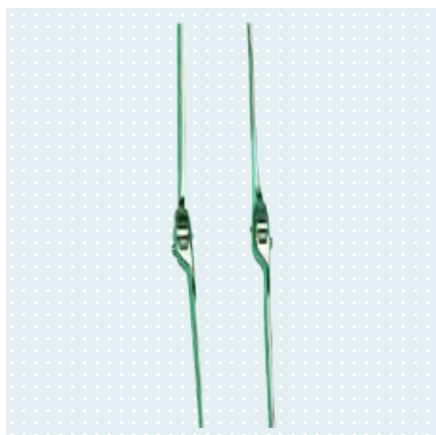
| Article number | Quantity unit |
|----------------|---------------|
| 501A25 | Piece |

(5) Slotted oval head screw (lock screw)

Reference number 501S22

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------|-----------------|---------------|
| 501S22=8XM3.5 | 7U2=L 7U2=R | Stainless steel | Piece |



Lower leg joint bars, medium duty

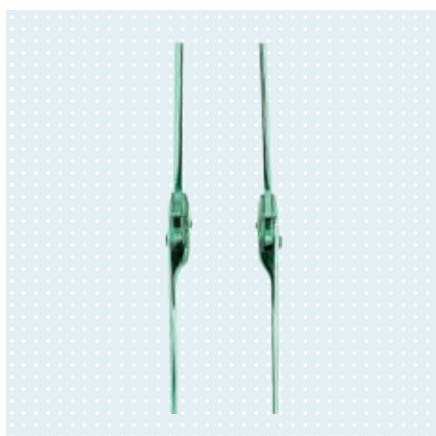
Reference number 7U15

Joints with ball bearing, joint centre placed to the posterior, concave half-round bar profile, forged nickel-plated upper and lower joint bar sections

The head of the inner joint bar is offset to the outside, the head of the outer joint bar to the inside

Technical data

| Article number | Side | Milled head | Upper section length | Lower section length | Bar width | Joint bar thickness | Quantity unit |
|----------------|-------|-------------|----------------------|----------------------|-----------|---------------------|---------------|
| 7U15=L | left | 26x5 mm | 410 mm | 150 mm | 24 mm | 3 mm | Pair |
| 7U15=R | right | 26x5 mm | 410 mm | 150 mm | 24 mm | 3 mm | Pair |



Lower leg joint bars, medium duty

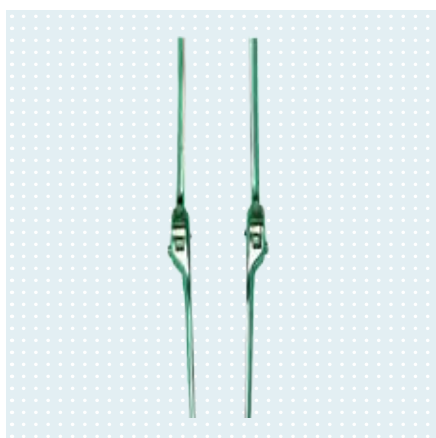
Reference number 7U15

Joints with ball bearing, joint centre placed to the posterior, concave half-round bar profile, forged nickel-plated upper and lower joint bar sections

Similar to 7U15 version, but with heads of both bars offset inside

Technical data

| Article number | Milled head | Upper section length | Lower section length | Bar width | Joint bar thickness | Quantity unit |
|----------------|-------------|----------------------|----------------------|-----------|---------------------|---------------|
| 7U15=K | 26x5 mm | 410 mm | 150 mm | 24 mm | 3 mm | Pair |



Lower leg joint bars, medium duty

Reference number 7U25

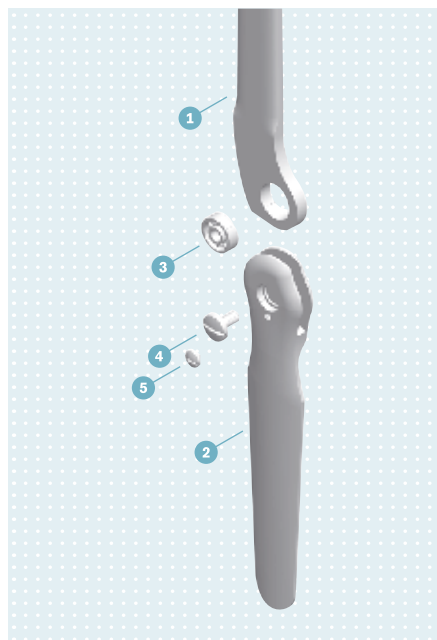
Joints with ball bearing, joint centre placed to the posterior, concave half-round bar profile, forged nickel-plated upper and lower joint bar sections

Similar to 7U15 design, but with heads of both bars offset outside

Technical data

| Article number | Milled head | Upper section length | Lower section length | Bar width | Joint bar thickness | Quantity unit |
|----------------|-------------|----------------------|----------------------|-----------|---------------------|---------------|
| 7U25 | 26 x 5 mm | 410 mm | 150 mm | 24 mm | 3 mm | Pair |

Spare parts for 7U15, 7U25

**(1) Leg joint bar, upper section, nickel-plated**

Reference number 7A11

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|------------------------------------|---------------|
| 7A11=L | 7U15=K 7U15=L 7U15=R 7U25 | Piece |
| 7A11=R | 7U15=K 7U15=L 7U15=R 7U25 | Piece |

(2) Leg joint bar, lower section, nickel-plated

Reference number 7B13

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|------------------|---------------|
| 7B13=LA | 7U15=K 7U15=L | Piece |
| 7B13=LI | 7U15=L 7U25 | Piece |
| 7B13=RA | 7U15=K 7U15=R | Piece |
| 7B13=RI | 7U15=R 7U25 | Piece |

(3) Ball bearing

Reference number 509K11

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|------------------------------------|---------------|
| 509K11=5X16X5 | 7U15=K 7U15=L 7U15=R 7U25 | Piece |

(4) Slotted oval head screw, partially threaded

Reference number 501A22

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 501A22 | Piece |

(5) Lock screw

Reference number 501S6

Technical data

| Article number |
|----------------|
| 501S6=8XM3,5 |



Lower leg joint bars, medium duty

Reference number 7U10

Joints with gear drive and ball bearings, centred joint head, concave half-round bar profile, forged upper and lower joint bars

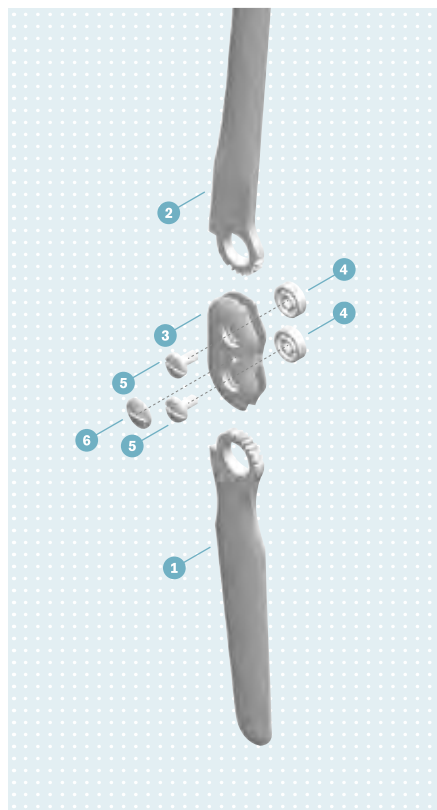
Technical data

| Article number | Length from joint centre upper | Length from joint centre lower | Pivot point distance | Bar width | Joint bar thickness | Material |
|----------------|--------------------------------|--------------------------------|----------------------|-----------|---------------------|-------------------|
| 7U10 | 410 mm | 130 mm | 24 mm | 24 mm | 3 mm | Orthopaedic steel |

Information material

| | |
|-------|--------------------------------|
| 647G9 | 7U10/7U27 instructions for use |
|-------|--------------------------------|

Spare parts for 7U10

**(1) Leg joint bar, lower section**

Reference number 7B8

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|----------------|---------------|
| 7B8=L | 7U10 | Piece |
| 7B8=R | 7U10 | Piece |

(2) Leg joint bar, upper section

Reference number 7A9

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|----------------|---------------|
| 7A9=L | 7U10 | Piece |
| 7A9=R | 7U10 | Piece |

(3) Joint piece

Reference number 7Y12

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 7Y12 | Piece |

(4) Ball bearing

Reference number 509K11

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|----------------|---------------|
| 509K11=5X16X5 | 7U10 | Piece |

(5) Slotted flat head screw, partially threaded

Reference number 501A24

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|----------------|---------------|
| 501A24 | 7U10 | Piece |

(6) Slotted oval head screw, nickel-plated lock screw

Reference number 501S10

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 501S10 | Piece |



Thigh bars

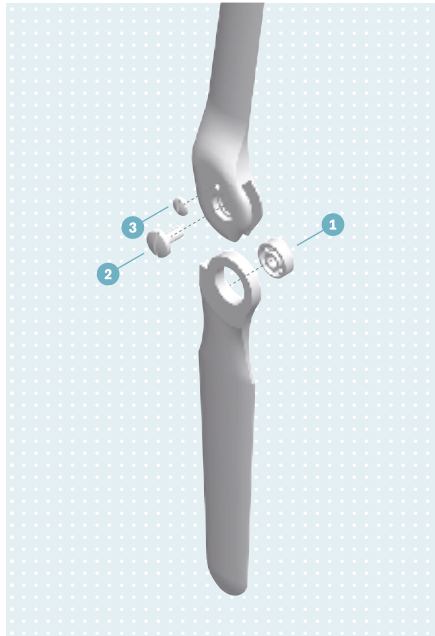
Reference number 7G3

Joints with ball bearings, both joint heads offset outside, concave half-round bar profile, forged nickel-plated upper and lower joint bars

Technical data

| Article number | Milled head | Length from joint centre upper | Length from joint centre lower | Bar width | Joint bar thickness | Quantity unit |
|----------------|-------------|--------------------------------|--------------------------------|-----------|---------------------|---------------|
| 7G3 | 26 x 5 mm | 410 mm | 150 mm | 24 mm | 3 mm | Pair |

Spare parts for 7G3



(1) Ball bearing

Reference number 509K11

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|----------------|---------------|
| 509K11=5X16X5 | 7G3 | Piece |

(2) Slotted oval head screw, partially threaded

Reference number 501A22

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 501A22 | Piece |

(3) Lock screw

Reference number 501S6

Technical data

| Article number |
|----------------|
| 501S6=8XM3.5 |





HKAFO/HO

All hip joint systems, classic components for hip rotation orthoses and reciprocal systems as well as hip abduction orthoses are presented in this section.



Visit **Ottobock Scandinavia professionals site** to obtain up-to-date product information at any time.



Cosa Junior

Reference number 28L100

The Cosa Active/Junior hip abduction orthosis uses pads between the legs to reduce the scissor gait which occurs in various forms of infantile cerebral palsy. Reducing hip adduction improves the overall gait pattern and control of the trunk in addition to stabilising the basis for standing and sitting.

The Cosa Active/Junior is generally delivered in a 28L101=* / 28L100=* starter set. It contains 2 pairs of 29L101=* / 29L100=* pants to change and wash and 1 29L102=* pad set.

Indications

- Diparesis
- Hip dysplasia
- Hip joint subluxation, congenital
- Hypotonicity
- Tetraparesis

Contraindications

- Hip joint luxation

Benefits

- Minimisation of scissor gait enhances mobility (more freedom for knee, improved gait pattern)
- Improved torso control
- More stable base for sitting and standing
- Can be combined with additional orthoses
- Can be worn day and night
- Easy to customise
- Easy care, machine washable (in a laundry bag) at 40 °C
- High wearer comfort

Information material

| | |
|--------------------|---|
| 646D1012=EN_MASTER | 28L100/28L101 information for practitioners |
| 646H16=EN_INT | Cosa Active/Junior user information |
| 646D1231 | 28LT1 instructions for use |
| 647G1115=ALL_INT | 28L100/28L101 instructions for use |



Technical data

| Article number | Standard sizing | Body height | Hip circumference | Pad number | Thigh circumference |
|----------------|-----------------|-------------|-------------------|------------|---------------------|
| 28L100=80 | 80 | 74-86 cm | 57-59 cm | 1 | 26-32 cm |
| 28L100=92 | 92 | 86-98 cm | 59-62 cm | 1 | 26-32 cm |
| 28L100=104 | 104 | 98-110 cm | 62-64 cm | 2 | 32-36 cm |
| 28L100=116 | 116 | 110-122 cm | 64-68 cm | 2 | 32-36 cm |



Cosa Active

Reference number 28L101

The Cosa Active/Junior hip abduction orthosis uses pads between the legs to reduce the scissor gait which occurs in various forms of infantile cerebral palsy. Reducing hip adduction improves the overall gait pattern and control of the trunk in addition to stabilising the basis for standing and sitting.

The Cosa Active/Junior is generally delivered in a 28L101=*/28L100=* starter set. It contains 2 pairs of 29L101=*/29L100=* pants to change and wash and 1 29L102=* pad set.

Indications

- Diparesis
- Hip dysplasia
- Hip joint subluxation, congenital
- Hypotonicity
- Tetraparesis

Contraindications

- Hip joint luxation

Benefits

- Minimisation of scissor gait enhances mobility (more freedom for knee, improved gait pattern)
- Improved torso control
- More stable base for sitting and standing
- Can be combined with additional orthoses
- Can be worn day and night
- Easy to customise
- Easy care, machine washable (in a laundry bag) at 40 °C
- High wearer comfort

Information material

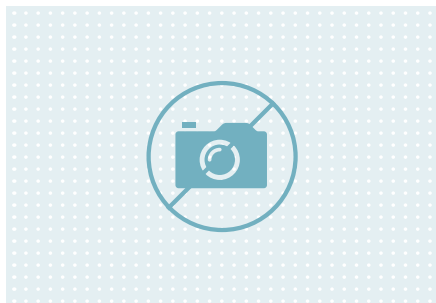
| | |
|--------------------|---|
| 646D1012=EN_MASTER | 28L100/28L101 information for practitioners |
| 646H16=EN_INT | Cosa Active/Junior user information |
| 646D1231 | 28LT1 instructions for use |
| 647G1115=ALL_INT | 28L100/28L101 instructions for use |



Technical data

| Article number | Standard sizing | Body height | Hip circumference | Pad number | Thigh circumference |
|----------------|-----------------------------------|-------------|-------------------|------------|---------------------|
| 28L101=128 | 128 | 122-134 cm | 68-72 cm | 3 | 36-44 cm |
| 28L101=140 | 140 | 134-146 cm | 72-78 cm | 3 | 36-44 cm |
| 28L101=152 | 152 | 146-158 cm | 78-86 cm | 4 | 44-54 cm |
| 28L101=S | 164/ women 34-38/ men 42-46 | 158-170 cm | 86-96 cm | 4 | 44-54 cm |
| 28L101=M | Women 40, 42/ men 48, 50 | from 170 cm | 96-105 cm | 5 | 54-62 cm |
| 28L101=L | Women 44, 46/ men 52, 54 | from 170 cm | 105-109 cm | 5 | 54-62 cm |

Spare parts for 28L100, 28L101

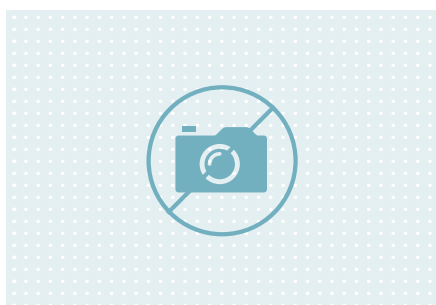


Cosa Junior shorts

Reference number 29L100

Technical data

| Article number | for |
|----------------|-------------|
| 29L100=80 | Cosa Junior |
| 29L100=92 | Cosa Junior |
| 29L100=104 | Cosa Junior |
| 29L100=116 | Cosa Junior |

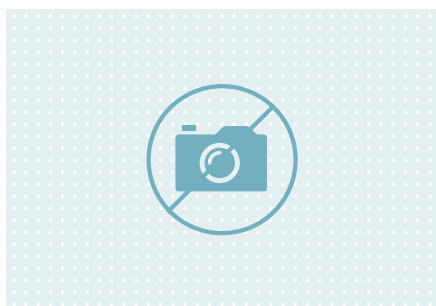


Cosa Active shorts

Reference number 29L101

Technical data

| Article number | for |
|----------------|-------------|
| 29L101=128 | Cosa Active |
| 29L101=140 | Cosa Active |
| 29L101=152 | Cosa Active |
| 29L101=S | Cosa Active |
| 29L101=M | Cosa Active |
| 29L101=L | Cosa Active |



Pad

Reference number 29L102

Technical data

| Article number | for |
|----------------|-------------|
| 29L102=1 | Cosa Junior |
| 29L102=2 | Cosa Junior |
| 29L102=3 | Cosa Active |
| 29L102=4 | Cosa Active |
| 29L102=5 | Cosa Active |

Fit Kit for 28L100, 28L101



Cosa FIT KIT

Reference number 28LT1

The Cosa Active FIT KIT is used to determine the size of the shorts. The pads can also be used to check the proper functionality for a patient.



Technical data

| Information material |
|----------------------|
| 646D1231 |

28LT1 instructions for use

| Article number | Scope of delivery |
|----------------|--|
| 28LT1 | 10 test shorts in 10 sizes 5 test pads in 5 sizes 4 suspender clips with connecting strap 1 carrier bag |



RGO hip joint system

Reference number 17H100

The connection between the knee joint bars and the pelvic module is especially important for fittings with reciprocating gait orthoses. Our RGO (reciprocating gait orthosis) hip joint system helps users achieve pelvic rotation that imitates physiological rotation during walking. Thanks to the development of a bi-axial joint construction, pelvic rotation of 15° is possible without having to change the walking direction. The result: less effort, more effective gait pattern.



Technical data

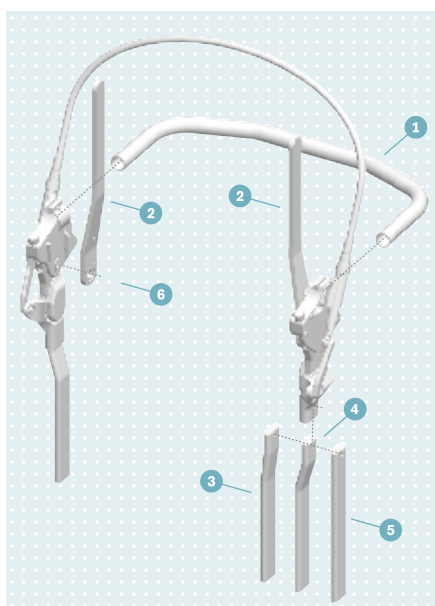
Information material

| | |
|------------------|---------------------------------|
| 647F527=EN_INT | RGO hip joint system order form |
| 647G1535=ALL_INT | 17H100 instructions for use |

| Article number | Max. body weight | Pelvic width | Age | Quantity unit |
|----------------|------------------|--------------|----------------|---------------|
| 17H100=0 | up to 65 kg | 340 - 380 mm | 9 years and up | Set |
| 17H100=1 | up to 65 kg | 270 - 330 mm | 9 years and up | Set |
| 17H100=2 | up to 34 kg | 200 - 260 mm | 4-8 years | Set |

- Please note that the pelvic tube is not included in the scope of delivery and therefore has to be ordered separately.

Spare parts for 17H100



(1) Pelvic tube

Reference number 17Y130

Technical data

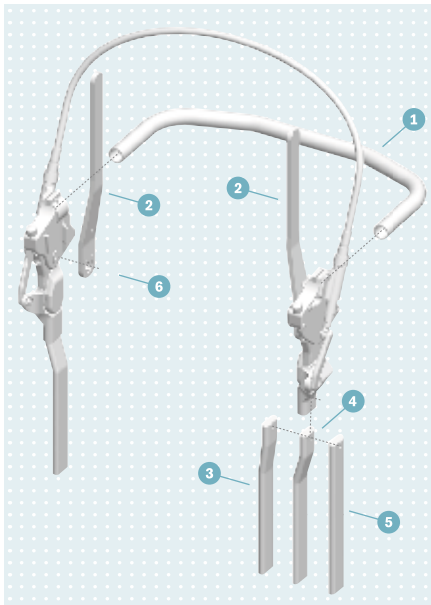
| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------|-----------|---------------|
| 17Y130=270 | 17H100=1 | Aluminium | Piece |
| 17Y130=280 | 17H100=1 | Aluminium | Piece |
| 17Y130=290 | 17H100=1 | Aluminium | Piece |
| 17Y130=320 | 17H100=1 | Aluminium | Piece |
| 17Y130=330 | 17H100=1 | Aluminium | Piece |
| 17Y130=340 | 17H100=1 | Aluminium | Piece |
| 17Y130=350 | 17H100=0 | Aluminium | Piece |
| 17Y130=360 | 17H100=0 | Aluminium | Piece |
| 17Y130=370 | 17H100=0 | Aluminium | Piece |
| 17Y130=380 | 17H100=0 | Aluminium | Piece |

(1) Pelvic tube

Reference number 17Y140

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------|-----------|---------------|
| 17Y140=200 | 17H100=2 | Aluminium | Piece |
| 17Y140=210 | 17H100=2 | Aluminium | Piece |
| 17Y140=220 | 17H100=2 | Aluminium | Piece |
| 17Y140=230 | 17H100=2 | Aluminium | Piece |
| 17Y140=240 | 17H100=2 | Aluminium | Piece |
| 17Y140=250 | 17H100=2 | Aluminium | Piece |
| 17Y140=260 | 17H100=2 | Aluminium | Piece |



(2) Torso bar

Reference number 17Y132

Technical data

| Article number | Spare part for | Side | Material | Quantity unit |
|----------------|----------------------|-----------|-----------|---------------|
| 17Y132=L | 17H100=0 17H100=1 | left (L) | Aluminium | Piece |
| 17Y132=R | 17H100=0 17H100=1 | right (R) | Aluminium | Piece |

(2) Torso bar

Reference number 17Y142

Technical data

| Article number | Spare part for | Side | Material | Quantity unit |
|----------------|----------------|-----------|-----------|---------------|
| 17Y142=L | 17H100=2 | left (L) | Aluminium | Piece |
| 17Y142=R | 17H100=2 | right (R) | Aluminium | Piece |

(3, 4, 5) Thigh bar

Reference number 17Y131

Technical data

| Article number | Spare part for | Frame offset | Material | Quantity unit |
|----------------|----------------------|--------------|-----------|---------------|
| 17Y131=0 | 17H100=0 17H100=1 | 0 mm | Aluminium | Piece |
| 17Y131=5 | 17H100=0 17H100=1 | 5 mm | Aluminium | Piece |
| 17Y131=10 | 17H100=0 17H100=1 | 10 mm | Aluminium | Piece |

(3, 4, 5) Thigh bar

Reference number 17Y143

Technical data

| Article number | Spare part for | Frame offset | Material | Quantity unit |
|----------------|----------------|--------------|-----------|---------------|
| 17Y143=0 | 17H100=2 | 0 mm | Aluminium | Piece |
| 17Y143=5 | 17H100=2 | 5 mm | Aluminium | Piece |
| 17Y143=10 | 17H100=2 | 10 mm | Aluminium | Piece |

(6) Slotted truss head screw

Reference number 501S32

Technical data

| Article number | Spare part for | Thread | Length | Material | Quantity unit |
|------------------|----------------------------------|--------|--------|-----------------|---------------|
| 501S32=M4X10X9.5 | 17H100=0 17H100=1 17H100=2 | M4 | 9.5 mm | Stainless steel | Piece |

Accessory for 17H100



Special adhesive

Reference number 636W18

The special adhesive is suitable for bonding wood and metal. It is particularly recommended for unilateral bar systems.

- For adhering metal to wood
- Especially for unilateral bar systems and E-MAG knee joints
- Base: epoxy resin and pigments (A), polyaminoamide (B)
- Pasty consistency
- Highest strength values when cured between 40–120° C
- In conjunction with 636W19 hardener
- Solvent-free



Technical data

| Article number | Net contents | Packaging |
|----------------|--------------|-----------|
| 636W18 | 0.1 kg | Tube |



Hardener

Reference number 636W19

The hardener is suitable for use with the 636W18 special adhesive.

- For 636W18 special adhesive
- Pasty consistency
- Good full curing



Technical data

| Article number | Net contents | Packaging |
|----------------|--------------|-----------|
| 636W19 | 0.1 kg | Tube |



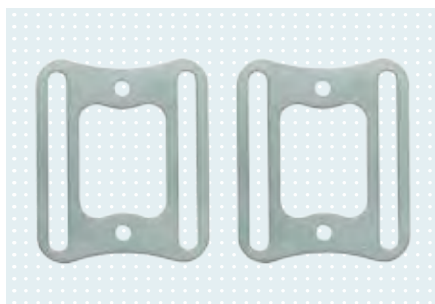
Shrinkable tubing

Reference number 616Z9

This plastic hose with rounded edges is suitable for covering products such as orthotic joints or bars, for example. It offers good insulation, good protection against corrosion and good resistance to liquids.

Technical data

| Article number | Diameter | Length | Colour |
|----------------|----------|--------|--------|
| 616Z9=19X61 | 19 mm | 50 m | Black |
| 616Z9=25.4X30 | 25.4 mm | 50 m | Black |



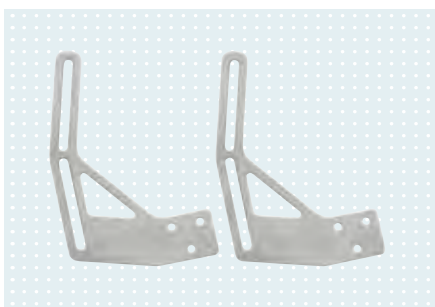
Support fasteners

Reference number 17Y161

One pair of support fasteners for torso bars

Technical data

| Article number | Accessories for | Quantity unit |
|----------------|----------------------------------|---------------|
| 17Y161 | 17H100=0 17H100=1 17H100=2 | Pair |



Buttock support fasteners

Reference number 17Y160

Technical data

| Article number | Accessories for | Quantity unit |
|----------------|----------------------|---------------|
| 17Y160=1 | 17H100=0 17H100=1 | Pair |
| 17Y160=2 | 17H100=2 | Pair |

| Billing address | | Shipping address (if different from customer address) | |
|------------------------|--|---|--|
| Customer no. | | Customer no. | |
| Company | | Company | |
| Street | | Street | |
| Postal code/city | | Postal code/city | |
| Phone number | | Phone number | |
| Orthopaedic technician | | Patient name | |

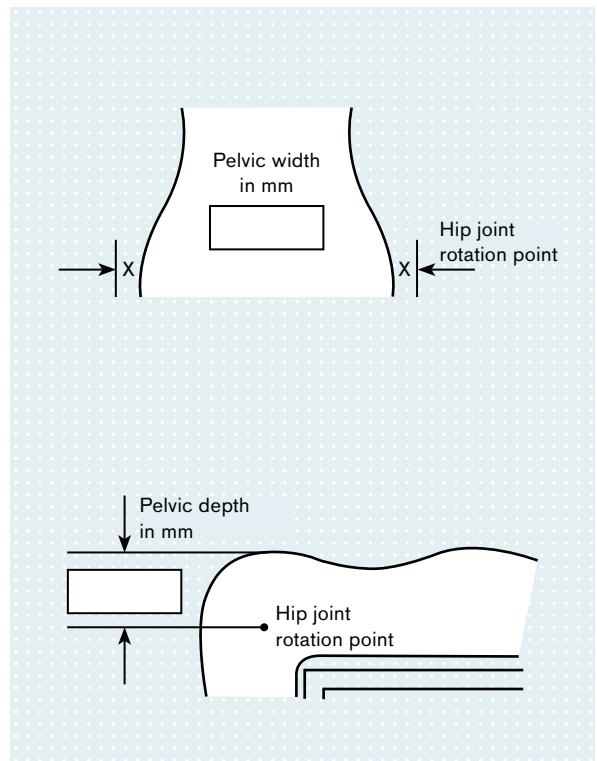
General information:

The RGO hip joint system is suitable for patients up to 65 kg. The system is available in three different versions. 17H100=2 for ages 4-8, up to a body weight of 34 kg. 17H100=1/0 for ages 9 and up, up to a body weight of 65 kg. Pelvic tubes are available in 1 cm increments for clear pelvic widths of 200 mm to 380 mm.

The pelvic width must be measured between the two trochanters in both the sitting and prone position. When selecting the pelvic tube, also take into account the wall thickness of the pelvic module to be fabricated including the padding!

Please check the desired combination!

| Combination | 17H100=2 | 17H100=1 | 17H100=0 |
|-------------|--------------------------|--------------------------|--------------------------|
| | up to 34 kg (75 lbs) | up to 65 kg (143.3 lbs) | up to 65 kg (143.3 lbs) |
| 17Y140=200 | <input type="checkbox"/> | | |
| 17Y140=210 | <input type="checkbox"/> | | |
| 17Y140=220 | <input type="checkbox"/> | | |
| 17Y140=230 | <input type="checkbox"/> | | |
| 17Y140=240 | <input type="checkbox"/> | | |
| 17Y140=250 | <input type="checkbox"/> | | |
| 17Y140=260 | <input type="checkbox"/> | | |
| 17Y130=270 | | <input type="checkbox"/> | |
| 17Y130=280 | | <input type="checkbox"/> | |
| 17Y130=290 | | <input type="checkbox"/> | |
| 17Y130=300 | | <input type="checkbox"/> | |
| 17Y130=310 | | <input type="checkbox"/> | |
| 17Y130=320 | | <input type="checkbox"/> | |
| 17Y130=330 | | <input type="checkbox"/> | |
| 17Y130=340 | | | <input type="checkbox"/> |
| 17Y130=350 | | | <input type="checkbox"/> |
| 17Y130=360 | | | <input type="checkbox"/> |
| 17Y130=370 | | | <input type="checkbox"/> |
| 17Y130=380 | | | <input type="checkbox"/> |



Date Place Signature



HKAFO/HO

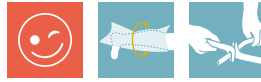
Free motion joints – Conventional orthotic joints



Hip joint bar

Reference number 17H29

Free-motion hip joint for children



Technical data

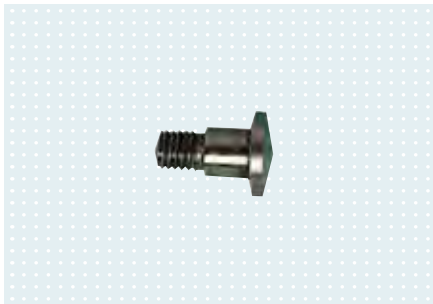
| Article number | Side | Milled head Ø | Bar width | Upper/lower bar length | Thickness | Material | Quantity unit |
|----------------|-----------|---------------|-----------|------------------------|-----------|-----------------|---------------|
| 17H29=L5 | left (L) | 20 mm | 14 mm | 320 / 250 mm | 4 mm | Stainless steel | Piece |
| 17H29=R5 | right (R) | 20 mm | 14 mm | 320 / 250 mm | 4 mm | Stainless steel | Piece |

Information material

647G2

Instructions for use –
system/leg bars

Spare parts for 17H29



Oval head screw, slotted and partially threaded

Reference number 501A21

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------------|-----------------|---------------|
| 501A21 | 17H29=L5 17H29=R5 | Stainless steel | Piece |



Hip joint bar

Reference number 17H23

Free motion joint, without stop, with thrust needle bearing, flat bar profile, for rotation orthosis, Annastift model; hip rotation orthosis



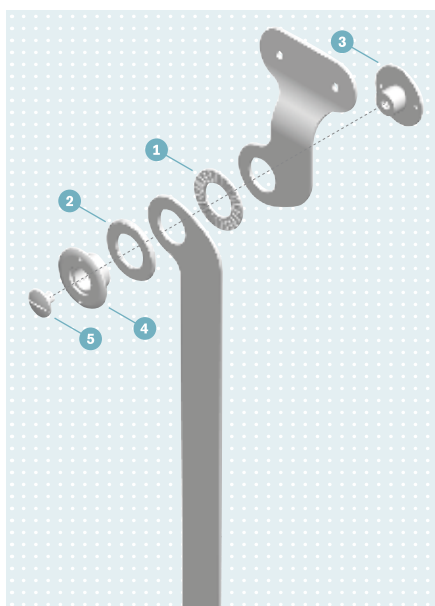
Technical data

| Article number | Side | Thickness | Milled head Ø | Upper/lower bar length | Bar width | Joint head Ø | Material |
|----------------|-----------|-----------|---------------|------------------------|-----------|--------------|-----------------|
| 17H23=L | left (L) | 2 mm | 20 mm | 75 / 450 mm | 24 mm | 30 mm | Stainless steel |
| 17H23=R | right (R) | 2 mm | 20 mm | 75 / 450 mm | 24 mm | 30 mm | Stainless steel |

Information material

647G6 17H23 instructions for use

Spare parts for 17H23



(1) Thrust needle bearing

Reference number 509N3

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 509N3 | Piece |

(2) Retainer ring for thrust needle bearing

Reference number 509N4

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 509N4 | Piece |

(3) Two-hole screw

Reference number 17Z49

Technical data

| Article number | Material | Quantity unit |
|----------------|-----------------|---------------|
| 17Z49 | Stainless steel | Piece |

(4) Two-hole nut

Reference number 17Y50

Technical data

| Article number | Material | Quantity unit |
|----------------|-----------------|---------------|
| 17Y50 | Stainless steel | Piece |

(5) Slotted oval head screw

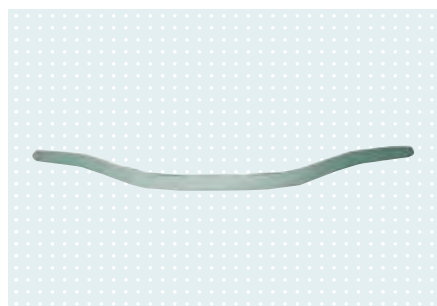
Reference number 501S47

Technical data

Article number

501S47

Accessory for 17H23

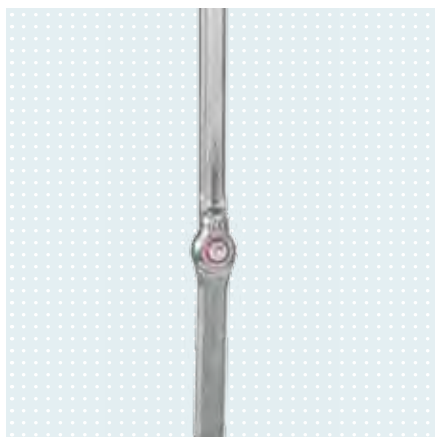


Pelvic band

Reference number 17Z8

Technical data

| Article number | Length | Material | Quantity unit |
|----------------|--------|-----------|---------------|
| 17Z8=680 | 680 mm | Aluminium | Piece |
| 17Z8=780 | 780 mm | Aluminium | Piece |
| 17Z8=880 | 880 mm | Aluminium | Piece |



Hip joint bar

Reference number 17HF1

Free motion hip joint



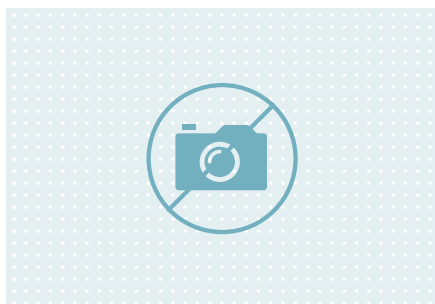
Technical data

| Article number | Upper/lower bar length | Bar width top/bottom | Bar thickness top/bottom | Material | Quantity unit |
|----------------|------------------------|----------------------|--------------------------|----------|---------------|
| 17HF1=13-CS | 300 / 195 mm | 12,7 / 14,28 mm | 4,75 / 4,75 mm | Steel | Pair |
| 17HF1=16-CS | 400 / 270 mm | 15.87 / 19 mm | 6,35 / 4,75 mm | Steel | Pair |

Information material

| | |
|-----------------|---|
| 646D1279=EN_INT | Conventional joint bar system information for practitioners |
| 647G1423 | 17HF1 / 17HL1 / 17HL4 instructions for use |

Spare parts for 17HF1



Service set

Reference number 17KHS=3

Service set for hip and knee joints

Technical data

| Article number | Spare part for | Scope of delivery |
|----------------|----------------|---|
| 17KHS=3 | 17HF1=13-CS | Bearing nut Bushing Flat round disk with slot Red washer Compression spring Truss head screw with slot Spring-loaded thrust piece |



Service set

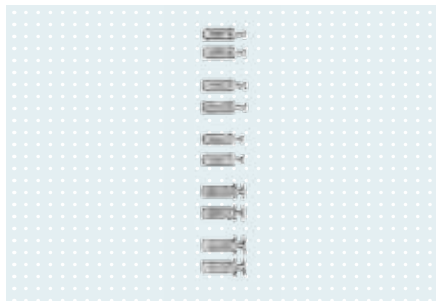
Reference number 17KHS=2

Service set for hip and knee joints

Technical data

| Article number | Spare part for | Scope of delivery |
|----------------|----------------|---|
| 17KHS=2 | 17HF1=16-CS | Bearing nut Bushing Flat round disk with slot Red washer Compression spring Truss head screw with slot Spring-loaded thrust piece |

Accessory for 17HF1



Alignment insert set

Reference number 743Y57

Technical data

Article number

743Y57

Accessories for

17HF1=13-CS

17HF1=16-CS



System hip joint

Reference number 17B82

Contoured upper joint section, free motion, with ball bearing



Technical data

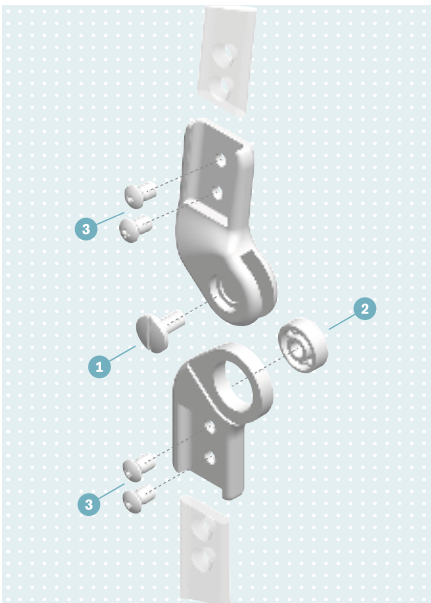
| Article number | Side | System width | Milled head | Length from joint centre upper | Length from joint centre lower | Material | Quantity unit |
|----------------|-----------|--------------|-------------|--------------------------------|--------------------------------|-----------------|---------------|
| 17B82=L16 | left (L) | 16 mm | 25x5 mm | 44 mm | 42 mm | Stainless steel | Piece |
| 17B82=R16 | right (R) | 16 mm | 25x5 mm | 44 mm | 42 mm | Stainless steel | Piece |
| 17B82=L20 | left (L) | 20 mm | 25x5 mm | 44 mm | 42 mm | Stainless steel | Piece |
| 17B82=R20 | right (R) | 20 mm | 25x5 mm | 44 mm | 42 mm | Stainless steel | Piece |

Information material

647G2

Instructions for use – system/leg bars

Spare parts for 17B82



(1) Oval head screw, slotted and partially threaded

Reference number 501A6

Technical data

| Article number | Material | Quantity unit |
|----------------|-----------|---------------|
| 501A6=5X5XM5 | Edelstahl | piece |

(2) Ball bearing

Reference number 509K11

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|--|---------------|
| 509K11=5X16X5 | 17B82=L16 17B82=R16 17B82=L20 17B82=R20 | Piece |

(3) Phillips oval head screw

Reference number 501T7

Technical data

| Article number | Spare part for | Length | Head Ø | Material | Quantity unit |
|----------------|--|--------|--------|-----------------|---------------|
| 501T7=7.5X9XM5 | 17B82=L16 17B82=R16 17B82=L20 17B82=R20 | 9 mm | 7.5 mm | Stainless steel | Piece |

Accessory for 17B82



System lamination bar

Reference number 17Y128

The system lamination bars are glued with Ottobock special adhesive.

Technical data

| Article number | System width | Length | Thickness | Material | Quantity unit |
|----------------|--------------|--------|-----------|-----------------|---------------|
| 17Y128=16X80 | 16 mm | 80 mm | 4 mm | Stainless steel | Piece |
| 17Y128=20X80 | 20 mm | 80 mm | 4 mm | Stainless steel | Piece |
| 17Y128=16X100 | 16 mm | 100 mm | 4 mm | Stainless steel | Piece |
| 17Y128=20X100 | 20 mm | 100 mm | 4 mm | Stainless steel | Piece |



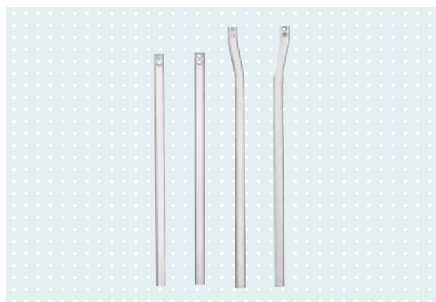
System lamination bar with contoured calf

Reference number 17Y129

The system lamination bars are glued with Ottobock special adhesive.

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17Y129=L16 | left (L) | 16 mm | 100 mm | 4 mm | Piece |
| 17Y129=R16 | right (R) | 16 mm | 100 mm | 4 mm | Piece |
| 17Y129=L20 | left (L) | 20 mm | 100 mm | 4 mm | Piece |
| 17Y129=R20 | right (R) | 20 mm | 100 mm | 4 mm | Piece |



System side bar set

Reference number 17B38

Flat, consisting of two 17B4 and 17B4=T upper side bars and one 17B5 and 17B5=T lower side bar each for the left and right sides, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B38=16 | 16 mm | 4 mm | Set |
| 17B38=16-T | 16 mm | 4 mm | Set |
| 17B38=20 | 20 mm | 4 mm | Set |
| 17B38=20-T | 20 mm | 4 mm | Set |



System side bar set

Reference number 17B39

Consisting of two upper side bars and one left and one right lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B39=16 | 16 mm | 5 mm | Set |
| 17B39=20 | 20 mm | 5 mm | Set |



System side bar set

Reference number 17B85

Concave, consisting of two 17B88 upper side bars and one left and one right 17B89 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B85=16 | 16 mm | 5 mm | Set |
| 17B85=20 | 20 mm | 5 mm | Set |



System side bar set

Reference number 17B40

Overlength, flat, consisting of two 17B4 upper side bars and one left and one right 17B102 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B40=16 | 16 mm | 4 mm | Set |
| 17B40=20 | 20 mm | 4 mm | Set |



System side bar set

Reference number 17B84

Concave, consisting of two 17B86 upper side bars and one left and one right 17B87 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B84=16 | 16 mm | 4 mm | Set |
| 17B84=20 | 20 mm | 4 mm | Set |



System side bar set, extra long

Reference number 17B41

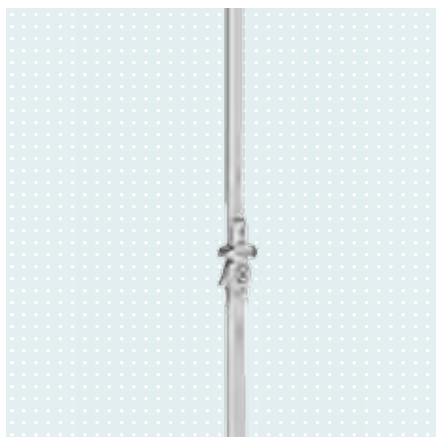
Consisting of two 17B6 upper side bars and one left and one right 17B104 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B41=16 | 16 mm | 5 mm | Set |
| 17B41=20 | 20 mm | 5 mm | Set |

HKAFO/HO

Locked hip joints – Conventional orthotic joints



Hip joint bar with double lock

Reference number 17HL5

With double ring lock for locking at 90° and 180°, supplied in pairs, supports:

- Locking for stable standing (180°)
- Locking for stable sitting (90°)



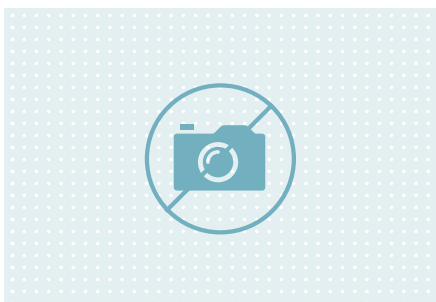
Technical data

| Article number | Upper/lower bar length | Bar width top/bottom | Bar thickness top/bottom | Material | Quantity unit |
|----------------|------------------------|----------------------|--------------------------|----------|---------------|
| 17HL5=13-CS | 300 / 250 mm | 12,7 / 12,7 mm | 4,76 / 4,76 mm | Steel | Pair |

Information material

| | |
|-----------------|---|
| 646D1279=EN_INT | Conventional joint bar system information for practitioners |
| 647G1320 | 17HL5 instructions for use |

Spare parts for 17HL5



Service set

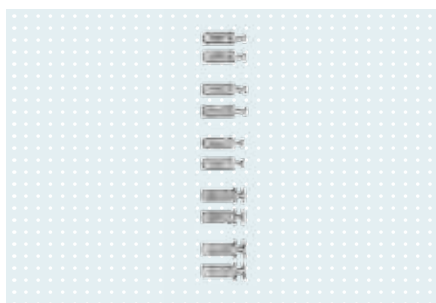
Reference number 17KHS=3

Service set for hip and knee joints

Technical data

| Article number | Spare part for | Scope of delivery |
|----------------|----------------|---|
| 17KHS=3 | 17HL5=13-CS | Bearing nut Bushing Flat round disk with slot Red washer Compression spring Truss head screw with slot Spring-loaded thrust piece |

Accessory for 17HL5

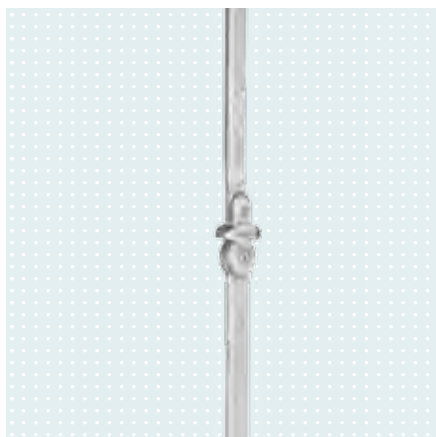


Alignment insert set

Reference number 743Y57

Technical data

| Article number | Accessories for |
|----------------|-----------------|
| 743Y57 | 17HL5=13-CS |



Locked hip joint bar

Reference number 17HL1



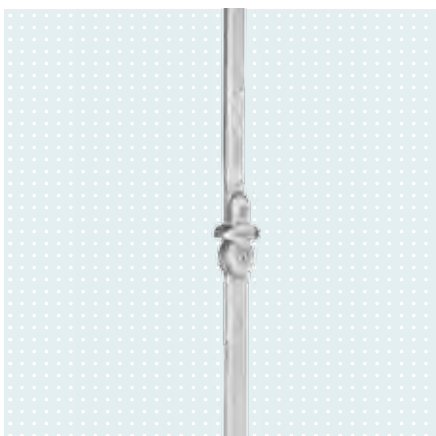
Technical data

| Article number | Upper/lower bar length | Bar width top/bottom | Bar thickness top/bottom | Material | Quantity unit |
|----------------|------------------------|----------------------|--------------------------|----------|---------------|
| 17HL1=13-CS | 300 / 200 mm | 12,7 / 14,28 mm | 4,75 / 4,75 mm | Steel | Pair |
| 17HL1=16-CS | 400 / 270 mm | 15,87 / 19 mm | 6,35 / 4,75 mm | Steel | Pair |

- Manual = the ring lock must be manually moved into the locked position

Information material

| | |
|-----------------|---|
| 646D1279=EN_INT | Conventional joint bar system information for practitioners |
| 647G1423 | 17HF1 / 17HL1 / 17HL4 instructions for use |



Locked hip joint bar

Reference number 17HL4



Technical data

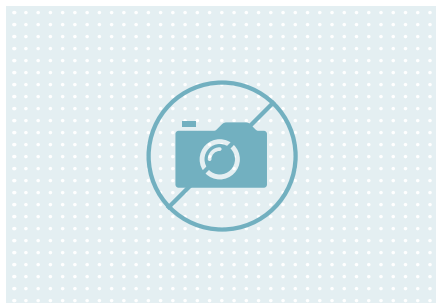
| Article number | Upper/lower bar length | Bar width top/bottom | Bar thickness top/bottom | Material | Quantity unit |
|----------------|------------------------|----------------------|--------------------------|----------|---------------|
| 17HL4=13-CS | 300 / 200 mm | 12,7 / 14,28 mm | 4,75 / 4,75 mm | Steel | Pair |
| 17HL4=16-CS | 400 / 270 mm | 15,87 / 19 mm | 6,35 / 4,75 mm | Steel | Pair |

- Automatic = a spring presses the ring lock into the locked position

Information material

| | |
|-----------------|---|
| 646D1279=EN_INT | Conventional joint bar system information for practitioners |
| 647G1423 | 17HF1 / 17HL1 / 17HL4 instructions for use |

Spare parts for 17HL4, 17HL4



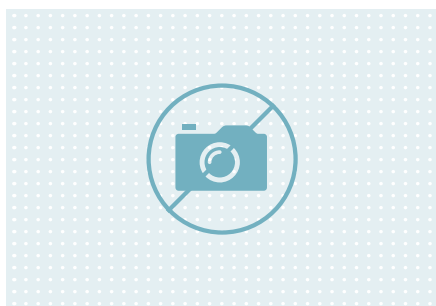
Service set

Reference number 17KHS=3

Service set for hip and knee joints

Technical data

| Article number | Spare part for | Scope of delivery |
|----------------|----------------------------|---|
| 17KHS=3 | 17HL1=13-CS 17HL4=13-CS | Bearing nut Bushing Flat round disk with slot Red washer Compression spring Truss head screw with slot Spring-loaded thrust piece |



Service set

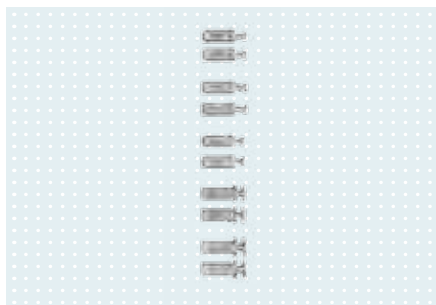
Reference number 17KHS=2

Service set for hip and knee joints

Technical data

| Article number | Spare part for | Scope of delivery |
|----------------|----------------------------|---|
| 17KHS=2 | 17HL1=16-CS 17HL4=16-CS | Bearing nut Bushing Flat round disk with slot Red washer Compression spring Truss head screw with slot Spring-loaded thrust piece |

Accessory for 17HL1, 17HL1



Alignment insert set

Reference number 743Y57

Technical data

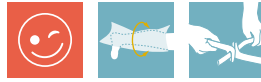
| Article number | Accessories for |
|----------------|--|
| 743Y57 | 17HL1=13-CS 17HL1=16-CS 17HL4=13-CS 17HL4=16-CS |



Hip joint bar

Reference number 17H34

Locked hip joint with ring lock and abduction joint, flat bar profile



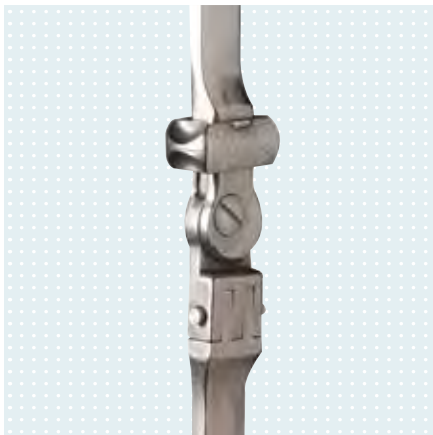
Technical data

| Article number | Side | Thickness | Width | Milled head Ø | Upper/lower bar length | Material | Quantity unit |
|----------------|-----------|-----------|-------|---------------|------------------------|-----------------|---------------|
| 17H34=L | left (L) | 5 mm | 19 mm | 30 mm | 360 / 250 mm | Stainless steel | Piece |
| 17H34=R | right (R) | 5 mm | 19 mm | 30 mm | 360 / 250 mm | Stainless steel | Piece |

Information material

647G2

Instructions for use – system/leg bars



Hip joint bar

Reference number 17H26

Locked hip joint with ring lock and abduction joint, flat bar profile



Technical data

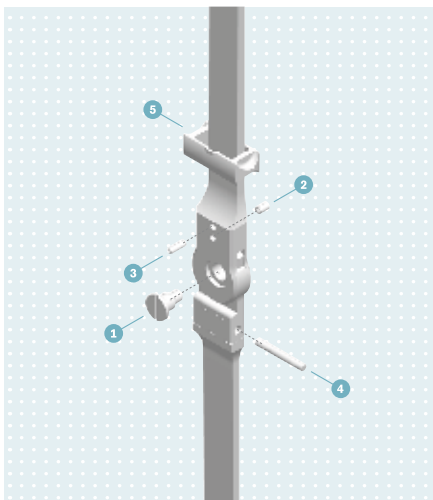
| Article number | Side | Thickness | Width | Milled head Ø | Upper/lower bar length | Material | Quantity unit |
|----------------|-----------|-----------|-------|---------------|------------------------|-----------------|---------------|
| 17H26=L5 | left (L) | 4 mm | 14 mm | 20 mm | 320 / 250 mm | Stainless steel | Piece |
| 17H26=R5 | right (R) | 4 mm | 14 mm | 20 mm | 320 / 250 mm | Stainless steel | Piece |

Information material

647G2

Instructions for use – system/leg bars

Spare parts for 17H34, 17H26

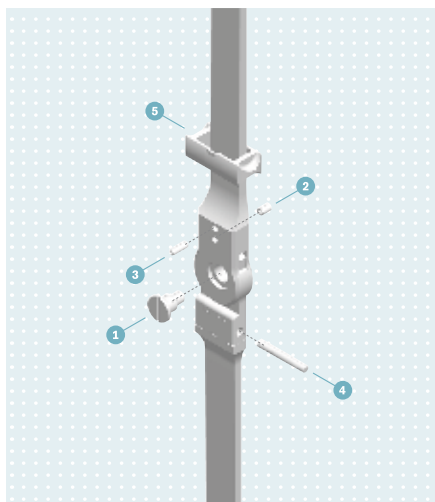


(1) Oval head screw, slotted and partially threaded

Reference number 501A21

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------------|-----------------|---------------|
| 501A21 | 17H26=L5 17H26=R5 | Stainless steel | Piece |



(1) Oval head screw, slotted and partially threaded

Reference number 501A29

Technical data

| Article number | Spare part for | Material | Quantity unit |
|--------------------|--------------------|-----------------|---------------|
| 501A29=14X9X6.5XM6 | 17H34=L 17H34=R | Stainless steel | Piece |

(2) Spring-loaded thrust piece

Reference number 501D1

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|--------------------|-----------------|---------------|
| 501D1 | 17H34=L 17H34=R | Stainless steel | Piece |

(3) Clamping sleeve

Reference number 506S1

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|--|-----------------|---------------|
| 506S1=3.5X10 | 17H26=L5 17H26=R5 17H34=L 17H34=R | Stainless steel | Piece |

(4) Rivet pin

Reference number 506A12

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|--|---------------|
| 506A12=4X22 | 17H26=L5 17H26=R5 17H34=L 17H34=R | Piece |

(5) Ring lock

Reference number 17Y31

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|--------------------|-----------------|---------------|
| 17Y31=14X10 | 17H34=L 17H34=R | Stainless steel | Piece |



Hip joint bar

Reference number 17H28

With ring lock, flat bar profile



Technical data

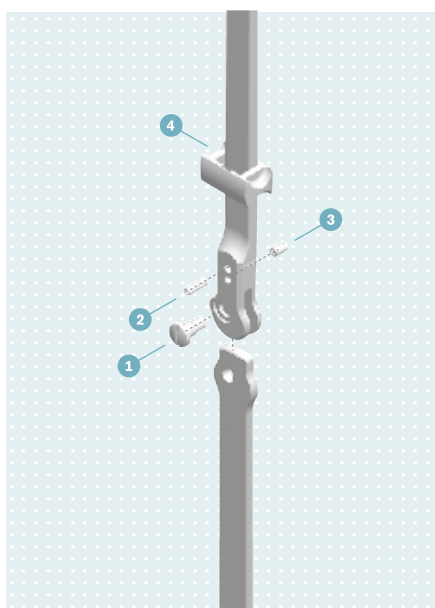
| Article number | Side | Width | Thickness | Milled head Ø | Upper/lower bar length | Material | Quantity unit |
|----------------|-----------|-------|-----------|---------------|------------------------|-----------------|---------------|
| 17H28=L5 | left (L) | 14 mm | 4 mm | 20 mm | 320 / 250 mm | Stainless steel | Piece |
| 17H28=R5 | right (R) | 14 mm | 4 mm | 20 mm | 320 / 250 mm | Stainless steel | Piece |

Information material

647G2

Instructions for use –
system/leg bars

Spare parts for 17H28



(1) Oval head screw, slotted and partially threaded

Reference number 501A21

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------------|-----------------|---------------|
| 501A21 | 17H28=L5 17H28=R5 | Stainless steel | Piece |

(2) Clamping sleeve

Reference number 506S1

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------------|-----------------|---------------|
| 506S1=3.5X10 | 17H28=L5 17H28=R5 | Stainless steel | Piece |

(3) Spring-loaded thrust piece

Reference number 501D1

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------------|-----------------|---------------|
| 501D1 | 17H28=L5 17H28=R5 | Stainless steel | Piece |

(4) Ring lock

Reference number 17Y31

Technical data

| Article number | Spare part for | Material | Quantity unit |
|----------------|----------------------|-----------------|---------------|
| 17Y31=14X10 | 17H28=L5 17H28=R5 | Stainless steel | Piece |





Bars/bar accessories

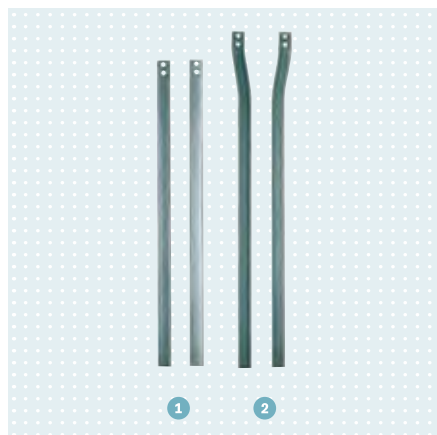
This section contains all bars made of aluminium, steel and titanium.



Visit **Ottobock Scandinavia professionals site** to obtain up-to-date product information at any time.

Bars/bar accessories

Aluminium



System side bar set

Reference number 17B39

Consisting of two upper side bars and one left and one right lower side bar, with Ottobock special adhesive

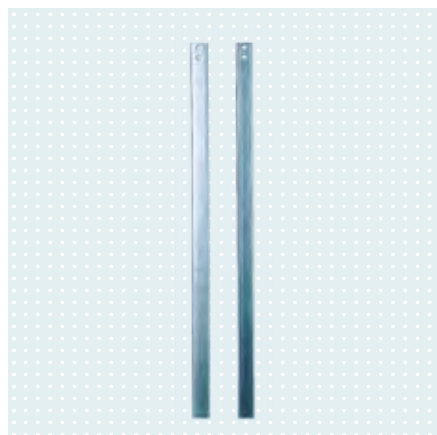
Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B39=16 | 16 mm | 5 mm | Set |
| 17B39=20 | 20 mm | 5 mm | Set |

Information material

| | |
|-------------------|---------------------------------------|
| 646F465=ALL_INT | AFO selection guide |
| 646F595=EN_MASTER | Ankle joints overview |
| 646F596=EN_MASTER | Knee joints overview |
| 647G78=ALL_INT | Light metal bars instructions for use |

Components of 17B39



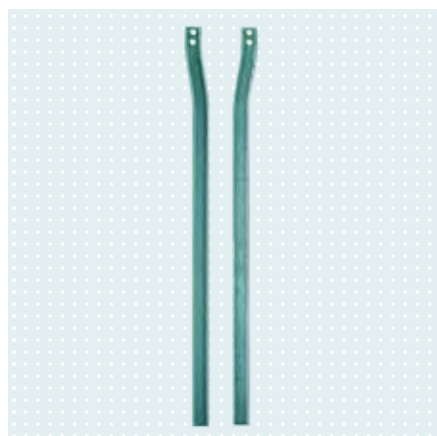
(1) Thigh side bar

Reference number 17B6

Thigh side bar for the 17B39 and 17B41 system side bar sets

Technical data

| Article number | Length | Thickness | System width | Quantity unit |
|----------------|--------|-----------|--------------|---------------|
| 17B6=16 | 410 mm | 5 mm | 16 mm | Piece |
| 17B6=20 | 410 mm | 5 mm | 20 mm | Piece |



(2) Lower leg side bar

Reference number 17B7

Lower leg side bar for the 17B39 system side bar set

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17B7=L16 | left (L) | 16 mm | 450 mm | 5 mm | Piece |
| 17B7=R16 | right (R) | 16 mm | 450 mm | 5 mm | Piece |
| 17B7=L20 | left (L) | 20 mm | 450 mm | 5 mm | Piece |
| 17B7=R20 | right (R) | 20 mm | 450 mm | 5 mm | Piece |



System side bar set, extra long

Reference number 17B41

Consisting of two 17B6 upper side bars and one left and one right 17B104 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B41=16 | 16 mm | 5 mm | Set |
| 17B41=20 | 20 mm | 5 mm | Set |

Information material

647G78=ALL_INT

Light metal bars
instructions for use

Components of 17B41



(1) Thigh side bar

Reference number 17B6

Thigh side bar for the 17B39 and 17B41 system side bar sets

Technical data

| Article number | Length | Thickness | System width | Quantity unit |
|----------------|--------|-----------|--------------|---------------|
| 17B6=16 | 410 mm | 5 mm | 16 mm | Piece |
| 17B6=20 | 410 mm | 5 mm | 20 mm | Piece |



(2) Lower leg side bar

Reference number 17B104

Lower leg side bar from the 17B41 side bar set

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17B104=L16 | left (L) | 16 mm | 560 mm | 5 mm | Piece |
| 17B104=R16 | right (R) | 16 mm | 560 mm | 5 mm | Piece |
| 17B104=L20 | left (L) | 20 mm | 560 mm | 5 mm | Piece |
| 17B104=R20 | right (R) | 20 mm | 560 mm | 5 mm | Piece |

Bars/bar accessories

Aluminium



System side bar set

Reference number 17B85

Concave, consisting of two 17B88 upper side bars and one left and one right 17B89 lower side bar, with Ottobock special adhesive

Technical data

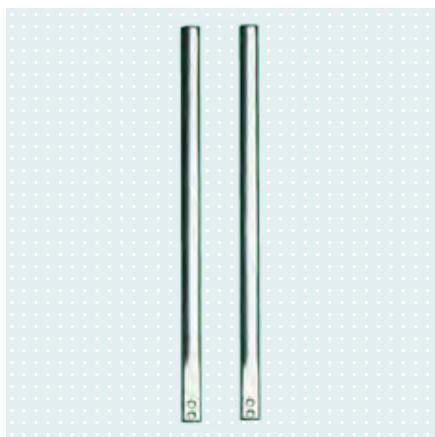
| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B85=16 | 16 mm | 5 mm | Set |
| 17B85=20 | 20 mm | 5 mm | Set |

Information material

647G78=ALL_INT

Light metal bars
instructions for use

Components of 17B85



(1) Thigh side bar

Reference number 17B88

Thigh side bar for 17B85

Technical data

| Article number | System width | Length | Thickness | Quantity unit |
|----------------|--------------|--------|-----------|---------------|
| 17B88=16 | 16 mm | 410 mm | 5 mm | Piece |
| 17B88=20 | 20 mm | 410 mm | 5 mm | Piece |



(2) Lower leg side bar

Reference number 17B89

Lower leg side bar for 17B85

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17B89=L16 | left (L) | 16 mm | 450 mm | 5 mm | Piece |
| 17B89=R16 | right (R) | 16 mm | 450 mm | 5 mm | Piece |
| 17B89=L20 | left (L) | 20 mm | 450 mm | 5 mm | Piece |
| 17B89=R20 | right (R) | 20 mm | 450 mm | 5 mm | Piece |

Accessory for 17B39, 17B41, 17B85



Special adhesive

Reference number 636W18

- For adhering metal to wood
- Especially for unilateral bar systems and E-MAG knee joints
- Base: epoxy resin and pigments (A), polyaminoamide (B)
- Pasty consistency
- Highest strength values when cured between 40–120° C
- In conjunction with 636W19 hardener
- Solvent-free

Information material

646F297=GB

Poster



Technical data

| Article number | Net contents | Packaging |
|----------------|--------------|-----------|
| 636W18 | 0.1 kg | Tube |



Hardener

Reference number 636W19

- For 636W18 special adhesive
- Pasty consistency
- Good full curing

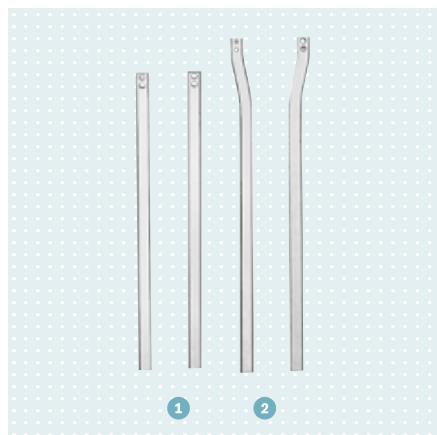


Technical data

| Article number | Net contents | Packaging |
|----------------|--------------|-----------|
| 636W19 | 0.1 kg | Tube |

Bars/bar accessories

Steel



System side bar set

Reference number 17B38

Flat, consisting of two 17B4 and 17B4=T upper side bars and one 17B5 and 17B5=T lower side bar each for the left and right sides, with Ottobock special adhesive

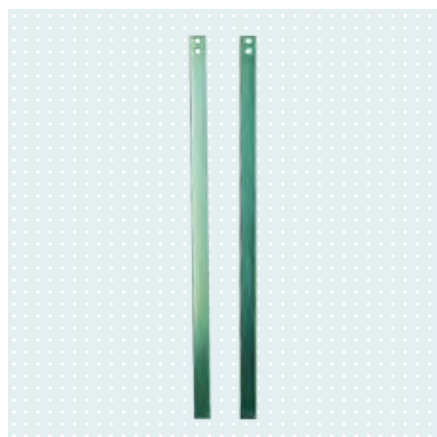
Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B38=16 | 16 mm | 4 mm | Set |
| 17B38=20 | 20 mm | 4 mm | Set |

Information material

| | |
|-------------------|--|
| 646F465=ALL_INT | AFO selection guide |
| 646F595=EN_MASTER | Ankle joints overview |
| 646F596=EN_MASTER | Knee joints overview |
| 647G2 | Instructions for use – system/leg bars |

Components of 17B38



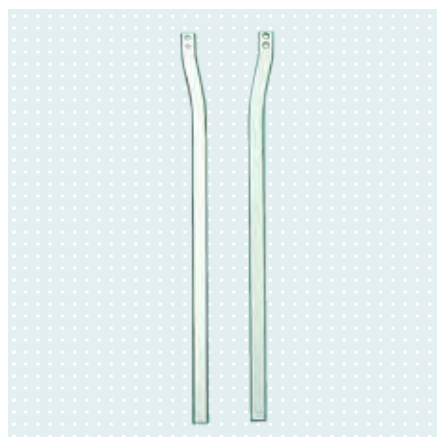
(1) Thigh side bar

Reference number 17B4

Upper side bar

Technical data

| Article number | System width | Length | Thickness | Quantity unit |
|----------------|--------------|--------|-----------|---------------|
| 17B4=16 | 16 mm | 410 mm | 4 mm | Piece |
| 17B4=20 | 20 mm | 410 mm | 4 mm | Piece |



(2) Lower leg side bar

Reference number 17B5

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17B5=L16 | left (L) | 16 mm | 450 mm | 4 mm | Piece |
| 17B5=R16 | right (R) | 16 mm | 450 mm | 4 mm | Piece |
| 17B5=L20 | left (L) | 20 mm | 450 mm | 4 mm | Piece |
| 17B5=R20 | right (R) | 20 mm | 450 mm | 4 mm | Piece |

Accessory for 17B38



Information material

646F297=GB

Poster

Special adhesive

Reference number 636W18

- For adhering metal to wood
- Especially for unilateral bar systems and E-MAG knee joints
- Base: epoxy resin and pigments (A), polyaminoamide (B)
- Pasty consistency
- Highest strength values when cured between 40–120° C
- In conjunction with 636W19 hardener
- Solvent-free



Technical data

| Article number | Net contents | Packaging |
|----------------|--------------|-----------|
| 636W18 | 0.1 kg | Tube |



Hardener

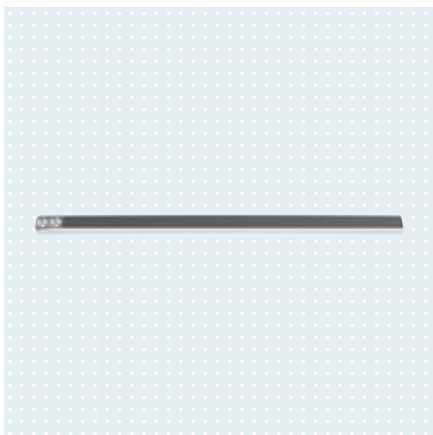
Reference number 636W19

- For 636W18 special adhesive
- Pasty consistency
- Good full curing



Technical data

| Article number | Net contents | Packaging |
|----------------|--------------|-----------|
| 636W19 | 0.1 kg | Tube |



Information material

646F465=ALL_INT

AFO selection guide

646F483=ALL_INT

Nexgear Tango selection guide

646F595=EN_MASTER

Ankle joints overview

647G1425=ALL_INT

17LS3 / 17LV3 / 17SB100 /
17SL100 instructions for use

Side bar

Reference number 17LV3

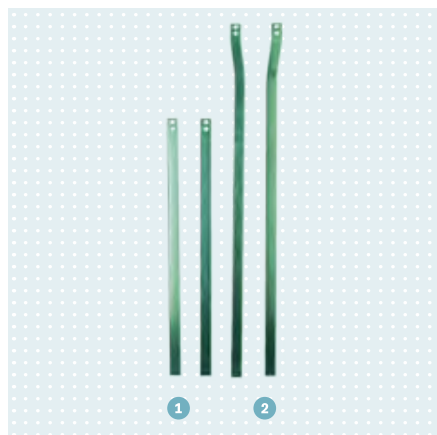
Side bar for the unilateral joint system

Technical data

| Article number | Width | Material | Quantity unit |
|----------------|-------|-----------------|---------------|
| 17LV3=10 | 10 mm | Stainless steel | Piece |
| 17LV3=12 | 12 mm | Stainless steel | Piece |
| 17LV3=14 | 14 mm | Stainless steel | Piece |
| 17LV3=16 | 16 mm | Stainless steel | Piece |
| 17LV3=20 | 20 mm | Stainless steel | Piece |
| 17LV3=L-16 | 16 mm | Stainless steel | Piece |
| 17LV3=L-20 | 20 mm | Stainless steel | Piece |
| 17LV3=R-16 | 16 mm | Stainless steel | Piece |
| 17LV3=R-20 | 20 mm | Stainless steel | Piece |

Bars/bar accessories

Steel



System side bar set

Reference number 17B40

Overlength, flat, consisting of two 17B4 upper side bars and one left and one right 17B102 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B40=16 | 16 mm | 4 mm | Set |
| 17B40=20 | 20 mm | 4 mm | Set |

Information material

647G2

Instructions for use –
system/leg bars

Components of 17B40



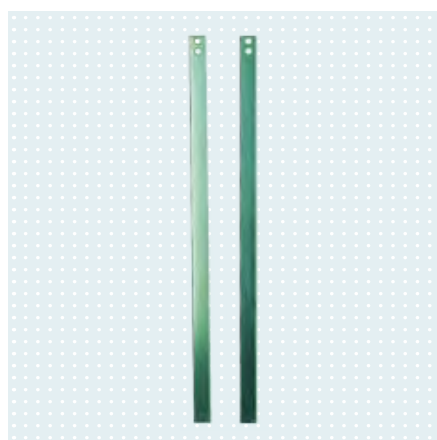
(1) Lower leg side bar

Reference number 17B102

Lower leg side bar made of stainless steel

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17B102=L16 | left (L) | 16 mm | 560 mm | 4 mm | Piece |
| 17B102=R16 | right (R) | 16 mm | 560 mm | 4 mm | Piece |
| 17B102=L20 | left (L) | 20 mm | 560 mm | 4 mm | Piece |
| 17B102=R20 | right (R) | 20 mm | 560 mm | 4 mm | Piece |



(2) Thigh side bar

Reference number 17B4

Upper side bar

Technical data

| Article number | System width | Length | Thickness | Quantity unit |
|----------------|--------------|--------|-----------|---------------|
| 17B4=16 | 16 mm | 410 mm | 4 mm | Piece |
| 17B4=20 | 20 mm | 410 mm | 4 mm | Piece |



System side bar set

Reference number 17B84

Concave, consisting of two 17B86 upper side bars and one left and one right 17B87 lower side bar, with Ottobock special adhesive

Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B84=16 | 16 mm | 4 mm | Set |
| 17B84=20 | 20 mm | 4 mm | Set |

Information material

647G2

Instructions for use –
system/leg bars

Components of 17B84



(1) Thigh side bar

Reference number 17B86

Thigh side bar for the 17B84 system side bar set

Technical data

| Article number | System width | Length | Thickness | Quantity unit |
|----------------|--------------|--------|-----------|---------------|
| 17B86=16 | 16 mm | 410 mm | 4 mm | Piece |
| 17B86=20 | 20 mm | 410 mm | 4 mm | Piece |



(2) Lower leg side bar

Reference number 17B87

Lower leg side bar for the 17B84 system side bar set

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17B87=L16 | left (L) | 16 mm | 450 mm | 4 mm | Piece |
| 17B87=R16 | right (R) | 16 mm | 450 mm | 4 mm | Piece |
| 17B87=L20 | left (L) | 20 mm | 450 mm | 4 mm | Piece |
| 17B87=R20 | right (R) | 20 mm | 450 mm | 4 mm | Piece |

Bars/bar accessories

Steel

Accessory for 17B40, 17B84



Special adhesive

Reference number 636W18

- For adhering metal to wood
- Especially for unilateral bar systems and E-MAG knee joints
- Base: epoxy resin and pigments (A), polyaminoamide (B)
- Pasty consistency
- Highest strength values when cured between 40–120° C
- In conjunction with 636W19 hardener
- Solvent-free

Information material

646F297=GB

Poster: adhesives, putties, varnishes and thinners



Technical data

| Article number | Net contents | Packaging |
|----------------|--------------|-----------|
| 636W18 | 0.1 kg | Tube |



Hardener

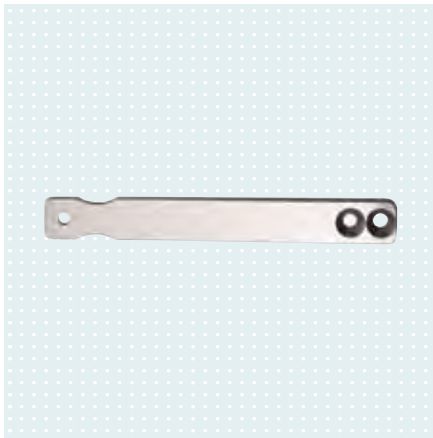
Reference number 636W19

- For 636W18 special adhesive
- Pasty consistency
- Good full curing



Technical data

| Article number | Net contents | Packaging |
|----------------|--------------|-----------|
| 636W19 | 0.1 kg | Tube |



Lamination bar

Reference number 17LS3



Technical data

| Article number | Length | Width | Thickness | Material | Quantity unit |
|----------------|--------|-------|------------------------|-----------------|---------------|
| 17LS3=10 | 80 mm | 10 mm | 5 mm bottom/3 mm top | Stainless steel | Piece |
| 17LS3=12 | 80 mm | 12 mm | 5 mm bottom/3 mm top | Stainless steel | Piece |
| 17LS3=14 | 100 mm | 14 mm | 6 mm bottom/2.5 mm top | Stainless steel | Piece |
| 17LS3=16 | 130 mm | 16 mm | 6 mm bottom/3 mm top | Stainless steel | Piece |
| 17LS3=20 | 130 mm | 20 mm | 6 mm bottom/3 mm top | Stainless steel | Piece |

Information material

| | |
|-------------------|--|
| 646F595=EN_MASTER | Ankle joints overview |
| 646F596=EN_MASTER | Knee joints overview |
| 646F465=ALL_INT | AFO selection guide |
| 647G1425=ALL_INT | 17LS3 / 17LV3 / 17SB100 / 17SL100 instructions for use |



Connection piece with lug

Reference number 17B83

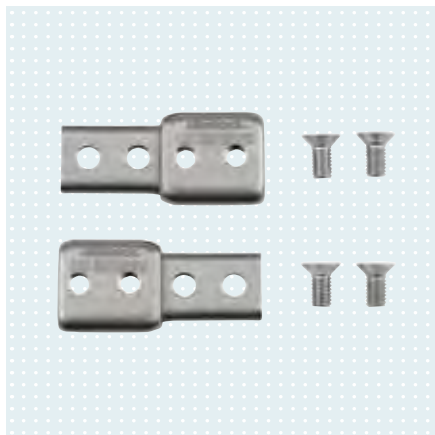
As connection between system hip joint and pelvic band

Technical data

| Article number | For system width | Length | Quantity unit |
|----------------|------------------|--------|---------------|
| 17B83=16 | 16 mm | 150 mm | Piece |
| 17B83=20 | 20 mm | 150 mm | Piece |

Bars/bar accessories

Steel



System compensation piece

Reference number 17B8

To compensate for the difference in length between the system knee and hip joints with and without lock, can be used for contoured joints with restrictions

Technical data

| Article number | For system width | Quantity unit |
|----------------|------------------|---------------|
| 17B8=16 | 16 mm | Pair |
| 17B8=20 | 20 mm | Pair |



Connector with lug

Reference number 17Y61

Technical data

| Article number | For system width | Quantity unit |
|----------------|------------------|---------------|
| 17Y61=16 | 16 mm | Piece |
| 17Y61=20 | 20 mm | Piece |



System lamination bar

Reference number 17Y128

The system lamination bars are glued with Ottobock special adhesive.

Technical data

| Article number | System width | Length | Thickness | Material | Quantity unit |
|----------------|--------------|--------|-----------|-----------------|---------------|
| 17Y128=16X80 | 16 mm | 80 mm | 4 mm | Stainless steel | Piece |
| 17Y128=20X80 | 20 mm | 80 mm | 4 mm | Stainless steel | Piece |
| 17Y128=16X100 | 16 mm | 100 mm | 4 mm | Stainless steel | Piece |
| 17Y128=20X100 | 20 mm | 100 mm | 4 mm | Stainless steel | Piece |

- ⚠ Caution! The system lamination bars always have to be used in pairs in the leg orthosis. Unilateral use can cause the lamination bar to break due to overloading.

Information material

646F465=ALL_INT

AFO selection guide



System lamination bar with contoured calf

Reference number 17Y129

The system lamination bars are glued with Ottobock special adhesive.

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17Y129=L16 | left (L) | 16 mm | 100 mm | 4 mm | Piece |
| 17Y129=R16 | right (R) | 16 mm | 100 mm | 4 mm | Piece |
| 17Y129=L20 | left (L) | 20 mm | 100 mm | 4 mm | Piece |
| 17Y129=R20 | right (R) | 20 mm | 100 mm | 4 mm | Piece |

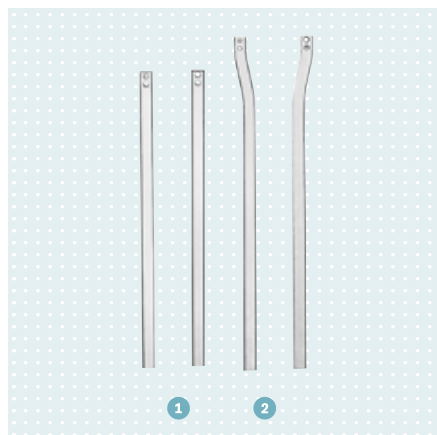
- ⚠ Caution! The system lamination bars always have to be used in pairs in the leg orthosis. Unilateral use can cause the lamination bar to break due to overloading.

Information material

646F465=ALL_INT AFO selection guide

Bars/bar accessories

Titanium



System side bar set

Reference number 17B38

Flat, consisting of two 17B4 and 17B4=T upper side bars and one 17B5 and 17B5=T lower side bar each for the left and right sides, with Ottobock special adhesive

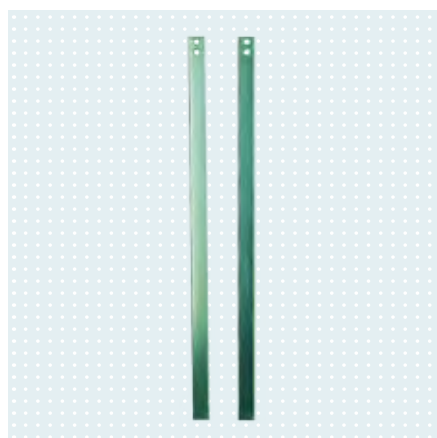
Technical data

| Article number | System width | Thickness | Quantity unit |
|----------------|--------------|-----------|---------------|
| 17B38=16-T | 16 mm | 4 mm | Set |
| 17B38=20-T | 20 mm | 4 mm | Set |

Information material

| | |
|-------------------|--|
| 646F465=ALL_INT | AFO selection guide |
| 646F595=EN_MASTER | Ankle joints overview |
| 646F596=EN_MASTER | Knee joints overview |
| 647G2 | Instructions for use – system/leg bars |

Components of 17B38



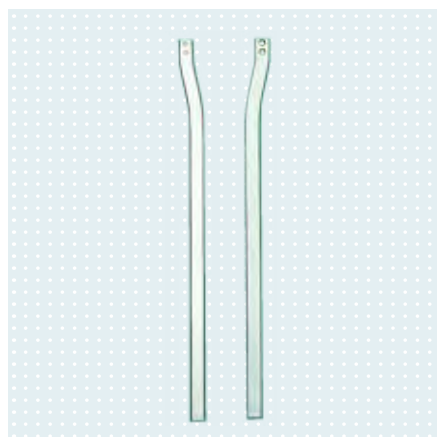
(1) Thigh side bar

Reference number 17B4

Upper side bar

Technical data

| Article number | System width | Length | Thickness | Quantity unit |
|----------------|--------------|--------|-----------|---------------|
| 17B4 | | 410 mm | 4 mm | Piece |
| 17B4=16 | 16 mm | 410 mm | 4 mm | Piece |
| 17B4=16-T | 16 mm | 410 mm | 4 mm | Piece |
| 17B4=20 | 20 mm | 410 mm | 4 mm | Piece |
| 17B4=20-T | 20 mm | 410 mm | 4 mm | Piece |



(2) Lower leg side bar

Reference number 17B5

Technical data

| Article number | Side | System width | Length | Thickness | Quantity unit |
|----------------|-----------|--------------|--------|-----------|---------------|
| 17B5=L16 | left (L) | 16 mm | 450 mm | 4 mm | Piece |
| 17B5=R16 | right (R) | 16 mm | 450 mm | 4 mm | Piece |
| 17B5=L16-T | left (L) | 16 mm | 450 mm | 4 mm | Piece |
| 17B5=R16-T | right (R) | 16 mm | 450 mm | 4 mm | Piece |
| 17B5=L20 | left (L) | 20 mm | 450 mm | 4 mm | Piece |
| 17B5=R20 | right (R) | 20 mm | 450 mm | 4 mm | Piece |
| 17B5=L20-T | left (L) | 20 mm | 450 mm | 4 mm | Piece |
| 17B5=R20-T | right (R) | 20 mm | 450 mm | 4 mm | Piece |

Accessory for 17B38



Information material

646F297=GB

Adhesives, putties,
varnishes and thinners
poster

Special adhesive

Reference number 636W18

- For adhering metal to wood
- Especially for unilateral bar systems and E-MAG knee joints
- Base: epoxy resin and pigments (A), polyaminoamide (B)
- Pasty consistency
- Highest strength values when cured between 40–120° C
- In conjunction with 636W19 hardener
- Solvent-free



Technical data

| Article number | Net contents | Packaging |
|----------------|--------------|-----------|
| 636W18 | 0.1 kg | Tube |



Hardener

Reference number 636W19

- For 636W18 special adhesive
- Pasty consistency
- Good full curing

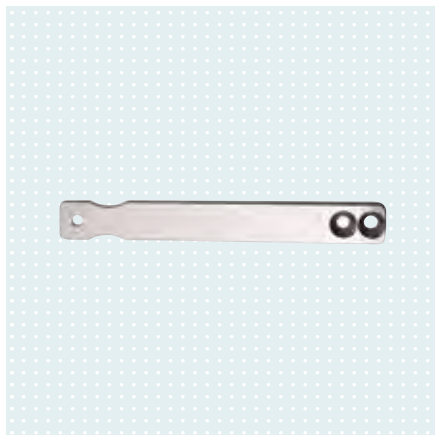


Technical data

| Article number | Net contents | Packaging |
|----------------|--------------|-----------|
| 636W19 | 0.1 kg | Tube |

Bars/bar accessories

Titanium



Lamination bar

Reference number 17LS3

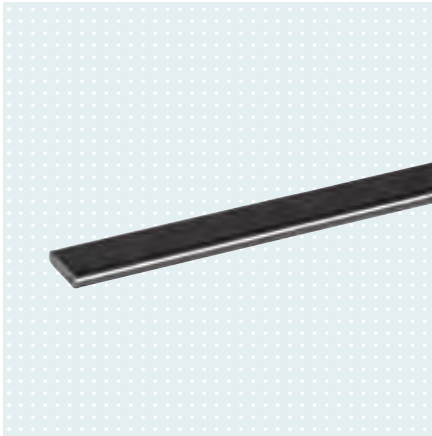


Technical data

| Article number | Length | Width | Thickness | Material | Quantity unit |
|----------------|--------|-------|------------------------|----------|---------------|
| 17LS3=10-T | 80 mm | 10 mm | 5 mm bottom/3 mm top | Titanium | Piece |
| 17LS3=12-T | 80 mm | 12 mm | 5 mm bottom/3 mm top | Titanium | Piece |
| 17LS3=14-T | 100 mm | 14 mm | 6 mm bottom/2.5 mm top | Titanium | Piece |
| 17LS3=16-T | 130 mm | 16 mm | 6 mm bottom/3 mm top | Titanium | Piece |
| 17LS3=20-T | 130 mm | 20 mm | 6 mm bottom, 3 mm top | Titanium | Piece |

Information material

| | |
|-------------------|---|
| 646F595=EN_MASTER | Ankle joints overview |
| 646F596=EN_MASTER | Knee joints overview |
| 646F465=ALL_INT | AFO selection guide |
| 647G1425=ALL_INT | 17LS3 / 17LV3 / 17SB100 / 17SL100 instructions for use |



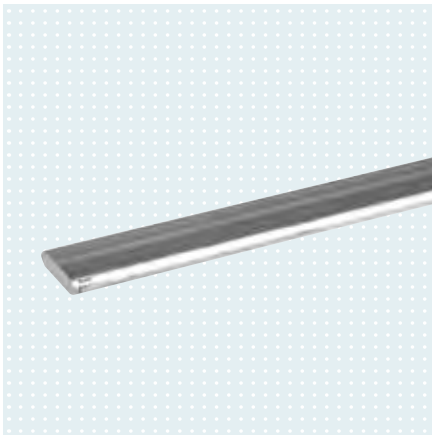
Stainless steel profile rod

Reference number 651P4

Suitable for fabricating system bars, with rounded edges, strength of approx. 800–950 N/mm², spot weldable

Technical data

| Article number | Length | Width | Thickness |
|----------------|----------|-------|-----------|
| 651P4=16 | 2,000 mm | 16 mm | 4 mm |
| 651P4=20 | 2,000 mm | 20 mm | 4 mm |



Light metal profile bar

Reference number 605P8

Suitable for fabricating system splints, with rounded edges, strength approx. 400 N/mm²

Technical data

| Article number | Length | Width | Thickness | For system width |
|----------------|----------|-------|-----------|------------------|
| 605P8=14 | 1000 mm | 14 mm | 5 mm | 14 mm |
| 605P8=16 | 2,000 mm | 16 mm | 5 mm | 16 mm |
| 605P8=20 | 2,000 mm | 20 mm | 5 mm | 20 mm |



Other

All other components, from arm bars to correction joint systems, are presented in this section.



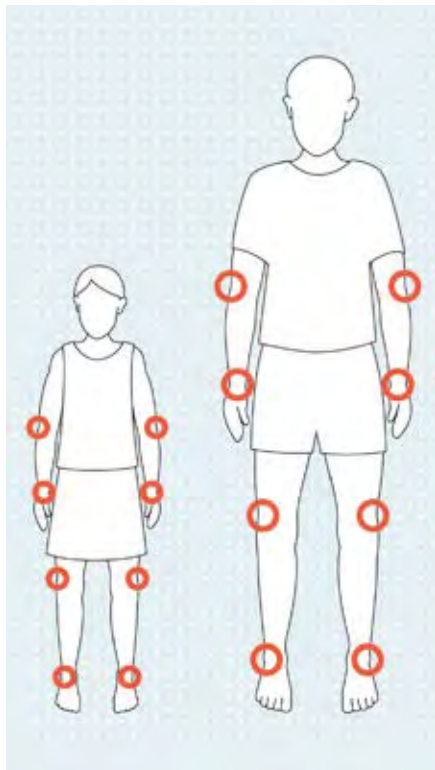
Other

Correction system joints



Information material

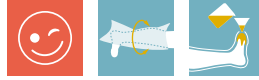
| | |
|-----------------|---|
| 646D449=EN_INT | 17BK1/17BK2 information for practitioners |
| 646D537=ALL_INT | 17BK1 / 17BK2 Quick start guide |
| 647G482 | 17BK1 instructions for use |



Correction system joints

Reference number 17BK1

Static joints for positioning orthoses



Technical data

| Article number | Medial support | Side | System width | Material | Quantity unit |
|----------------|----------------|-----------|--------------|-----------|---------------|
| 17BK1=L1 | 17BK3=18 | left (L) | 20 mm | Aluminium | Piece |
| 17BK1=R1 | 17BK3=18 | right (R) | 20 mm | Aluminium | Piece |
| 17BK1=L2 | 17BK3=18 | left (L) | 16 mm | Aluminium | Piece |
| 17BK1=R2 | 17BK3=18 | right (R) | 16 mm | Aluminium | Piece |
| 17BK1=L3 | 17BK3=14 | left (L) | 14 mm | Aluminium | Piece |
| 17BK1=R3 | 17BK3=14 | right (R) | 14 mm | Aluminium | Piece |
| 17BK1=L4 | 17BK3=14 | left (L) | 12 mm | Aluminium | Piece |
| 17BK1=R4 | 17BK3=14 | right (R) | 12 mm | Aluminium | Piece |

Size recommendation

| User height | Wrist | Elbow joint | Knee joint | Ankle joint |
|-----------------------|-------|-------------|------------|-------------|
| Child up to 1 m | =L/R4 | =L/R4 | =L/R4 | =L/R4 |
| Child 1 to 1.40 m | =L/R4 | =L/R3 | =L/R3 | =L/R3 |
| Adults up to 1.60 m | =L/R4 | =L/R3 | =L/R2 | =L/R2 |
| Adults 1.60 to 1.90 m | =L/R3 | =L/R2 | =L/R1 | =L/R1 |

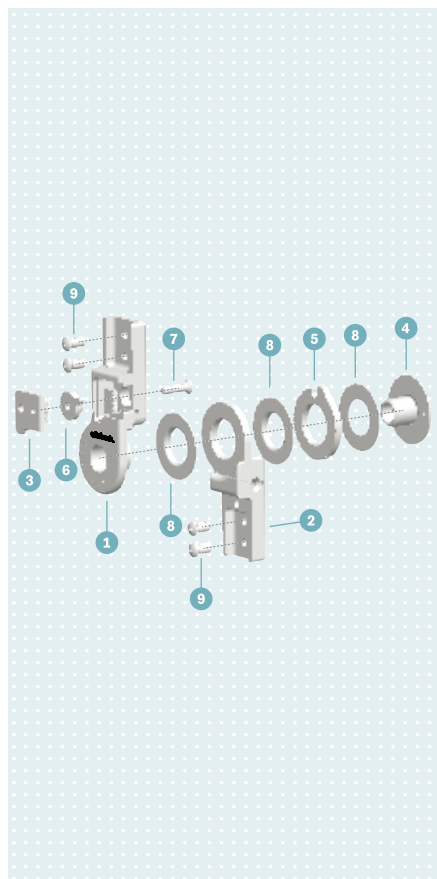
- Delivery condition: the joint is supplied with a wrench for set-up and adjustment.



Practical recommendation 17BK1

Attention: This information is only a recommendation. The correct size for the respective patient must be determined and specified by the O&P professional in each case. The joints are used individually or in pairs depending on the application. We recommend always using a medial support, e.g., an integrated plastic joint. The produce must be used bilaterally (in pairs) for the knee and ankle joints. The left/right side indications refer to application of the joints on the wrist, knee joint or ankle joint. The sides must be reversed for elbow applications to accommodate the anatomical shape of the elbow (right to left and left to right).

Spare parts for 17BK1



(1) Upper joint section

Reference number 17X14

Technical data

| Article number | Spare part for | Side | Quantity unit |
|----------------|----------------|-----------|---------------|
| 17X14=L-1 | 17BK1=L1 | left (L) | Piece |
| 17X14=R-1 | 17BK1=R1 | right (R) | Piece |
| 17X14=L-2 | 17BK1=L2 | left (L) | Piece |
| 17X14=R-2 | 17BK1=R2 | right (R) | Piece |
| 17X14=L-3 | 17BK1=L3 | left (L) | Piece |
| 17X14=R-3 | 17BK1=R3 | right (R) | Piece |
| 17X14=L-4 | 17BK1=L4 | left (L) | Piece |
| 17X14=R-4 | 17BK1=R4 | right (R) | Piece |

(2) Lower joint section

Reference number 17U14

Technical data

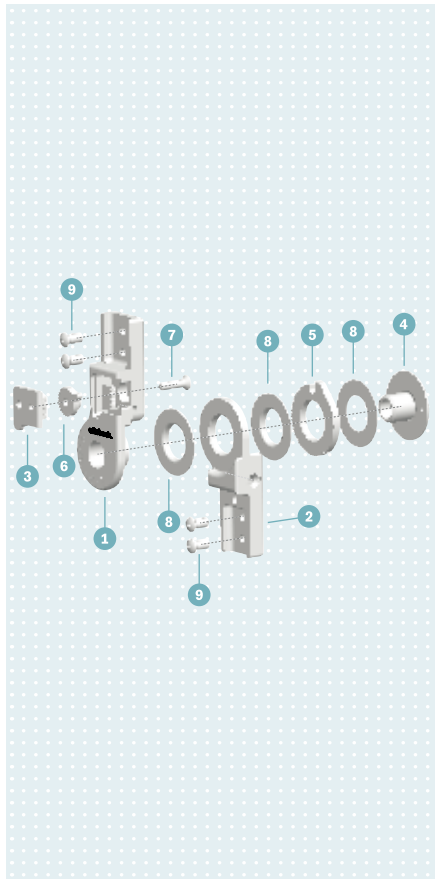
| Article number | Spare part for | Side | Quantity unit |
|----------------|----------------|-----------|---------------|
| 17U14=L-1 | 17BK1=L1 | left (L) | Piece |
| 17U14=R-1 | 17BK1=R1 | right (R) | Piece |
| 17U14=L-2 | 17BK1=L2 | left (L) | Piece |
| 17U14=R-2 | 17BK1=R2 | right (R) | Piece |
| 17U14=L-3 | 17BK1=L3 | left (L) | Piece |
| 17U14=R-3 | 17BK1=R3 | right (R) | Piece |
| 17U14=L-4 | 17BK1=L4 | left (L) | Piece |
| 17U14=R-4 | 17BK1=R4 | right (R) | Piece |

(3) Lock cover

Reference number 30Y154

Technical data

| Article number | Spare part for | Side | Quantity unit |
|----------------|----------------|-----------|---------------|
| 30Y154=L1 | 17BK1=L1 | left (L) | Piece |
| 30Y154=R1 | 17BK1=R1 | right (R) | Piece |
| 30Y154=L2 | 17BK1=L2 | left (L) | Piece |
| 30Y154=R2 | 17BK1=R2 | right (R) | Piece |
| 30Y154=L3 | 17BK1=L3 | left (L) | Piece |
| 30Y154=R3 | 17BK1=R3 | right (R) | Piece |
| 30Y154=R4 | 17BK1=R4 | right (R) | Piece |
| 30Y154=L4 | 17BK1=L4 | left (L) | Piece |



(4) Joint nut

Reference number 30Y156

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|----------------------|---------------|
| 30Y156=1 | 17BK1=L1 17BK1=R1 | Piece |
| 30Y156=2 | 17BK1=L2 17BK1=R2 | Piece |
| 30Y156=3 | 17BK1=L3 17BK1=R3 | Piece |
| 30Y156=4 | 17BK1=L4 17BK1=R4 | Piece |

(5) Gear wheel

Reference number 30Y157

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|----------------------|---------------|
| 30Y157=1 | 17BK1=L1 17BK1=R1 | Piece |
| 30Y157=2 | 17BK1=L2 17BK1=R2 | Piece |
| 30Y157=3 | 17BK1=L3 17BK1=R3 | Piece |
| 30Y157=4 | 17BK1=L4 17BK1=R4 | Piece |

(6) Set wheel with lever

Reference number 30Y212

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|--|---------------|
| 30Y212=1 | 17BK1=L1 17BK1=R1 17BK1=L2 17BK1=R2 17BK1=L3 17BK1=R3 | Piece |
| 30Y212=2 | 17BK1=L4 17BK1=R4 | Piece |

(7) Phillips countersunk head screw

Reference number 501T19

Technical data

| Article number | Spare part for | Thread | Length | Material |
|----------------|--|--------|--------|-----------------|
| 501T19=M3X12-1 | 17BK1=L4 17BK1=R4 | M3 | 12 mm | Stainless steel |
| 501T19=M4X14-1 | 17BK1=L2 17BK1=R2 17BK1=L3 17BK1=R3 | M4 | 14 mm | Stainless steel |
| 501T19=M4X16-1 | 17BK1=L1 17BK1=R1 | M4 | 16 mm | Stainless steel |

(8) Washer set

Reference number 17BK1=S

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|-----------------------------------|---------------|
| 17BK1=S-1 | 17BK1=S-1 17BK1=L1 17BK1=R1 | Piece |
| 17BK1=S-2 | 17BK1=L2 17BK1=R2 | Piece |
| 17BK1=S-3 | 17BK1=L3 17BK1=R3 | Piece |
| 17BK1=S-4 | 17BK1=L4 17BK1=R4 | Piece |

(9) Phillips oval countersunk head screw

Reference number 501S86

Technical data

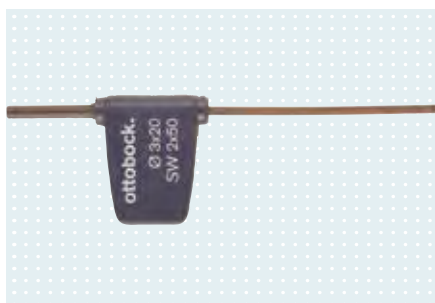
| Article number | Spare part for | Head Ø | Length | Material | Quantity unit |
|-----------------|--|--------|--------|-----------------|---------------|
| 501T7=7.5X11XM5 | 17BK1=L3 17BK1=R3 17BK1=L4 17BK1=R4 | 7,5 mm | 11 mm | Stainless steel | Piece |

(9) Phillips oval countersunk head screw

Reference number 501T7

Technical data

| Article number | Spare part for | Head Ø | Length | Material | Quantity unit |
|-----------------|--|--------|--------|-----------------|---------------|
| 501T7=7.5X11XM5 | 17BK1=L1 17BK1=R1 17BK1=L2 17BK1=R2 | 7,5 mm | 11 mm | Stainless steel | Piece |



Allen wrench

Reference number 710H10

The Allen wrench with wing handle is available as a spare part and is used for adjusting various modular knee joints and modular hip joints.

Technical data

| Article number |
|----------------|
| 710H10=2X3 |

Other

Correction system joints

Accessory for 17BK1



Information material

| | |
|-----------------|---|
| 646D449=EN_INT | 17BK1/17BK2 information for practitioners |
| 646D537=ALL_INT | 17BK1 / 17BK2 Quick start guide |
| 647G605 | 17BK2 Instructions for use |

Dynamic unit for correction system joint

Reference number 17BK2

The 17BK2 dynamic unit is available for all four sizes of the 17BK1 static correction system joint and, depending on the joint size, offers a maximum spring force of approx. 10 Nm. Using the 17BK2 dynamic unit allows for extension or flexion yielding, depending on the joint and indications. Spring force is used to slowly bring the joint back into the desired position.

The spring force is continuously adjustable, allowing for individual dynamic treatment of contractures



Technical data

| Article number | Accessories for | Spring tension | Quantity unit |
|----------------|-----------------|----------------|---------------|
| 17BK2=L1 | 17BK1=L1 | ~ 10 Nm | Piece |
| 17BK2=L2 | 17BK1=L2 | ~ 6 Nm | Piece |
| 17BK2=L3 | 17BK1=L3 | ~ 6 Nm | Piece |
| 17BK2=L4 | 17BK1=L4 | ~ 3 Nm | Piece |
| 17BK2=R1 | 17BK1=R1 | ~ 10 Nm | Piece |
| 17BK2=R2 | 17BK1=R2 | ~ 6 Nm | Piece |
| 17BK2=R3 | 17BK1=R3 | ~ 6 Nm | Piece |
| 17BK2=R4 | 17BK1=R4 | ~ 3 Nm | Piece |

Spare parts for 17BK2

(1) Cover

Reference number 30Y183

Technical data

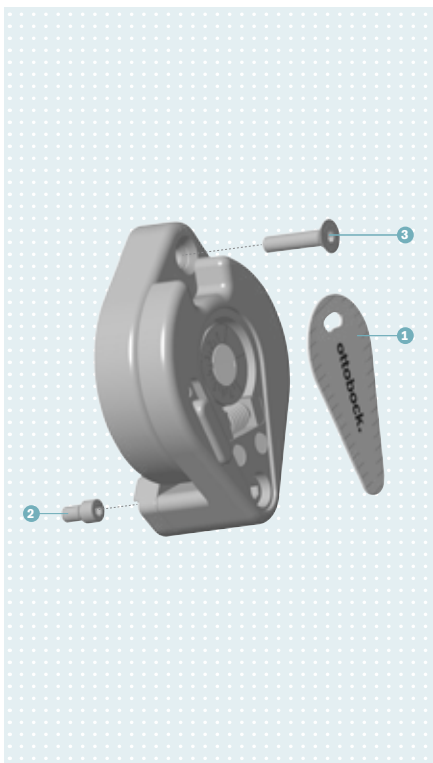
| Article number | Quantity unit |
|----------------|---------------|
| 30Y183=1 | Piece |
| 30Y183=2 | Piece |
| 30Y183=4 | Piece |

(2) Location bolt

Reference number 30Y192

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 30Y192=1 | Piece |
| 30Y192=2 | Piece |
| 30Y192=4 | Piece |



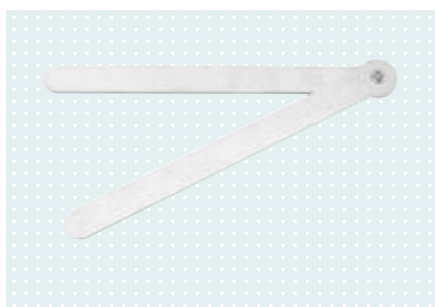
(3) Flat head screw

Reference number 501S84

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 501S84=M5X22 | Piece |
| 501S84=M4X18 | Piece |
| 501S84=M4X17 | Piece |
| 501S84=M3X14 | Piece |

Accessory for 17BK1



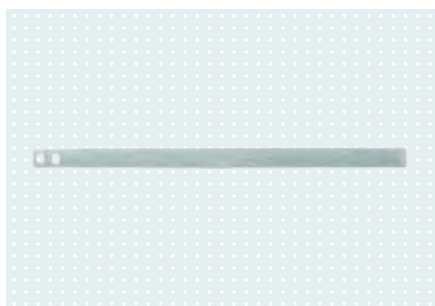
Medial support for correction system joint

Reference number 17BK3

Technical data

| Article number | Material | Quantity unit |
|----------------|-----------|---------------|
| 17BK3=14 | Aluminium | Piece |
| 17BK3=18 | Aluminium | Piece |

• Please note that the size and side of the static and dynamic units have to be identical.



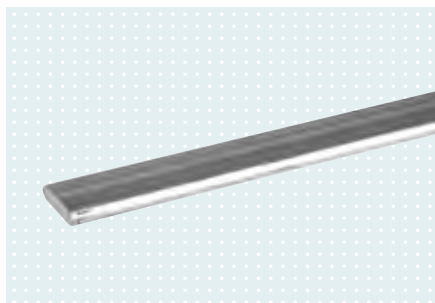
Side bar

Reference number 17F52

Side bar for joints

Technical data

| Article number | Accessories for | Length | Width | Thickness | Material | Quantity unit |
|----------------|----------------------|--------|-------|-----------|-----------|---------------|
| 17F52=12X3X220 | 17BK1=L4 17BK1=R4 | 220 mm | 12 mm | 3 mm | Aluminium | Piece |
| 17F52=14X3X220 | 17BK1=L3 17BK1=R3 | 220 mm | 14 mm | 3 mm | Aluminium | Piece |



Light metal profile bar

Reference number 605P8

- For fabricating system bars
- Strength: approx. 400 N/mm²
- Good malleability by bending
- Round edges

Technical data

| Article number | Accessories for | Length | Width | Thickness | Material |
|----------------|----------------------|----------|-------|-----------|-----------|
| 605P8=16 | 17BK1=L2 17BK1=R2 | 2,000 mm | 16 mm | 5 mm | Aluminium |
| 605P8=20 | 17BK1=L1 17BK1=R1 | 2,000 mm | 20 mm | 5 mm | Aluminium |

Other

Correction system joints

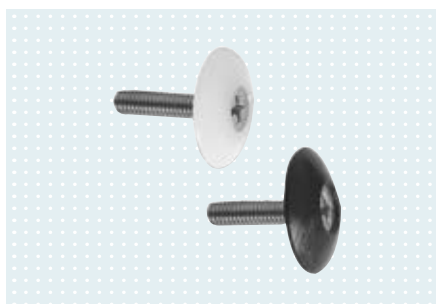


Oval head screw, slotted and partially threaded

Reference number 501A29

Technical data

| Article number | Accessories for | Material | Quantity unit |
|------------------|--|-----------------|---------------|
| 501A29=12X7XM4 | 17BK1=L2 17BK1=R2 17BK1=L3 17BK1=R3 | Stainless steel | Piece |
| 501A29=14X9.5XM6 | 17BK1=L1 17BK1=R1 | Stainless steel | Piece |



Phillips head screw

Reference number 29Y27

The Phillips head screw is available with a white or black plastic head and is suitable for fastening straps.

Technical data

| Article number | Accessories for | Thread | Length | Colour |
|----------------|----------------------|--------|--------|--------|
| 29Y27=M4X20-6 | 17BK1=L4 17BK1=R4 | M4 | 20 mm | White |



Double joint arm bars

Reference number 16U4

The double joint arm bars are free-moving. The bar profile is half-round and hollow. Joint bar length: 270 mm (top/bottom), joint bar width/thickness: 14/2 mm, suitable for orthoses and prostheses.

Technical data

| Article number | Material | Quantity unit |
|----------------|-----------------|---------------|
| 16U4 | Stainless steel | 2 pair |

Information material

647G2

Instructions for use –
system/leg bars



Double joint arm bars

Reference number 16U5

The double joint arm bars are free-moving with a gear ratio. The bar profile is half-round and hollow. Bar length: 270 mm (top/bottom), length of the step-up bar: 105 mm.

Technical data

| Article number | Material | Quantity unit |
|----------------|-----------------|---------------|
| 16U5 | Stainless steel | Pair |

Information material

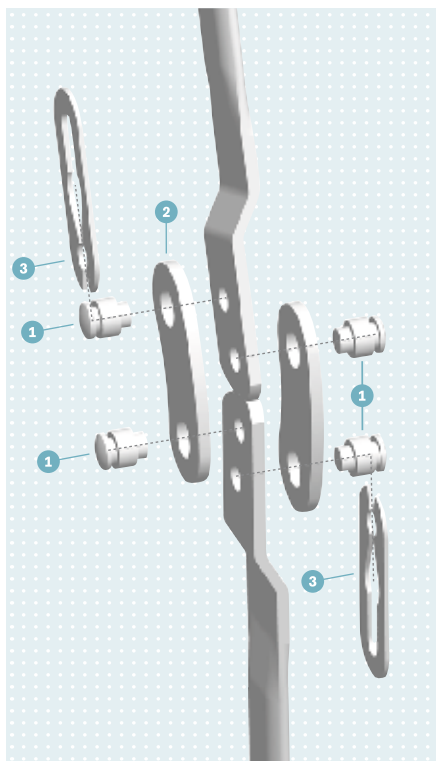
647G2

Instructions for use –
system/leg bars

Other

Arm bars

Spare parts for 16U4, 16U5



(1) Joint bolt, hardened

Reference number 16Y5

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 16Y5 | Piece |

(2) Joint plate

Reference number 16Y9

Technical data

| Article number | Material | Quantity unit |
|----------------|-----------------|---------------|
| 16Y9 | Stainless steel | Piece |

(3) Spring cap

Reference number 16Y6

Technical data

| Article number | Material | Quantity unit |
|----------------|-----------------|---------------|
| 16Y6 | Stainless steel | Piece |



Arm bar with joint

Reference number 16U7

Free motion joint in flexion direction. Width: 14 mm. Material thickness: 2.45 mm. Overall length: 307 mm. Package contents: Two pieces.

Technical data

| Article number | Width | Length from joint center | Material thickness | Material | Quantity unit |
|----------------|-------|--------------------------|--------------------|-----------------|---------------|
| 16U7 | 14 mm | 307 mm | 2.45 mm | Stainless steel | Pair |

Spare parts for 16U7



Joint

Reference number 17F48

Free motion ankle joint

Technical data

| Article number | Material | Quantity unit |
|----------------|-----------------|---------------|
| 17F48-5 | Stainless steel | Piece |

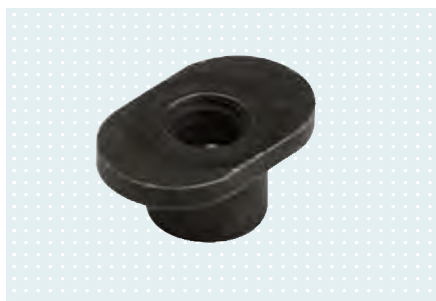


Bushing

Reference number 17Y17

Technical data

| Article number | Table helper variable | Material | Quantity unit |
|----------------|-----------------------|----------|---------------|
| 17Y17=6X8X2.4 | 16U7 | Brass | Piece |



Bearing nut

Reference number 17Y93

Technical data

| Article number | Spare part for | Attachment Ø | Shank length | Quantity unit |
|----------------|----------------|--------------|--------------|---------------|
| 17Y93=6X5.2XM4 | 16U7 | 6 mm | 5.2 mm | Piece |

Other

Arm bars



Slotted truss head screw

Reference number 501S32

Technical data

| Article number | Spare part for | Length | Thread | Material | Quantity unit |
|------------------|----------------|--------|--------|-----------------|---------------|
| 501S32=M4X10X7.5 | 16U7 | 7.5 mm | M4 | Stainless steel | Piece |

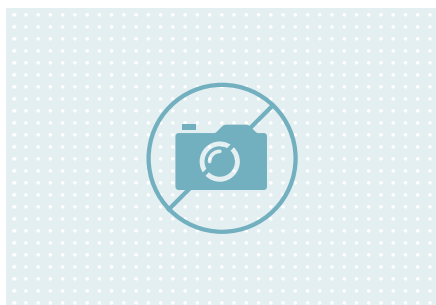


Rivet pin

Reference number 506A12

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|----------------|---------------|
| 506A12=4X6 | 16U7 | Piece |

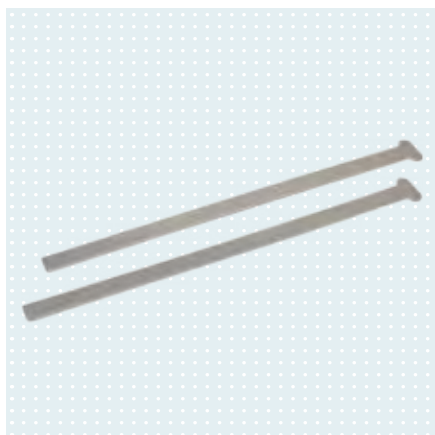


Upper arm bar

Reference number 16Y64

Technical data

| Article number | Spare part for | Quantity unit |
|----------------|----------------|---------------|
| 16Y64 | 16U7 | Piece |



Arm bar

Reference number 16U8

Free motion joint in flexion direction.

Technical data

| Article number | Width | Overall length | Material thickness | Material | Quantity unit |
|----------------|-------|----------------|--------------------|-----------------|---------------|
| 16U8 | 14 mm | 300 mm | 2.45 mm | Stainless steel | Pair |

Spare parts for 16U8



Joint

Reference number 17F48

Technical data

| Article number | Material | Quantity unit |
|----------------|-----------|---------------|
| 17F48=5 | Edelstahl | piece |



Bushing

Reference number 17Y17

Technical data

| Article number | Table helper variable | Material | Quantity unit |
|----------------|-----------------------|----------|---------------|
| 17Y17=6X8X2.4 | 16U7 | Brass | Piece |



Bearing nut

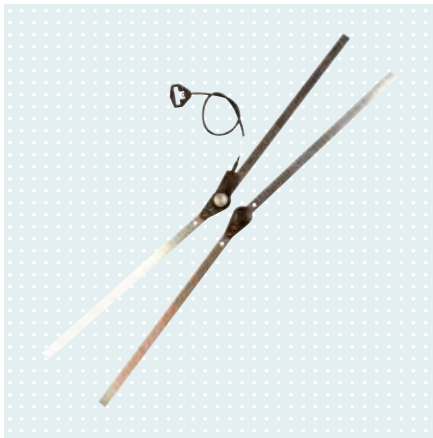
Reference number 17Y93

Technical data

| Article number | Spare part for | Attachment Ø | Shank length | Quantity unit |
|----------------|----------------|--------------|--------------|---------------|
| 17Y93=6X5.2XM4 | 16U8 | 6 mm | 5.2 mm | Piece |

Other

Arm bars



Elbow joint bars

Reference number 16X12

Two joint bars for arm prostheses, usable on both sides. One joint bar has a swivelling cable lock and 18 locking positions in 7.2° increments. The other joint bar has a flat bar profile and no lock.

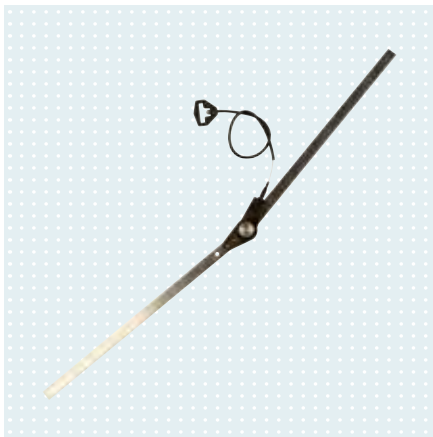
Technical data

| Article number | Head Ø | Material | Quantity unit |
|----------------|--------|-----------------|---------------|
| 16X12 | 30 mm | Stainless steel | Pair |

Information material

647G472 12R5 / 16X12 / 16X13 /
16X14 / 16Y27
instructions for use

Components of 16X12



Elbow joint bar with cable lock

Reference number 16X13

Joint with swivelling cable lock, 18 locking positions in 7.2° increments, flat bar profile, suitable for both sides, for arm prostheses. Head diameter of 30 mm, joint bar length of 320 mm (top and bottom), joint bar width/thickness: 14 / 2 mm.

Technical data

| Article number | Head Ø | Material | Quantity unit |
|----------------|--------|-----------------|---------------|
| 16X13 | 30 mm | Stainless steel | Piece |

Information material

647G472 12R5 / 16X12 / 16X13 /
16X14 / 16Y27
instructions for use



Elbow joint bar without lock

Reference number 16X14

The joint is freely moveable with a flat joint bar profile. Head diameter of 30 mm, joint bar length of 320 mm (top and bottom), joint bar width/thickness: 14 / 2 mm.

Technical data

| Article number | Head Ø | Material | Quantity unit |
|----------------|--------|-----------------|---------------|
| 16X14 | 30 mm | Stainless steel | Piece |

Information material

647G472

12R5 / 16X12 / 16X13 /
16X14 / 16Y27
instructions for use

Spare parts for 16X12



Joint Piece with Cable Lock

Reference number 16Y27

Joint piece with cable lock. 18 locking positions in 7.2° increments, suitable for both sides. With joint bracket and socket screws (oval head screws). Compatible with 12K27, 16X12 and 16X13.

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 16Y27 | Piece |



Joint Piece without Lock

Reference number 16Y31

Joint piece without lock, compatible with 16X12 and 16X14. With joint bracket and socket screws.

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 16Y31=N | Piece |

Other

Arm bars



Pull cable

Reference number 16Y26

The pull cable with threaded connection is a spare part for the 12K27 elbow component and the 16X12 and 16X13 elbow joint bars.

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 16Y26 | Piece |



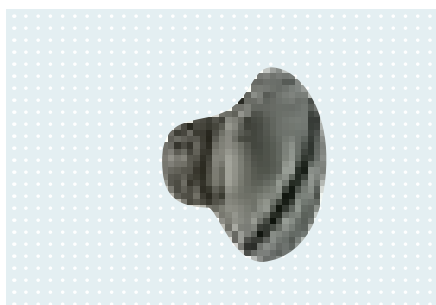
Stirrup with wedge lock

Reference number 21Y79

Belt flap with wedge lock, compatible with 16X12 and 16X13 models.

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 21Y79 | Piece |



Socket screw

Reference number 501S59

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 501S59 | Piece |



Arm bars

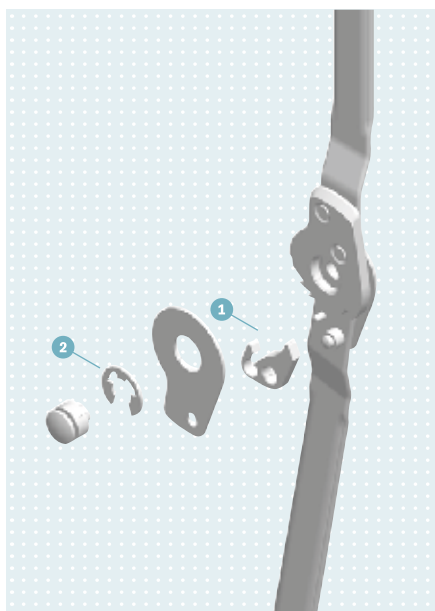
Reference number 16X4

Joints with automatic ratchet lock, locks only in extension direction, releases at a max. flexion of approx. 135°, concave half-round bar profile

Technical data

| Article number | Bar width | Joint bar thickness | Head Ø | Material | Quantity unit |
|----------------|-----------|---------------------|--------|-----------------|---------------|
| 16X4 | 14 mm | 2 mm | 26 mm | Stainless steel | Piece |

Spare parts for 16X4



(1) Lock latch

Reference number 16Y7

Technical data

| Article number | Material | Quantity unit |
|----------------|-----------------|---------------|
| 16Y7 | Stainless steel | Piece |

(2) Lock washer

Reference number 16Y8

Technical data

| Article number | Material | Quantity unit |
|----------------|-----------------|---------------|
| 16Y8 | Stainless steel | Piece |



Arm bar

Reference number 16X8

This joint type is offered in one universal size and in pairs. It features a free motion medial bar. Different incremental flexion and extension settings of the bar are possible (in 30° steps): 180°; 150°; 120°; 90°; 60°; 30°

Technical data

| Reference number | Bar length | Bar width | Quantity unit |
|------------------|------------|-----------|---------------|
| 16X8 | 457 mm | 12.7 mm | Pair |

- Indicated for example in case of: Fractures in the area of the elbow joint. Postoperative follow-up treatment with flexion/extension settings defined by the physician

Other

Arm bars



Positioning joint

Reference number 17B70

Adjustable in 8° increments, used with adjustable positioning splints and static correction orthoses

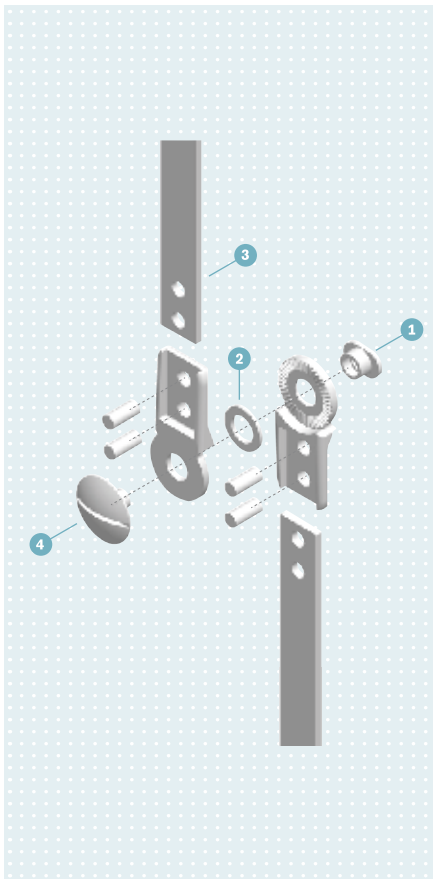
Technical data

| Article number | For system width | Material | Quantity unit |
|----------------|------------------|-----------------|---------------|
| 17B70=12 | 12 mm | Stainless steel | Piece |

Information material

647G2 Instructions for use – system/leg bars

Spare parts for 17B70



(1) Bearing nut

Reference number 17Y93

Technical data

| Article number | Spare part for | Insertion length | Profile length | Shank length | Thread | Shoulder Ø | Quantity unit |
|----------------|----------------|------------------|----------------|--------------|--------|------------|---------------|
| 17Y93=7X4.8XM5 | 17B70=12 | 3.55 mm | 12 mm | 4.8 mm | M5 | 7 mm | Piece |

(2) Ring

Reference number 18Z3

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 18Z3 | Piece |

(3) Spring band steel profile bar

Reference number 651B1

Technical data

| Article number | Length | Width | Thickness | Quantity unit |
|----------------|----------|-------|-----------|---------------|
| 651B1=12 | 2,000 mm | 12 mm | 2 mm | Piece |

(4) Slotted truss head screw

Reference number 501S57

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 501S57 | Piece |



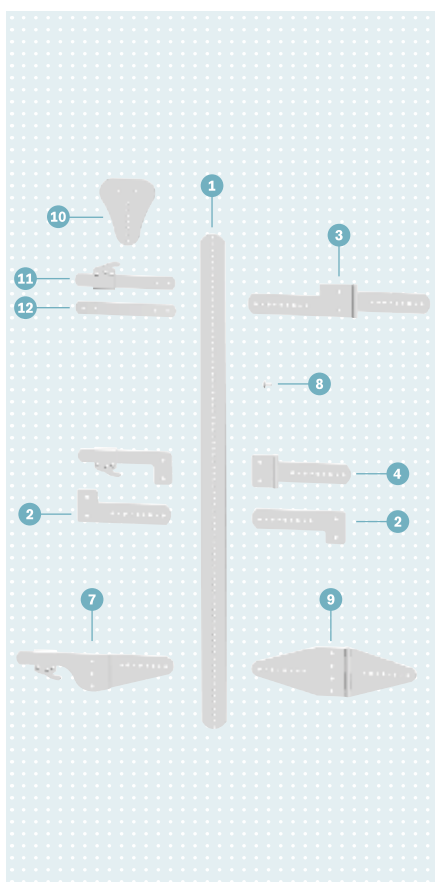
Kit for Lyon spinal orthosis

Reference number 28R8

Technical data

| Article number | For age group | Quantity unit |
|----------------|-------------------|---------------|
| 28R8=1 | adolescent | Set |
| 28R8=2 | adolescent (tall) | Set |

Spare parts for 28R8



(1) Anterior and posterior uprights

Reference number 29R32

With M4 threaded holes at 7.5 mm intervals

Technical data

| Article number | Length | Width | Thickness | Material | Package contents | Quantity unit |
|----------------|--------|-------|-----------|-----------|------------------|---------------|
| 29R32=2 | 500 mm | 25 mm | 4 mm | Aluminium | 2 pcs | Piece |
| 29R32=1 | 600 mm | 30 mm | 4 mm | Aluminium | 2 pcs | Piece |

(2) Connecting element

Reference number 29R60

single-sided, flat

Technical data

| Article number | Length | Material | Package contents | Quantity unit |
|----------------|--------|----------|------------------|---------------|
| 29R60=2 | 105 mm | INOX | 2 pcs | Piece |
| 29R60=1 | 120 mm | INOX | 2 pcs | Piece |

(3) Connection hinge

Reference number 29R62

Flat, with unilateral hinge and opposing horizontal rigid connection, offset mounting planes

Technical data

| Article number | Length | Material | Quantity unit |
|----------------|--------|----------|---------------|
| 29R62=2 | 195 mm | INOX | Piece |
| 29R62=1 | 220 mm | INOX | Piece |

(4) Hinge

Reference number 29R59

single-sided, flat

Technical data

| Article number | Length | Material | Quantity unit |
|----------------|--------|----------|---------------|
| 29R59=2 | 110 mm | INOX | Piece |
| 29R59=1 | 120 mm | INOX | Piece |

(5) Bar closure (not illustrated)

Reference number 29R36

3-position lock

Technical data

| Article number | Length | Material | Quantity unit |
|----------------|--------|----------|---------------|
| 29R36=L | left | INOX | Piece |
| 29R36=R | right | INOX | Piece |

(6) Pelvic closure

Reference number 29R49

Right side, 3-position lock, offset flexible rigid connection on left side

Technical data

| Article number | Material | Quantity unit |
|----------------|----------|---------------|
| 29R49=L | INOX | Piece |
| 29R49=R | INOX | Piece |

(7) Bar closure, flexible

Reference number 29R33

3-position lock

Technical data

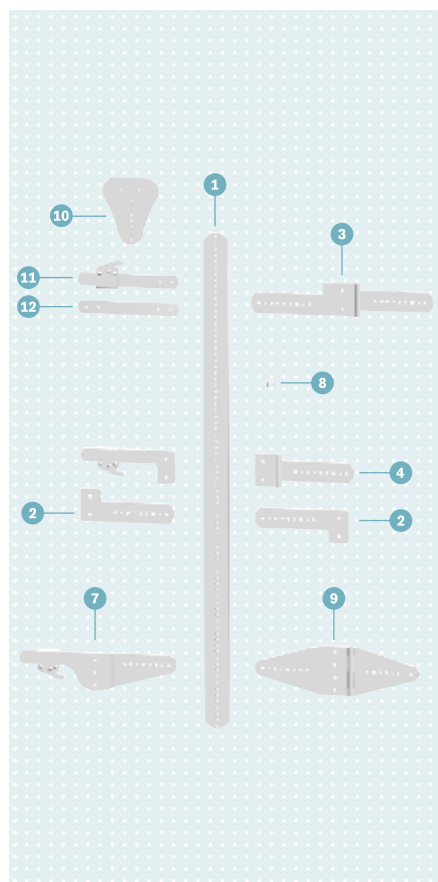
| Article number | Size | Length | Material | Quantity unit |
|----------------|------|--------|----------|---------------|
| 29R33=L3 | 3 | 100 mm | INOX | Piece |
| 29R33=R3 | 3 | 100 mm | INOX | Piece |
| 29R33=L1 | 1 | 300 mm | INOX | Piece |
| 29R33=R1 | 1 | 300 mm | INOX | Piece |

(8) Flat headed screw

Reference number 501S16

Technical data

| Article number | Thread | Thread length | Head Ø |
|----------------|--------|---------------|--------|
| 501S16=M4X8X10 | M4 | 8 mm | 10 mm |



(9) Pelvic hinge

Reference number 29R55

flat

Technical data

| Article number | Length | Material | Quantity unit |
|----------------|--------|----------|---------------|
| 29R55=2 | 50 mm | INOX | Piece |
| 29R55=1 | 60 mm | INOX | Piece |

(10) Chest pad

Reference number 29R45

With M4 threaded holes at 7.5 mm intervals

Technical data

| Article number | Material | Quantity unit |
|----------------|-----------|---------------|
| 29R45 | Aluminium | Piece |

Accessory for 28R8

(11) Bar closure, flexible

Reference number 29R120

Technical data

| Article number | Accessories for | Size | Length | Quantity unit |
|----------------|------------------|------|--------|---------------|
| 29R120=R1 | 28R8=2 28R8=1 | 1 | 200 mm | Piece |

(12) Connecting element

Reference number 29R38

Technical data

| Article number | Accessories for | Length | Material | Quantity unit |
|----------------|-----------------|--------|-------------------|---------------|
| 29R38=2 | 28R8=2 | 170 mm | Spring band steel | Piece |
| 29R38=1 | 28R8=1 | 200 mm | Spring band steel | Piece |

Other

Kits for spinal orthoses



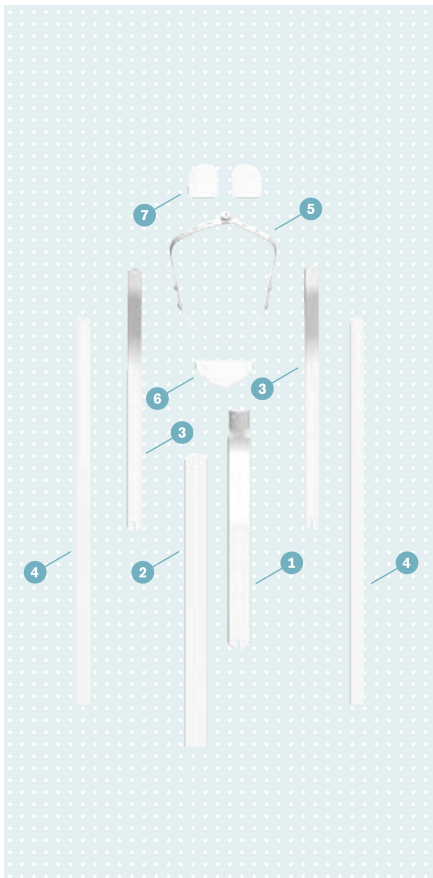
Kit for Milwaukee spinal orthosis

Reference number 28R10

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 28R10=3 | Set |
| 28R10=2 | Set |
| 28R10=1 | Set |

Spare parts for 28R10



(1) Lower anterior upright

Reference number 29R89

Technical data

| Article number | Length | Width | Thickness | Material | Quantity unit |
|----------------|--------|-------|-----------|-----------|---------------|
| 29R89=2 | 300 mm | 25 mm | 4 mm | Aluminium | Piece |
| 29R89=1 | 300 mm | 30 mm | 4 mm | Aluminium | Piece |

(2) Lower anterior upright

Reference number 29R92

Technical data

| Article number | Length | Width | Thickness | Material | Quantity unit |
|----------------|--------|-------|-----------|-----------|---------------|
| 29R92=2 | 390 mm | 25 mm | 4 mm | Aluminium | Piece |
| 29R92=1 | 420 mm | 30 mm | 4 mm | Aluminium | Piece |

(3) Back splint

Reference number 29R94

Technical data

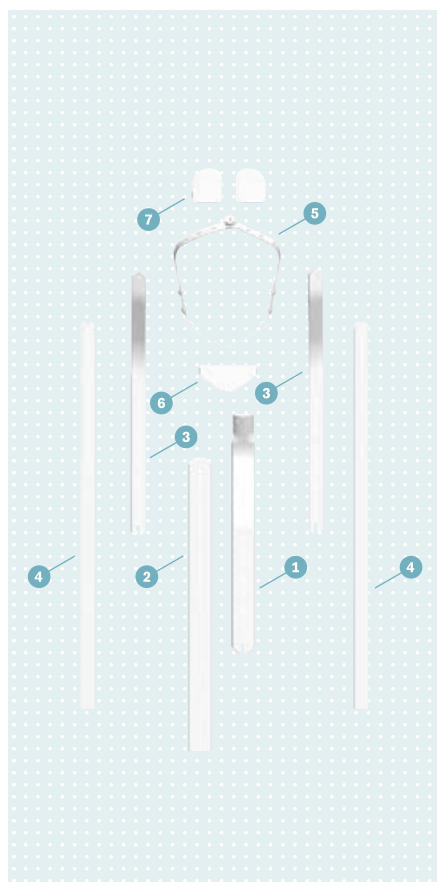
| Article number | Length | Width | Thickness | Material | Quantity unit |
|----------------|--------|-------|-----------|-----------|---------------|
| 29R94=1 | 350 mm | 20 mm | 4 mm | Aluminium | Pair |

(4) Back splint

Reference number 29R100

Technical data

| Article number | Length | Width | Thickness | Material | Quantity unit |
|----------------|--------|-------|-----------|------------------|---------------|
| 29R100=3 | 420 mm | 20 mm | 4 mm | Aluminium, Steel | Pair |
| 29R100=1 | 510 mm | 20 mm | 4 mm | Aluminium, Steel | Pair |



(5) Neck ring (head piece)

Reference number 29R81

Technical data

| Article number | Material | Quantity unit |
|----------------|----------|---------------|
| 29R81=7 | INOX | Piece |
| 29R81=6 | INOX | Piece |
| 29R81=5 | INOX | Piece |
| 29R81=4 | INOX | Piece |
| 29R81=3 | INOX | Piece |
| 29R81=2 | INOX | Piece |
| 29R81=1 | INOX | Piece |

(6) Throat Mold

Reference number 29R83

Technical data

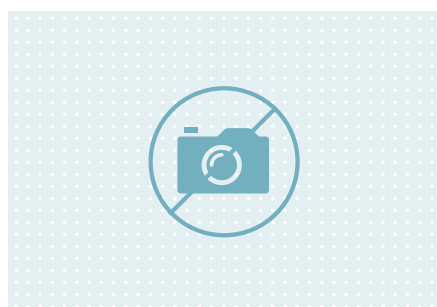
| Article number |
|----------------|
| 29R83=1 |
| 29R83=3 |
| 29R83=2 |

(7) Occipital support

Reference number 29R86

Technical data

| Article number | Size | Material | Colour | Quantity unit |
|----------------|--------|--------------|----------------|---------------|
| 29R86=3 | small | Polyethylene | Natural colour | Pair |
| 29R86=2 | medium | Polyethylene | Natural colour | Pair |
| 29R86=1 | large | Polyethylene | Natural colour | Pair |



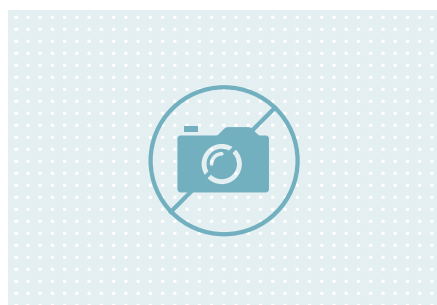
Knurled nut

Reference number 29R82

Stainless steel for neck ring

Technical data

| Article number | Quantity unit |
|----------------|---------------|
| 29R82 | Piece |



Half-round rivets

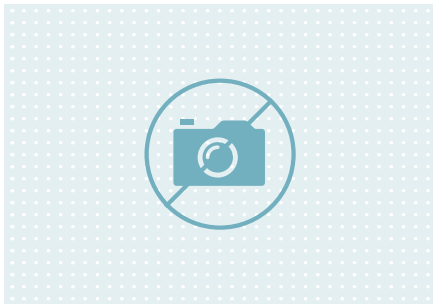
Reference number 504R5

Technical data

| Article number | Package contents | Quantity unit |
|----------------|------------------|---------------|
| 504R5=4X6 | 4 pieces | Piece |

Other

Kits for spinal orthoses

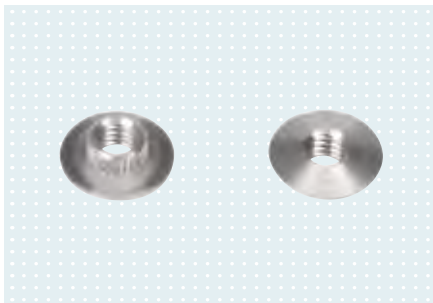


Flat headed screw

Reference number 501S16

Technical data

| Article number | Thread | Thread length | Head Ø |
|----------------|--------|---------------|--------|
| 501S16=M4X8X10 | M4 | 8 mm | 10 mm |



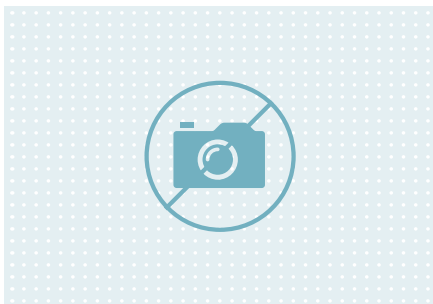
Setting nut/insert nut

Reference number 29C3

Setting nut/inset nut (knurled) made of stainless steel.

Technical data

| Article number | Thread | Head Ø | Attachment Ø | Length | Order unit |
|----------------|--------|--------|--------------|--------|------------|
| 29C3=M4 | M4 | 10 mm | 5 mm | 3.6 mm | Piece |



Phillips countersunk head screw

Reference number 501T19

Technical data

| Article number | Thread | Length | Material |
|----------------|--------|--------|-----------------|
| 501T19=M4X8 | M4 | 8 mm | Stainless steel |
| 501T19=M4X10 | M4 | 10 mm | Stainless steel |





Materials, tools and accessories

In this section, you will find a selection of materials, tools and accessories that are essential for fabricating cutting-edge orthoses. Please note that not all possible tools or materials are listed in this catalogue. For further tools and materials, please refer to our “Materials for orthopaedic technology” (646K1) and “Planning and Equipping” (646K10) catalogues.



Visit **Ottobock Scandinavia professionals site** to obtain up-to-date product information at any time.

Materials, tools and accessories

Alignment aids and measuring technology



3D L.A.S.A.R. Posture

Reference number 743L500

The 3D L.A.S.A.R. Posture supports technicians for an optimum prosthetic and orthotic alignment. Cameras take a live recording of the patient standing on the measuring plate and transmit the image to a tablet PC. The tablet displays the horizontal and vertical forces in the form of lines positioned with millimetre accuracy over the patient's image.

Technical data

| Article number | Width | Depth | Height | Working space required | Electrical connection | Weight |
|----------------|--------|--------|--------|-------------------------|--------------------------------|--------|
| 743L500 | 630 mm | 280 mm | 520 mm | W x D: 1.800 x 1.800 mm | 1x 110 - 240 V N/PE / 50-60 Hz | 20 kg |

Information material

| | |
|----------------|---|
| 646D1159=EN | 743L500 3D L.A.S.A.R. Posture product information |
| 646D1188=EN_HQ | 743L500 3D L.A.S.A.R. Posture orthotics tutorial |
| 647G1046 | 743L500 3D L.A.S.A.R. Posture instructions for use |
| 647G1215 | 743L500 3D L.A.S.A.R. Posture assembly instructions |

Scope of delivery

| | | | |
|---------|------------------------------|---|-------|
| 743Y725 | Wall holder for camera stand | 1 | Piece |
|---------|------------------------------|---|-------|

Static alignment or verification of body posture in:

- Lower limb prosthetics
- Custom lower limb orthotics
- Orthopaedic foot care
- Incorrect posture of pelvis and legs
- Leg length discrepancy
- Physiotherapy
- Rehabilitation
- Cameras take a live recording of the patient standing on the measuring plate and transmit the image to a tablet PC. The tablet displays the measured horizontal and vertical forces in the form of lines positioned with millimetre accuracy over the patient's image. Max. body weight: 150 kg.

Prosthetics

- Lower leg prosthetics
- Upper leg prosthetics
- Hip disarticulation prosthetics

Orthotics

- Orthopaedic insoles and foot care
- Ankle-foot orthoses
- Knee-ankle-foot orthoses
- Hip-knee-ankle-foot orthoses



Orthotic alignment aid

Reference number 743A6

- For the three-dimensional alignment of leg orthoses and positioning of knee and ankle joint points on a plaster negative or plaster positive
- For clamping in a vice

Technical data

| Article number | Width | Depth | Height | Weight |
|----------------|--------|--------|--------|--------|
| 743A6 | 270 mm | 380 mm | 770 mm | 14 kg |

Information material

647H416 743A6 orthotic alignment aid instructions for use



Pivot point adjustment aid

Reference number 743A7

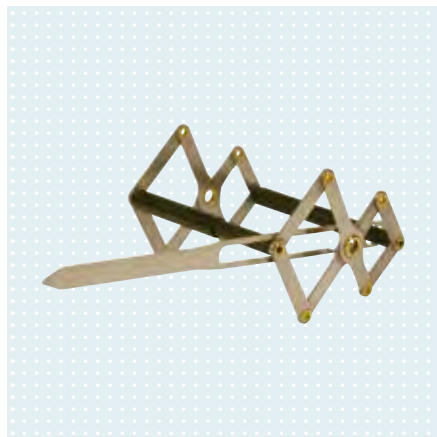
- For determining and establishing the knee and ankle pivot point and reference lines on a plaster positive or negative

Technical data

| Article number | Material |
|----------------|-----------------|
| 743A7 | Stainless steel |

Information material

647G147 743A7 pivot point adjustment aid instructions for use



Knee pivot gauge

Reference number 743A8

- To determine the compromise pivot point according to Nietert (60:40 graduation)
- Rotation indicator included

Technical data

| Article number | Material |
|----------------|----------|
| 743A8 | Steel |

Information material

647H465 743A8 knee pivot gauge instructions for use

Materials, tools and accessories

Alignment aids and measuring technology



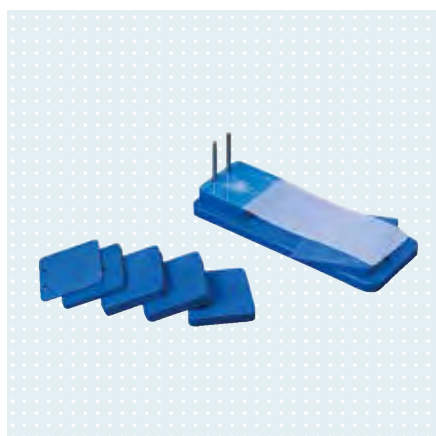
50:50 gauge

Reference number 743A80

- For precisely determining the lateral centre line of a prosthetic socket
- Movable arms for prosthetic sockets of various sizes

Technical data

| Article number | Material |
|----------------|----------|
| 743A80 | Steel |



Foot plaster cast device

Reference number 743A9

- For preparing a dimensionally accurate plaster negative of the foot with various heel heights and adjustable tip lift in the forefoot area
- Particularly well suited for AFOs, KAFOs and insoles

Technical data

| Article number | Material |
|----------------|--------------------------|
| 743A9 | Plastic, Stainless steel |

Information material

| | |
|---------|---|
| 647G146 | 743A9 foot plaster cast device instructions for use |
|---------|---|



Parallel alignment tool

Reference number 743R3

- For aligning and securing knee joint bars

Technical data

| Article number | Material | Weight |
|----------------|----------------------|---------|
| 743R3 | Steel, nickel-plated | 0.37 kg |



Parallel alignment tool

Reference number 743R5

- For aligning and securing polycentric joint bars

Technical data

| Article number | Material | Weight |
|----------------|----------------------|---------|
| 743R5 | Steel, nickel-plated | 0.37 kg |



Ottobock Body callipers

Reference number 743S1

- Callipers for determining body measurements

Technical data

| Article number | for | Measurement range | Weight |
|----------------|-------------------------------|-------------------|---------|
| 743S1=40 | | 400 mm | 0.45 kg |
| 743S1=60 | | 600 mm | 0.5 kg |
| 743S1=H | 743G5 HIP-Cast plaster device | 400 mm | 0.48 kg |
| 743S1=S | 743G1 SIT-Cast plaster device | 600 mm | 0.53 kg |



Goniometer

Reference number 743W2

Technical data

| Article number | Side length | Material | Weight |
|----------------|-------------|----------|---------|
| 743W2 | 150 mm | Plastic | 0.02 kg |

Materials, tools and accessories

Alignment aids and measuring technology



Hip compass

Reference number 743T3

Technical data

| Article number | Length | Measurement range | Material | Weight |
|----------------|--------|-------------------|-----------------|---------|
| 743T3 | 340 mm | 500 mm | Stainless steel | 0.28 kg |



Bubble level

Reference number 743Y32

- Bubble level with plastic arm for leg length check

Technical data

| Article number | Length | Material | Weight |
|----------------|--------|-----------|---------|
| 743Y32 | 330 mm | Aluminium | 0.26 kg |



Height marking gauge

Reference number 742A4

- Fine adjustment, carbide scriber, matt chrome-plated graduation and Vernier scale, precision according to DIN 862

Technical data

| Article number | Material | Scribing height | Weight |
|----------------|------------|-----------------|--------|
| 742A4 | Tool steel | Up to 300 mm | 1.7 kg |



Crosshair laser

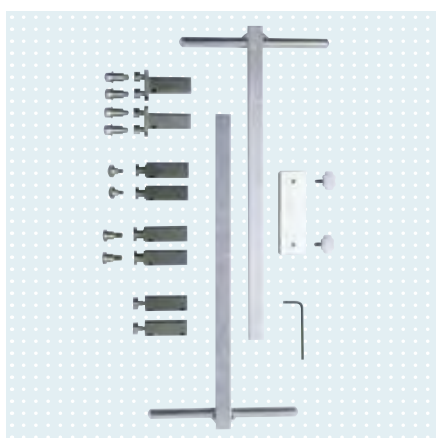
Reference number 743L5

- Automatic self-levelling within seconds
- Exact, fast working without manual alignment
- High-end, bright laser diodes for especially good laser line visibility
- Easy and intuitive operation
- Soft grip for better purchase and comfort
- Stand: 1.1 m
- Applications in orthopaedics: plumb line for plaster casting, prosthetic and orthotic alignment, displaying abduction and adduction positions (angle with respect to the plumb line) and flexion and extension positions, prior/subsequent documentation, displaying the lateral displacement of the spine in the neck area with respect to the intergluteal cleft, checking the level position of the pelvis, visualising body positions and postural problems (e.g. lateral deviation in case of scoliosis; valgus malalignment of legs)

Technical data

| Article number | Width | Depth | Height | Weight (with batteries) |
|----------------|-------|--------|--------|-------------------------|
| 743L5 | 64 mm | 125 mm | 115 mm | 0.46 kg |

| | |
|--|---|
| Version | Operating time 5 h, operating temperature - 5 °C to + 40 °C, storage temperature - 20 °C to + 70 °C |
| Output power | 1 mW |
| Power supply | 3x 1,5V LR06 Mignon (AA) |
| Wavelength | Laser class 2: 635 nm |
| Colour of housing | Green |
| Laser light colour | Red |
| Levelling speed | Less than 4 Seconds |
| Automatic levelling range | 4° |
| Connection thread | W1/4" |
| Projection range of laser light | max. 10 m |



Orthotic joint alignment set

Reference number 743R6

- As a tool for the fabrication of lower limb orthoses
- Suitable for the “structural orthosis fabrication” technique according to a drawing and for the lamination resin and deep-drawing techniques according to a plaster model

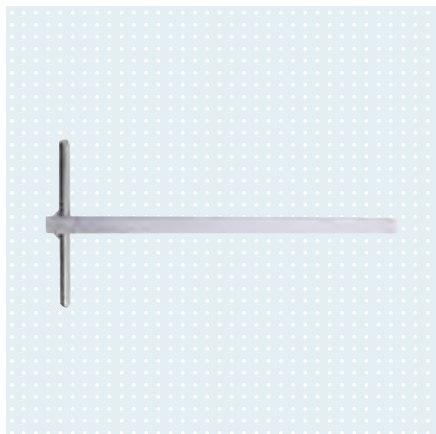
Technical data

| Article number | Weight |
|----------------|--------|
| 743R6 | 1 kg |

Materials, tools and accessories

Alignment aids and measuring technology

Components of 743R6



Alignment axis

Reference number 743Y55

Technical data

| Article number |
|----------------|
| 743Y55 |

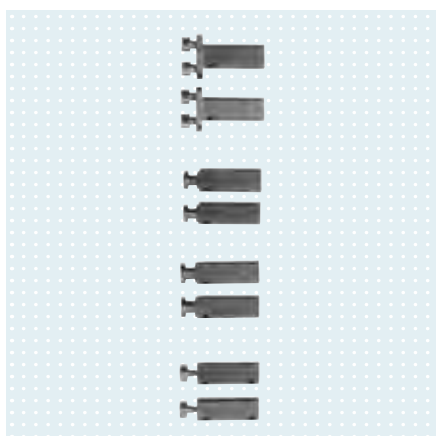


Parallel adapter

Reference number 743Y70

Technical data

| Article number | Width |
|----------------|-------|
| 743Y70=50 | 50 mm |
| 743Y70=80 | 80 mm |



Alignment insert

Reference number 743Y56

Technical data

| Article number | Size | Material |
|----------------|------|-----------------|
| 743Y56=1 | 1 | Stainless steel |
| 743Y56=2 | 2 | Stainless steel |
| 743Y56=3 | 3 | Stainless steel |
| 743Y56=4 | 4 | Stainless steel |



Allen screw with collar

Reference number 743Y72

Technical data

Article number

743Y72



Shoulder screw

Reference number 501A1

Technical data

Article number

501A1=12X6XM4

501A1=12X8XM6

Thread

M4

M6



Allen wrench 2.5 mm

Reference number 709S10

Technical data

Article number

709S10=2.5

Wrench size

2.5 mm

Materials, tools and accessories

Alignment aids and measuring technology

Accessory for 743R6



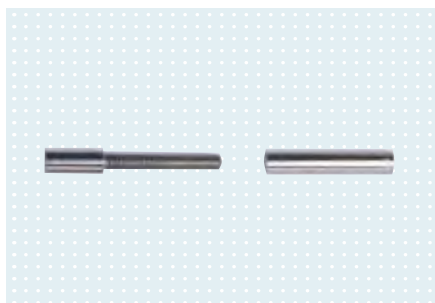
Locating bolt

Reference number 743Y47

The locating bolt is an accessory for the orthotic joint alignment set. It is used for locating the 17B36, 17B48, 17B90, 17B17 and 17B16 system knee joints.

Technical data

| Article number | For system width |
|----------------|------------------|
| 743Y47=1 | 16 mm |
| 743Y47=2 | 20 mm |



Positioning aid

Reference number 743Y46

The positioning aid helps with aligning the 743Y56=* alignment insert.

Technical data

| Article number |
|----------------|
| 743Y46 |



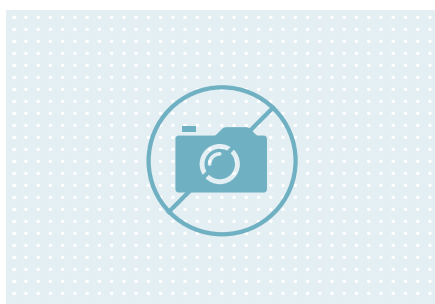
Adapter sleeve

Reference number 743Y48

The adapter sleeves are slid onto the 743Y55 alignment axis and positioned in the plaster negative. Adapter sleeve made of rigid foam for receiving the 743Y56 adjustment adapters in the plaster positive. The adapter sleeves are slid onto the 743Y55 alignment axis and positioned in the plaster negative.

Technical data

| Article number | Length | Package contents |
|----------------|--------------|-------------------|
| 743Y48 | 290 mm 29 cm | 4 piece(s) pieces |



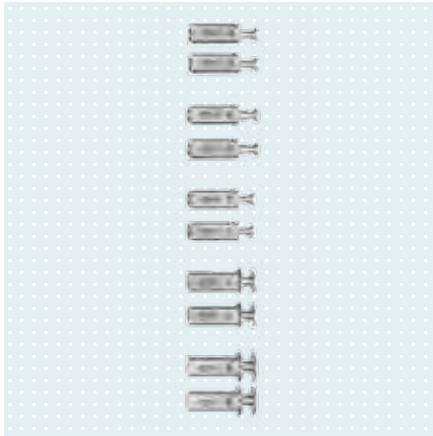
Shoulder screw set

Reference number 743Y49

Shoulder screw set compatible with 743Y56=4 alignment insert

Technical data

| Article number | Package contents |
|----------------|------------------|
| 743Y49 | 4 pairs |



Alignment insert set

Reference number 743Y57

Technical data

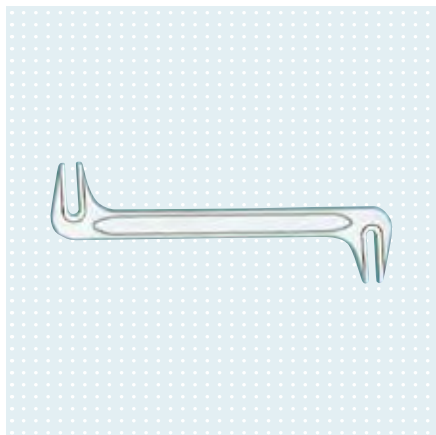
Article number

743Y57

- The 743Y57 is a set consisting of the alignment inserts in sizes 5 through 9.

Materials, tools and accessories

Tools

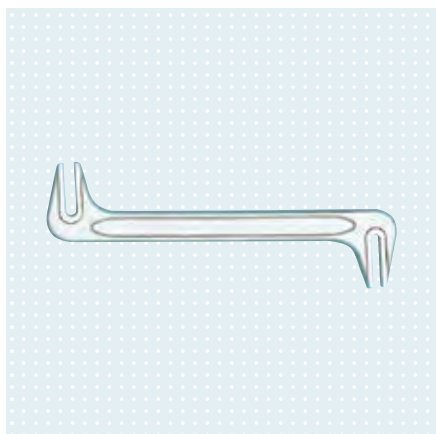


Bending iron

Reference number 711S1

Technical data

| Article number | Version | Material | Jaw opening | Length | Weight |
|----------------|---------------|----------|-------------|--------|----------|
| 711S1=6X4 | Straight jaws | CV steel | 4 und 6 mm | 245 mm | 0.35 kg |
| 711S1=8X6 | Straight jaws | CV steel | 6 und 8 mm | 245 mm | 0.33 kg |
| 711S1=9X7 | Straight jaws | CV steel | 7 and 9 mm | 245 mm | 0.325 kg |

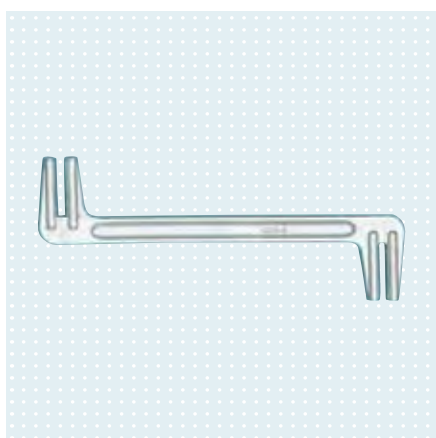


Bending iron

Reference number 711S4

Technical data

| Article number | Version | Material | Jaw opening | Length | Weight |
|----------------|--------------|----------|--------------|--------|---------|
| 711S4=3X3.5 | Rounded jaws | CV steel | 3 and 3.5 mm | 245 mm | 0.35 kg |
| 711S4=6X4 | Rounded jaws | CV steel | 4 and 6 mm | 245 mm | 0.35 kg |
| 711S4=8X6 | Rounded jaws | CV steel | 6 and 8 mm | 245 mm | 0.35 kg |

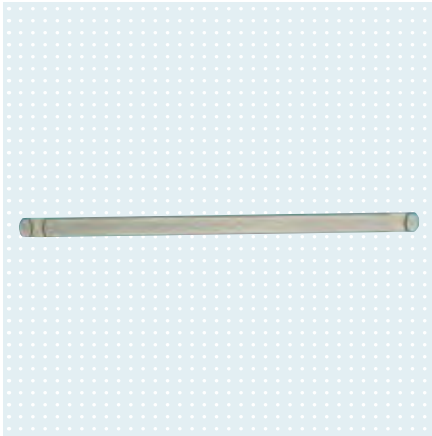


Bending iron

Reference number 711S5

Technical data

| Article number | Version | Material | Jaw opening | Length | Weight |
|----------------|------------|----------|-------------|--------|---------|
| 711S5 | Round jaws | CV steel | 4 and 6 mm | 310 mm | 0.55 kg |



Bending iron

Reference number 711S3

- For bending over the upper edge of Ottobock system bars

Technical data

| Article number | Version | Material | For bar width | Length | Weight |
|----------------|--------------------------------------|--------------------------|---------------|--------|---------|
| 711S3 | Half-round bar profile, moulded jaws | Tool steel, high-alloyed | 16 and 20 mm | 500 mm | 1.42 kg |



Bending fixture set

Reference number 711S2

- For mounting in the vice

Technical data

| Article number | Material | Package contents | Weight |
|----------------|----------|------------------|----------|
| 711S2 | Steel | 3 pc. pieces | 0.245 kg |



Hole gauge

Reference number 702B9

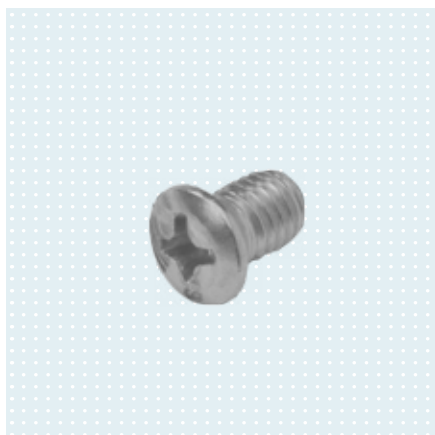
- For perfect-fit bore hole for oval head Philips screws (501T7=7.5X9XM5) for Ottobock system bars

Technical data

| Article number | Material | Weight |
|----------------|------------|---------|
| 702B9 | Tool steel | 0.21 kg |

Materials, tools and accessories

Tools



Phillips oval countersunk head screw

Reference number 501T7

Technical data

| Article number | Thread | Length | Material | Quantity unit |
|-----------------|--------|--------|-----------------|---------------|
| 501T7=7.5X9XM5 | M5 | 9 mm | Stainless steel | Piece |
| 501T7=7.5X11XM5 | M5 | 11 mm | Stainless steel | Piece |

- Side bars must be ordered separately, see accessories.
- For system side bars



Phillips screwdriver

Reference number 710H50

Technical data

| Article number | Version | for | Size | Blade length |
|----------------|---|------------------------|------|--------------|
| 710H50=0 | Blade: Round blade, Lasertip point Handle: Kraftform handle, hexagon roll protection | Phillips recess screws | PH 0 | 60 mm |
| 710H50=1 | Blade: Round blade, Lasertip point Handle: Kraftform handle, hexagon roll protection | Phillips recess screws | PH 1 | 80 mm |
| 710H50=2 | Blade: Round blade, Lasertip point Handle: Kraftform handle, hexagon roll protection | Phillips recess screws | PH 2 | 100 mm |



Spanner

Reference number 709Z2

Technical data

| Article number | Version | Area of application | Material | Length | Weight | Consumables |
|----------------|---|---------------------|---------------|--------|---------|-------------|
| 709Z2 | Hardened tips, adjustment using conical screw | Two-hole nuts | Wooden handle | 220 mm | 0.16 kg | 709Y8 Tip |



Tip

Reference number 709Y8

Technical data

| Article number | for |
|----------------|-------------------|
| 709Y8 | 709Z2 Pin spanner |



Spanner

Reference number 709Z4

Technical data

| Article number | Version | Length | Weight |
|----------------|--------------------|--------|----------|
| 709Z4 | Forged, adjustable | 240 mm | 0.205 kg |



Deburring knife

Reference number 718S2

Technical data

| Article number | Area of application | Version | Product features | Material | Weight | Consumables |
|----------------|---------------------|--|-------------------------|----------|---------|--------------------------|
| 718S2 | Plastic and metals | Movable and replaceable blade, blade holder extends 100 mm | Plastic magazine handle | Plastic | 0.08 kg | 718Y2 Replacement blades |

Materials, tools and accessories

Tools



Replacement blades

Reference number 718Y2

Technical data

| Article number | for | Package contents | Weight |
|----------------|-----------------------|------------------|----------|
| 718Y2 | 718S2 Deburring knife | 10 pc. pieces | 0.015 kg |



HSCO twist drill

Reference number 724S14

Twist drill from HSCO

Technical data

| Article number | Diameter |
|----------------|----------|
| 724S14=3.0 | 3 mm |
| 724S14=3.3 | 3.3 mm |
| 724S14=4.0 | 4 mm |

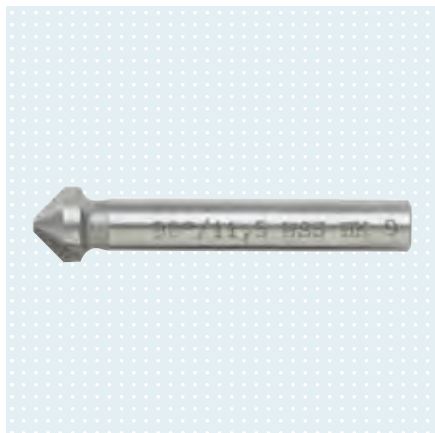


Machine thread tap HSSE

Reference number 731B34

Technical data

| Article number | for |
|----------------|-------------------|
| 731B34=M4 | Titanium material |
| 731B34=M5 | |



Countersink

Reference number 726S9

Technical data

| Article number | for |
|----------------|-------------------|
| 726S9=90X11.5 | Titanium material |



Silicone sanding cone set

Reference number 749F16

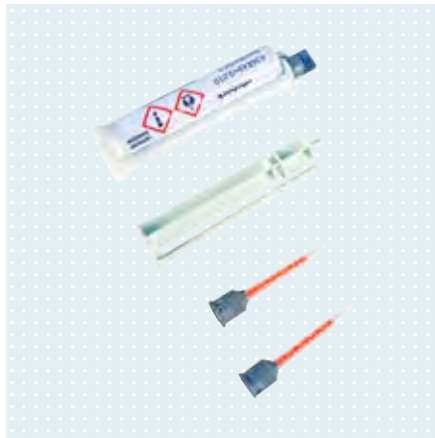
- For polishing and rounding edges of thermoplastic materials

Technical data

| Article number | Thread | Weight | Scope of delivery |
|----------------|--------|---------|--|
| 749F16=5/8 | 5/8" | 0.66 kg | 749F16=5/8-1 Silicone sanding cone set 749F16=5/8-2 Silicone sanding cone set 749F16=5/8-3 Silicone sanding cone set 749F16=5/8-4 Silicone sanding cone set |
| 749F16=M16 | M16 | 0.66 kg | 749F16=M16-1 Silicone sanding cone set 749F16=M16-2 Silicone sanding cone set 749F16=M16-3 Silicone sanding cone set 749F16=M16-4 Silicone sanding cone set |

Materials, tools and accessories

Materials – Adhesives and lubricants



SuperGlue

Reference number 636K49



- For gluing metals, duroplastics and thermoplastics
- 2-component adhesive based on methyl methacrylate with very high adhesive strength
- Primerless gluing
- Fast gluing, for example of socket adapters
- Processing time: 4 to 7 minutes
- Curing time: approx. 15 minutes
- Gel/highly viscous
- Fills gaps from 0.5 to 12 mm
- High tensile strength along with excellent peel strength
- High temperature resistance
- Lasting strength and flexibility
- Dispensing gun for 636K49 SuperGlue available under 756K31 (not required for 636K49=0.010 SuperGlue)
- Refill pack for 636K49 SuperGlue with 20 static mixers available under 756Y76

Information material



646D1466=EN_MASTER 636K49 SuperGlue product brief



Technical data

| Article image | Article number | Net contents | Package contents | Colour |
|---|----------------|--------------|---|--------|
|  | 636K49=0.010 | 10 ml | 1 cartridge with tappet and 2 static mixers | Black |
|  | 636K49 | 50 ml | 1 cartridge and 6 static mixers | Black |

Components

| | | |
|--------|------------------|---|
| 636K49 | SuperGlue Part A |  |
| 636K49 | SuperGlue Part B |  |



Practical recommendation 636K49

- To improve the hold of the bond, first bend the anchor arms in such a way that they lie as closely against the socket as possible. Then remove any grease with 634A58 isopropyl alcohol.
- Clean the socket with 634A58 isopropyl alcohol as well.
- Loosen the screw on the anchor before gluing, otherwise the adapter thread connection may become stuck after gluing.
- Re-tighten the loosened screw with the corresponding Nm for the relevant adapter prior to the fitting.



SuperGlue dispensing gun

Reference number 756K31

- For 636K49 SuperGlue (not required for 636K49=0.010 SuperGlue)

Technical data

| Article number | Package contents |
|----------------|------------------|
| 756K31 | 1 dispensing gun |



SuperGlue refill pack static mixer

Reference number 756Y76

- For 636K49 SuperGlue (not compatible with 636K49=0.010 SuperGlue)

Technical data

| Article number | Package contents |
|----------------|------------------|
| 756Y76 | 20 static mixers |



Special adhesive

Reference number 636W18

- For adhering metal to wood
- Especially for unilateral bar systems and E-MAG knee joints
- Base: epoxy resin and pigments (A), polyaminoamide (B)
- Pasty consistency
- Highest strength values when cured between 40–120° C
- In conjunction with 636W19 hardener
- Solvent-free



Information material

| | |
|------------|---|
| 646F297=GB | Adhesives, putties, varnishes and thinners poster |
|------------|---|

Technical data

| Article number | Net contents | Packaging |
|----------------|--------------|-----------|
| 636W18 | 0.1 kg | Tube |

Materials, tools and accessories

Materials – Adhesives and lubricants



Hardener

Reference number 636W19

- For 636W18 special adhesive
- Pasty consistency
- Good full curing



Technical data

| Article number | Net contents | Packaging |
|----------------|--------------|-----------|
| 636W19 | 0.1 kg | Tube |

Mixing ratio

| Special adhesive 636W18 | Hardener 636W19 |
|-------------------------|-----------------|
| 100 | 70 |



Special lubricant

Reference number 633G6

- For prosthetic joints
- For the following material combinations: metal on plastic, leather on plastic and plastic on plastic
- Excellent temperature stability (from -25 °C to +120 °C)
- High resistance to cold and hot water
- Excellent flexing resistance
- Excellent protection against wear and tear
- Good corrosion protection

Technical data

| Article number | Net contents | Packaging |
|----------------|--------------|-----------|
| 633G6 | 0.25 kg | Tube |





Special lubricant

Reference number 633F14

- For gliding surfaces and frictional contacts that are subject to high loads and simultaneously require “non-contaminating” lubrication, particularly at low to medium speeds
- For all accessible gear wheels and axes in System Electric Hands and System Electric Greifers
- Good water resistance
- High load-bearing capacity
- Excellent protection against wear and tear
- Good corrosion protection



Technical data

| Article image | Article number | Net contents | Packaging |
|--|----------------|--------------|-----------|
|  | 633F14=0.050 | 0.05 kg | Tube |
|  | 633F14=1 | 1 kg | Can |

Materials, tools and accessories

Materials – Soldering and welding materials



Fluxing agent

Reference number 637F1

- For soldering with 637L8=1.5x500 silver solder
- For soldering steel, stainless steel and other metals, except light metals
- Pasty consistency



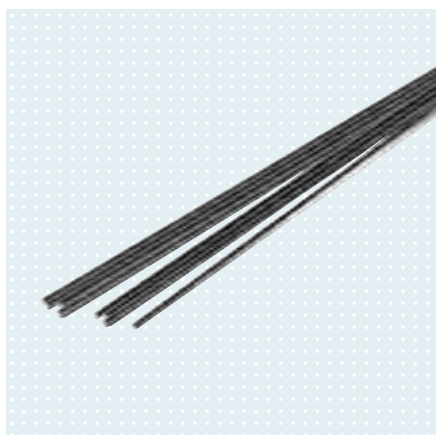
Technical data

| Article number | Weight |
|----------------|--------|
| 637F1=0.100 | 0.1 kg |
| 637F1=0.500 | 0.5 kg |



Practical recommendation 637F1

- If the paste is too thick for certain applications, it can be thinned with water.
- Flux residue can be removed with water or etching agent.



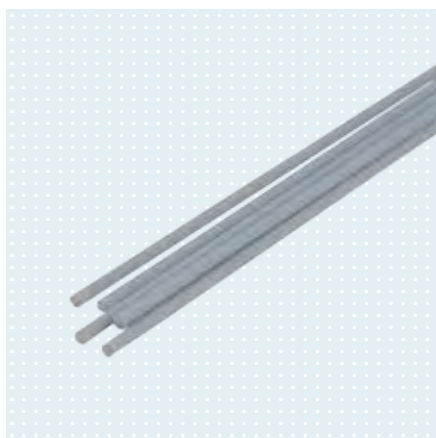
Silver solder

Reference number 637L8

- For soldering stainless steel, e.g. for soldering all Ottobock bars made of stainless steel
- Melting temperature: 595–630 °C
- Excellent flow characteristics
- Soldered joints are durable up to an operating temperature of 200 °C

Technical data

| Article number | Diameter | Length |
|----------------|----------|--------|
| 637L8=1.5X500 | 1.5 mm | 500 mm |



Welding electrode

Reference number 637E1

- For welding stainless steel, e.g. for welding all Ottobock bars made of stainless steel
- For base materials that are hard to weld, e.g. tool steel
- Good corrosion protection
- Suitable for operating temperatures up to 300 °C

Technical data

| Article number | Diameter | Length |
|----------------|----------|--------|
| 637E1=2X300 | 2 mm | 300 mm |



Sintering powder

Reference number 618T40

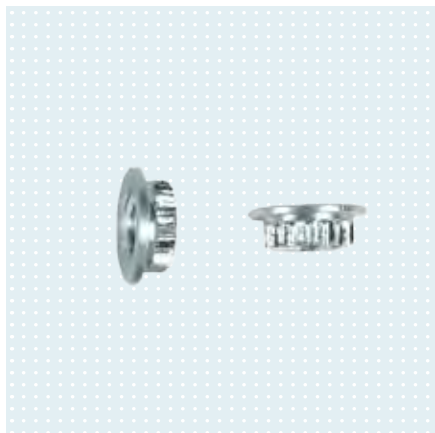
- For coating metal parts in a sintering bath, e.g. orthotic bars
- For a smooth surface
- Ionomer
- Thermoplastic powder
- Melting temperature: 93 °C
- Welding temperature: 105–108 °C
- Good corrosion protection
- Good UV protection

Technical data

| Article number | Net contents | Colour |
|----------------|--------------|--------|
| 618T40=H | 4 kg | Beige |
| 618T40=W | 4 kg | White |
| 618T40=S | 4 kg | Black |

Materials, tools and accessories

Materials – Setting nuts and screws



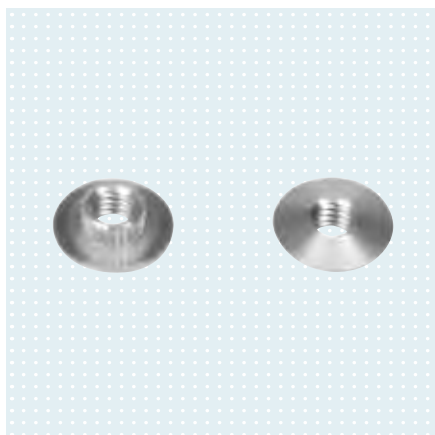
Setting nut

Reference number 29C5

- For thin laminates in orthotics
- Stainless steel
- Flat
- With knurled shoulder
- Secure support

Technical data

| Article number | Thread | Head Ø | Length | Shoulder Ø |
|----------------|--------|--------|--------|------------|
| 29C5=M4X7 | M4 | 7 mm | 3.6 mm | 5,5 mm |
| 29C5=M4X7X2.4 | M4 | 7 mm | 2,4 mm | 5,5 mm |
| 29C5=M4X9 | M4 | 9 mm | 3.6 mm | 5,5 mm |
| 29C5=M5X9 | M5 | 9 mm | 9 mm | 6,5 mm |
| 29C5=M5X18 | M5 | 18 mm | 3.6 mm | 6,5 mm |



Setting nut/insert nut

Reference number 29C3

- Stainless steel
- With knurled shoulder
- Secure support

Technical data

| Article number | Thread | Head Ø | Shoulder Ø | Length | Order unit |
|----------------|--------|--------|------------|--------|------------|
| 29C3=M4 | M4 | 10 mm | 5 mm | 3.6 mm | Piece |



Setting nut

Reference number 29C6

- Stainless steel
- With large shoulder

Technical data

| Article number | Thread | Head Ø | Shoulder Ø | Length |
|----------------|--------|--------|------------|--------|
| 29C6 | M4 | 20 mm | 8 mm | 7.5 mm |



Phillips countersunk head screw

Reference number 501T19

- For universal fastening applications
- Stainless steel
- Countersunk screw, flush with material surface after mounting

Technical data

| Article number | Thread | Length |
|----------------|--------|--------|
| 501T19=M3X12-1 | M3 | 12 mm |
| 501T19=M4X6 | M4 | 6 mm |
| 501T19=M4X8 | M4 | 8 mm |
| 501T19=M4X10 | M4 | 10 mm |
| 501T19=M4X12 | M4 | 12 mm |
| 501T19=M4X14-1 | M4 | 14 mm |
| 501T19=M4X16-1 | M4 | 16 mm |
| 501T19=M4X20 | M4 | 20 mm |
| 501T19=M5X10 | M5 | 10 mm |
| 501T19=M5X18 | M5 | 18 mm |

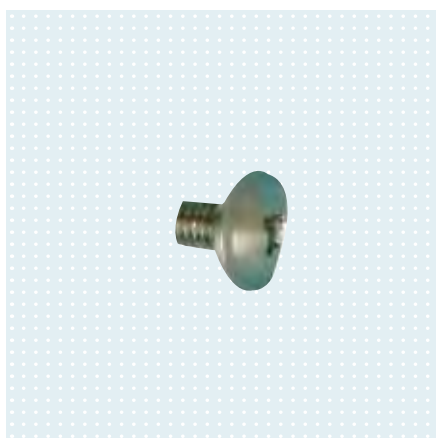


Phillips oval head screw

Reference number 501T20

Technical data

| Article number | Thread | Length | Material |
|----------------|--------|--------|----------|
| 501T20=M4X6 | M4 | 6 mm | Niro |
| 501T20=M4X10 | M4 | 10 mm | Niro |



Phillips head screw with collar

Reference number 501Z13

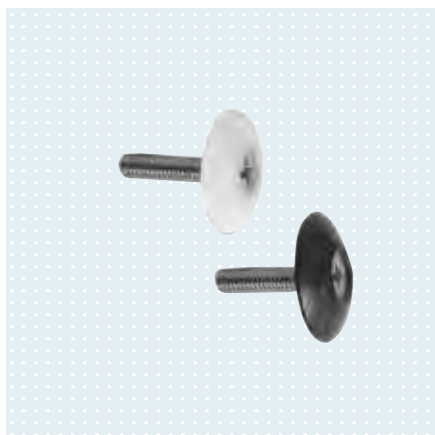
- For the attachment of polycentric knee joint bars with gear drive (17K48 and FreeWalk)

Technical data

| Article number | Thread | Length | Material | Quantity unit |
|----------------|--------|--------|----------|---------------|
| 501Z13=M4X4.5 | M4 | 4.5 mm | Niro | Piece |
| 501Z13=M4X6 | M4 | 6 mm | Niro | Piece |
| 501Z13=M4X10 | M4 | 10 mm | Niro | Piece |

Materials, tools and accessories

Materials – Setting nuts and screws



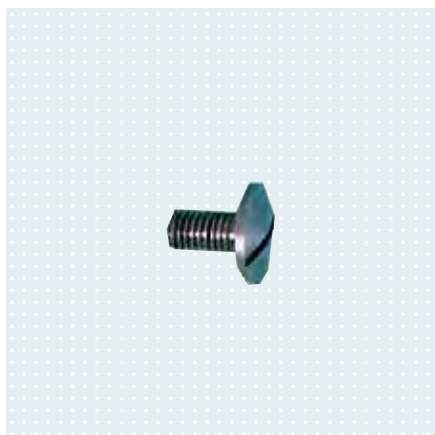
Phillips head screw

Reference number 29Y27

- For belt attachments
- Available with white or black plastic head

Technical data

| Article number | Thread | Length | Colour |
|----------------|--------|--------|--------|
| 29Y27=M4X6-6 | M4 | 6 mm | White |
| 29Y27=M4X8-6 | M4 | 8 mm | White |
| 29Y27=M4X10-6 | M4 | 10 mm | White |
| 29Y27=M4X12-6 | M4 | 12 mm | White |
| 29Y27=M4X20-6 | M4 | 20 mm | White |
| 29Y27=M4X6-7 | M4 | 6 mm | Black |
| 29Y27=M4X8-7 | M4 | 8 mm | Black |
| 29Y27=M4X12-7 | M4 | 12 mm | Black |
| 29Y27=M4X20-7 | M4 | 20 mm | Black |



Slotted truss head screw

Reference number 501S32

Technical data

| Article number | Thread | Head Ø | Length | Material | Quantity unit |
|------------------|--------|--------|---------|-----------------|---------------|
| 501S32=M4X10X7.5 | M4 | 10 mm | 7.5 mm | Stainless steel | Piece |
| 501S32=M4X10X9.5 | M4 | 10 mm | 9.5 mm | Stainless steel | Piece |
| 501S32=M4X8X11.5 | M4 | 8 mm | 11.5 mm | Stainless steel | Piece |
| 501S32=M4X12X8 | M4 | 12 mm | 8 mm | Stainless steel | Piece |
| 501S32=M5X10X10 | M5 | 10 mm | 10 mm | Stainless steel | Piece |
| 501S32=M5X12X9.5 | M5 | 12 mm | 9.5 mm | Stainless steel | Piece |
| 501S32=M5X12X11 | M5 | 12 mm | 11 mm | Stainless steel | Piece |
| 501S32=M5X12X13 | M5 | 12 mm | 13 mm | Stainless steel | Piece |
| 501S32=M6X14X7.5 | M6 | 14 mm | 7.5 mm | Stainless steel | Piece |
| 501S32=M6X14X10 | M6 | 14 mm | 10 mm | Stainless steel | Piece |
| 501S32=M6X14X12 | M6 | 14 mm | 12 mm | Stainless steel | Piece |



Bearing nut, hardened

Reference number 17Y93

Technical data

| Article number | Insertion length | Profile length | Shank length | Thread | Attachment Ø | Quantity unit |
|-------------------|------------------|----------------|--------------|--------|--------------|---------------|
| 17Y93=6X4.75XM4 | 3.5 mm | 12 mm | 4.75 mm | M4 | 6 mm | Piece |
| 17Y93=6X5XM4 | 4.1 mm | 12 mm | 5 mm | M4 | 6 mm | Piece |
| 17Y93=6X5.2XM4 | 3.95 mm | 12 mm | 5.2 mm | M4 | 6 mm | Piece |
| 17Y93=6X6.7XM4 | 5.45 mm | 12 mm | 6.7 mm | M4 | 6 mm | Piece |
| 17Y93=6X7.2XM4 | 6 mm | 12 mm | 7.2 mm | M4 | 6 mm | Piece |
| 17Y93=6X7.7XM4 | 6.45 mm | 12 mm | 7.7 mm | M4 | 6 mm | Piece |
| 17Y93=6X9.15XM4 | 7.9 mm | 12 mm | 9.15 mm | M4 | 6 mm | Piece |
| 17Y93=6.5X4.75XM4 | 3.5 mm | 12 mm | 4.75 mm | M4 | 6.5 mm | Piece |
| 17Y93=6.5X6.7XM4 | 5.45 mm | 12 mm | 6.7 mm | M4 | 6.5 mm | Piece |
| 17Y93=6.5X7.7XM4 | 6.45 mm | 12 mm | 7.7 mm | M4 | 6.5 mm | Piece |
| 17Y93=6.5X9.15XM4 | 7.9 mm | 12 mm | 9.15 mm | M4 | 6.5 mm | Piece |
| 17Y93=7X4.75XM4 | 3.5 mm | 12 mm | 4.75 mm | M4 | 7 mm | Piece |
| 17Y93=7X4.8XM5 | 3.55 mm | 12 mm | 4.8 mm | M5 | 7 mm | Piece |
| 17Y93=7X6.25XM5 | | | 6.25 mm | M5 | 7 mm | Piece |
| 17Y93=7X6.7XM4 | 5.45 mm | 12 mm | 6.7 mm | M4 | 7 mm | Piece |
| 17Y93=7X6.8XM5 | 5.55 mm | 12 mm | 6.8 mm | M5 | 7 mm | Piece |
| 17Y93=7X7XM5 | 5.5 mm | 12 mm | 7 mm | M5 | 7 mm | Piece |
| 17Y93=7X8.4XM5 | 7.2 mm | 12 mm | 8.4 mm | M5 | 7 mm | Piece |
| 17Y93=7X8.85XM5 | | | 8.85 mm | M5 | 7 mm | Piece |
| 17Y93=7.5X6.8XM5 | 5.55 mm | 12 mm | 6.8 mm | M5 | 7.5 mm | Piece |
| 17Y93=7.5X7XM5 | 5.55 mm | 12 mm | 7 mm | M5 | 7.5 mm | Piece |
| 17Y93=7X8.5XM5 | | | 8.5 mm | M5 | 7 mm | Piece |
| 17Y93=8X7.2XM5 | 6 mm | 12 mm | 7.2 mm | M5 | 8 mm | Piece |
| 17Y93=8X8.4XM5 | 7.2 mm | 12 mm | 8.4 mm | M5 | 8 mm | Piece |
| 17Y93=8X8.5XM5 | 7.4 mm | 12 mm | 8.5 mm | M5 | 8 mm | Piece |
| 17Y93=8X9XM5 | 7.6 mm | 12 mm | 9 mm | M5 | 8 mm | Piece |
| 17Y93=9X6.25XM6 | | | 6.25 mm | M6 | 9 mm | Piece |
| 17Y93=9X7.2XM6 | 6 mm | 14 mm | 7.2 mm | M6 | 9 mm | Piece |
| 17Y93=9X9.2XM6 | 8 mm | 14 mm | 9.2 mm | M6 | 9 mm | Piece |
| 17Y93=9.5X7.2XM6 | 6 mm | 14 mm | 7.2 mm | M6 | 9.5 mm | Piece |
| 17Y93=9.5X9.2XM6 | 8 mm | 14 mm | 9.2 mm | M6 | 9.5 mm | Piece |
| 17Y93=9X10.75XM6 | | | 10.75 mm | M6 | 9 mm | Piece |
| 17Y93=9X11.75XM6 | | | 11.75 mm | M6 | 9 mm | Piece |
| 17Y93=10X7.2XM6 | 6 mm | 14 mm | 7.2 mm | M6 | 10 mm | Piece |
| 17Y93=M5X7X6.4 | | | 6.4 mm | M5 | 7 mm | Piece |
| 17Y93=M5X7X7.5 | | | 7.5 mm | M5 | 7 mm | Piece |
| 17Y93=M5X7X8.3 | | | 8.3 mm | M5 | 7 mm | Piece |
| 17Y93=M6X8.5X7.8 | | | 7.8 mm | M6 | 8.5 mm | Piece |
| 17Y93=M6X8.5X9 | | | 9 mm | M6 | 8.5 mm | Piece |

Materials, tools and accessories

Materials – Closure technology



Information material

646D1471=EN_INT

21Y75N PU hook-and-loop closure product brief

PU hook-and-loop closure

Reference number 21Y75N

- Closure technology for orthopaedic technology
- Especially for closure types with higher loads, e.g. walking orthoses
- Polyamide with PU coating
- Heavy-duty hook-and-loop
- With strap guide loop and bracket
- Can be refastened many times
- User-friendly thanks to the absence of hooks at the beginning of the closure
- Very high hook-and-loop strength
- Individually adaptable length
- Abrasion-proof, smooth surface
- Easy to clean thanks to PU coating
- Not bulky
- Washable with a damp cloth
- Attractive design

Technical data

| Article number | Length | Width | Colour |
|-----------------|--------|-------|--------|
| 21Y75N=280X16-7 | 280 mm | 16 mm | Black |
| 21Y75N=280X25-7 | 280 mm | 25 mm | Black |
| 21Y75N=400X40-7 | 400 mm | 40 mm | Black |
| 21Y75N=680X50-7 | 680 mm | 50 mm | Black |



Hook-and-loop closure with weld seams

Reference number 21Y78

- For fast, detachable connections
- With strap guide loop
- Hook-and-loop strap
- 100% polyamide
- Individually adaptable length due to welding seam
- Can be refastened many times
- High hook-and-loop strength
- Very good inherent stiffness
- Flexible
- Skin-friendly thanks to velour



Technical data

| Article number | Length | Width | Colour |
|----------------|--------|-------|--------|
| 21Y78=420-40-7 | 420 mm | 40 mm | Black |
| 21Y78=420-50-7 | 420 mm | 50 mm | Black |
| 21Y78=650-40-7 | 650 mm | 40 mm | Black |
| 21Y78=650-50-7 | 650 mm | 50 mm | Black |



Hook-and-loop closure

Reference number 21Y78

- For fast, detachable connections
- With strap guide loop and bracket
- 100% polyamide
- Can be refastened many times
- Flexible
- High level of wearer comfort



Technical data

| Article number | Length | Width | Colour |
|----------------|--------|-------|--------|
| 21Y78=25-0 | 420 mm | 25 mm | Beige |
| 21Y78=30-0 | 420 mm | 30 mm | Beige |
| 21Y78=38-0 | 420 mm | 38 mm | Beige |
| 21Y78=50-0 | 420 mm | 50 mm | Beige |
| 21Y78=25-2 | 350 mm | 25 mm | Red |
| 21Y78=30-2 | 350 mm | 30 mm | Red |
| 21Y78=38-2 | 350 mm | 38 mm | Red |
| 21Y78=50-2 | 350 mm | 50 mm | Red |
| 21Y78=25-4 | 350 mm | 25 mm | Yellow |
| 21Y78=30-4 | 350 mm | 30 mm | Yellow |
| 21Y78=38-4 | 350 mm | 38 mm | Yellow |
| 21Y78=50-4 | 350 mm | 50 mm | Yellow |
| 21Y78=25-5 | 350 mm | 25 mm | Blue |
| 21Y78=30-5 | 350 mm | 30 mm | Blue |
| 21Y78=38-5 | 350 mm | 38 mm | Blue |
| 21Y78=50-5 | 350 mm | 50 mm | Blue |
| 21Y78=25-6 | 350 mm | 25 mm | White |
| 21Y78=30-6 | 350 mm | 30 mm | White |
| 21Y78=38-6 | 350 mm | 38 mm | White |
| 21Y78=50-6 | 350 mm | 50 mm | White |
| 21Y78=25-7 | 350 mm | 25 mm | Black |
| 21Y78=30-7 | 350 mm | 30 mm | Black |
| 21Y78=38-7 | 350 mm | 38 mm | Black |
| 21Y78=50-7 | 350 mm | 50 mm | Black |

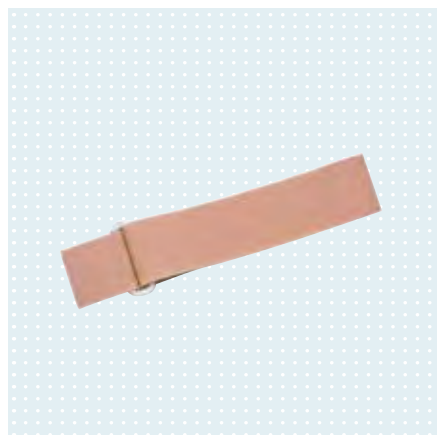


Practical recommendation 21Y78

Close before washing to protect the closure and/or other items in the wash.

Materials, tools and accessories

Materials – Closure technology



Hook-and-loop closure

Reference number 623Z3

- For 28U9 lower leg orthoses
- For fast, detachable connections
- With strap guide loop and bracket
- 100% polyamide
- Can be refastened many times
- Flexible
- High level of wearer comfort



Technical data

| Article number | Length | Width | Colour |
|----------------|--------|-------|--------|
| 623Z3=38X270 | 270 mm | 38 mm | Beige |
| 623Z3=38X310 | 310 mm | 38 mm | Beige |



Practical recommendation 623Z3

Close before washing to protect the closure and/or other items in the wash.





Hook-and-loop closure

Reference number 21Y122

- For fast, detachable connections
- 21Y122=38-7: with reinforced strap guide loop
- 21Y122=50-7: both sides with hook strip and two strap guide loops
- 100% polyamide
- Can be refastened many times
- Flexible
- High level of wearer comfort



Technical data

| Article image | Article number | Width | Colour |
|---|----------------|-------|--------|
|  | 21Y122=38-7 | 38 mm | Black |
|  | 21Y122=50-7 | 50 mm | Black |



Practical recommendation 21Y122

Close before washing to protect the closure and/or other items in the wash.



Strap guide loop

Reference number 514U2

- Plastic
- Prevents the loops from twisting

Technical data

| Article number | Clear width | Colour |
|----------------|-------------|--------|
| 514U2=20 | 20 mm | White |
| 514U2=25 | 25 mm | White |
| 514U2=30 | 30 mm | White |
| 514U2=38 | 38 mm | White |
| 514U2=50 | 50 mm | White |
| 514U2=38-7 | 38 mm | Black |
| 514U2=50-7 | 50 mm | Black |



Roll loop

Reference number 21Y92

- With plastic roller and plastic attachment plate
- Prevents the loops from twisting

Technical data

| Article number | Clear width | Colour |
|----------------|-------------|--------|
| 21Y92=35 | 35 mm | White |
| 21Y92=50 | 50 mm | White |
| 21Y92=35-7 | 39 mm | Black |
| 21Y92=50-7 | 50 mm | Black |

Materials, tools and accessories

Materials – Closure technology



Micro hook-and-loop, self-adhesive

Reference number 623Z*

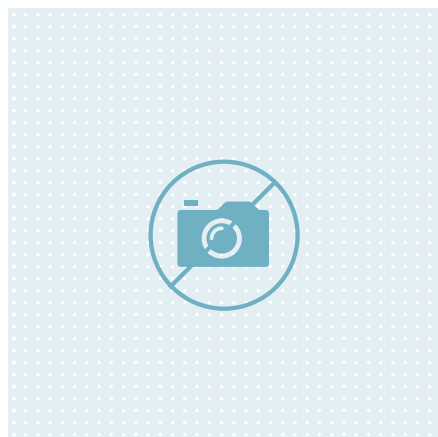
- Recommended especially in combination with 623P3 terry cloth padding fabric and with 623F* ComforTex
- Individually adaptable length
- Self-adhesive
- Very high hook-and-loop strength
- No additional bulk when fastening textile padding fabrics
- Facilitates very flexible connections



Technical data

| Article image | Article number | Width | Colour | Minimum order quantity |
|---|----------------|--------|--------|------------------------|
|  | 623Z4=50-6 | 50 mm | White | 10 m |
|  | 623Z200=100-7 | 100 mm | Black | 10 m |

• Please indicate the required length in metres when ordering.



TR ring orthosis closure

Reference number 29S12

Technical data

Article number

29S12=1

29S12=2



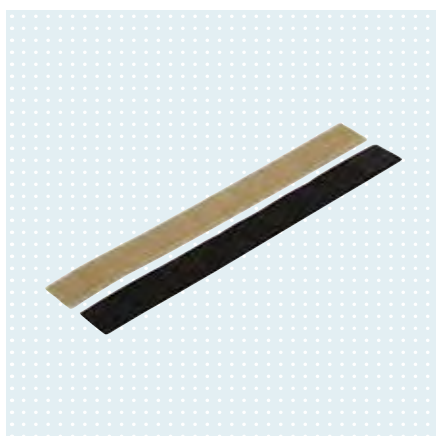
Shrinkable tubing

Reference number 616Z9

- For covering devices, e.g. orthotic joints or orthotic bars
- Plastic hose with rounded edges
- Good insulation protection
- Good corrosion protection
- Good resistance to liquids

Technical data

| Article number | Diameter | Length | Colour |
|----------------|----------|--------|--------|
| 616Z9=19X61 | 19 mm | 50 m | Black |
| 616Z9=25.4X30 | 25.4 mm | 50 m | Black |



Hook-and-loop strap

Reference number 170Z4

- Ideal for FreeWalk orthosis
- For fast, detachable connections
- 100% polyamide
- Can be refastened many times
- Flexible
- High level of wearer comfort



Technical data

| Article number | Spare part for | Length | Width | Colour | Order unit |
|----------------|--|--------|-------|-------------|------------|
| 170Z4=400-0 | 170K1=L-80-0 170K1=R-120-0 170K1=R-80-0 170K1=L-120-0 | 400 mm | 40 mm | Skin colour | Piece |
| 170Z4=600-0 | 170K1=L-80-0 170K1=R-120-0 170K1=R-80-0 170K1=L-120-0 | 600 mm | 40 mm | Skin colour | Piece |
| 170Z4=400-7 | 170K1=L-120-7 170K1=L-80-7 170K1=R-120-7 170K1=R-80-7 | 400 mm | 40 mm | Black | Piece |
| 170Z4=600-7 | 170K1=L-120-7 170K1=L-80-7 170K1=R-120-7 170K1=R-80-7 | 600 mm | 40 mm | Black | Piece |



Practical recommendation 170Z4

Close before washing to protect the closure and/or other items in the wash.

Materials, tools and accessories

Materials – Closure technology



Y-hook-and-loop with PU coating

Reference number 170D29

- For adapting straps, e.g. directly on the patient
- Particularly suitable for 623Z96 loop-velour strap
- For closure types with higher loads, e.g. walking orthoses
- For fast, detachable connections
- Polyester with PU coating
- Micro hook-and-loop/micro hook-and-loop (single side: heavy hook-and-loop)
- Various widths available
- Low bulk due to use of micro hook-and-loop only
- User-friendly design with “Open” embossing
- Easy to clean thanks to PU coating
- Washable with a damp cloth
- Can be refastened many times
- Flexible
- High level of wearer comfort

Technical data

| Article number | Width | Colour |
|----------------|-------|--------|
| 170D29=30-0 | 30 mm | Beige |
| 170D29=38-0 | 38 mm | Beige |
| 170D29=50-0 | 50 mm | Beige |
| 170D29=30-7 | 30 mm | Black |
| 170D29=38-7 | 38 mm | Black |
| 170D29=50-7 | 50 mm | Black |



Practical recommendation 170D29

We recommend using micro hook-and-loop on velour and hook on loop.



Pad button

Reference number 170D17

- For use with the 170D20 strap guide loop for pad button

Technical data

| Article number | Thread | Length | Order unit |
|----------------|--------|--------|------------|
| 170D17 | M5 | 2 mm | Piece |



Pad button

Reference number 170D69

- For use with the 170D20 strap guide loop for pad button

Technical data

| Article number | Spare part for | Thread | Quantity unit |
|----------------|--|--------|---------------|
| 170D69 | 170K1=L-120-7 170K1=L-80-0 170K1=L-80-7 170K1=R-120-0 170K1=R-120-7 170K1=R-80-0 170K1=R-80-7 170K1=L-120-0 | 4 | Piece |



Strap guide loop for pad button

Reference number 170D20

- For use with the 170D17 pad button
- Prevents the loops from twisting

Technical data

| Article number | Spare part for | Colour | Order unit |
|----------------|--|--------|------------|
| 170D20=0 | 170K1=L-80-0 170K1=R-120-0 170K1=R-80-0 170K1=L-120-0 | Beige | Piece |
| 170D20=7 | 170K1=L-120-7 170K1=L-80-7 170K1=R-120-7 170K1=R-80-7 | Black | Piece |



Tensioning clip

Reference number 21B43

- Finely adjustable closure
- Easy to use
- Easy to release

Technical data

| Article number | Length | Weight | Colour |
|----------------|--------|--------|--------|
| 21B43=W | 5.6 cm | 15 g | White |

- Please order 21B44 or 21B44=W strap along with the tensioning clip.

Materials, tools and accessories

Materials – Closure technology



Strap, treated

Reference number 21B44

- For 21B43 tensioning clip
- High durability

Technical data

| Article number | Length | Width | Colour | Order unit |
|----------------|---------|--------|--------|------------|
| 21B44 | 15.6 cm | 1.5 cm | Black | Piece |
| 21B44=W | 15.6 cm | 1.5 cm | White | Piece |



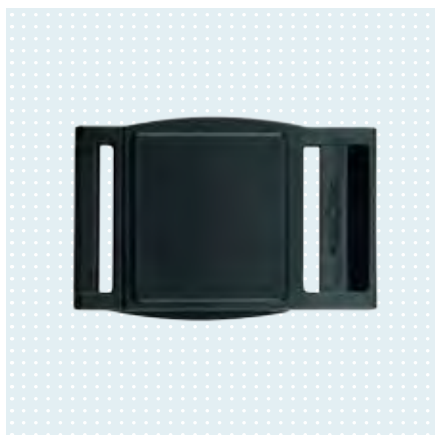
Strap

Reference number 21B42

- For 21B43 tensioning clip
- High durability

Technical data

| Article number | Length | Width | Colour | Order unit |
|----------------|---------|--------|--------|------------|
| 21B42 | 17.5 cm | 1.5 cm | Black | Piece |
| 21B42=W | 17.5 cm | 1.5 cm | White | Piece |



SafeLock buckle

Reference number 514Z8

- Magnetic closure that engages mechanically for use in orthosis fabrication
- Suitable for hand, shoulder, torso, knee and ankle orthoses depending on the size
- Plastic
- Self-actuating, secure closing via magnetic pull
- Easy, intuitive opening with one hand by pushing sideways
- Different sizes for strap widths of 20, 30 and 40 mm
- Robust and durable
- High load capacity (max. 55 kg)

Technical data

| Article number | Table helper variable | Length | Width | Clear width | Height | Colour | Order unit |
|----------------|----------------------------|--------|---------|-------------|--------|--------|------------|
| 514Z8=20-7 | 28U11 Walk On | 46 mm | 22 mm | 20 mm | 12 mm | Black | Piece |
| | 28U22 WalkOn Flex | | | | | | |
| | 28U23 WalkOn Trimable | | | | | | |
| | 28U24 WalkOn Reaction | | | | | | |
| | 28U25 WalkOn Reaction Plus | | | | | | |
| 514Z8=30-7 | 28U11 Walk On | 62 mm | 42 mm | 30 mm | 10 mm | Black | Piece |
| | 28U22 WalkOn Flex | | | | | | |
| | 28U23 WalkOn Trimable | | | | | | |
| | 28U24 WalkOn Reaction | | | | | | |
| | 28U25 WalkOn Reaction Plus | | | | | | |
| 514Z8=40-7 | 28U11 Walk On | 74 mm | 48.8 mm | 40 mm | 10 mm | Black | Piece |
| | 28U22 WalkOn Flex | | | | | | |
| | 28U23 WalkOn Trimable | | | | | | |
| | 28U24 WalkOn Reaction | | | | | | |
| | 28U25 WalkOn Reaction Plus | | | | | | |

Product example



Materials, tools and accessories

Materials – Closure technology



SafeLock slider

Reference number 514Z9

- Magnetic closure that engages mechanically for use in orthosis fabrication
- Suitable for torso, knee and ankle orthoses
- Plastic
- Self-actuating, secure closing via magnetic pull
- Easy, intuitive opening with one hand by pushing sideways
- Robust and durable
- High load capacity (max. 40 kg)

Technical data

| Article number | Length | Width | Clear width | Height | Colour | Order unit |
|----------------|--------|-------|-------------|--------|--------|------------|
| 514Z9=40-7 | 58 mm | 47 mm | 40 mm | 15 mm | Black | Piece |

Product example



QuickFit strap

Reference number 514Z20

- Closure and adjustment mechanism for orthoses
- Individual adaptation of the compression and support provided by the orthosis
- Length can be individually shortened
- Minute adjustments can be made on the go
- Easy, one-handed operation by turning the BOA® reel
- Quick opening and closing
- Robust and durable
- Lightweight material
- Can be combined with 514Z21 QuickFit buckle

Technical data

| Article number | Length | Width | Colour |
|----------------|------------------|---------------|--------|
| 514Z20=25-7 | Approx. 73–63 cm | Approx. 25 mm | Black |
| 514Z20=38-7 | Approx. 73–63 cm | Approx. 38 mm | Black |
| 514Z20=50-7 | Approx. 73–63 cm | Approx. 50 mm | Black |

Information material

646D1441=EN_INT 514Z20/514Z21 QuickFit strap/
QuickFit buckle produkt brief

Product example





QuickFit buckle

Reference number 514Z21

- Closure mechanism for orthoses
- The magnetic component ensures that the mechanism can be aligned and locked effortlessly
- Can be opened easily and intuitively with one hand
- Robust and durable
- Lightweight material
- Can be combined with 514Z20 QuickFit strap

Technical data

| Article number | Length | Width | Colour |
|----------------|---------------|---------------|--------|
| 514Z21=25-7 | Approx. 18 cm | Approx. 25 mm | Black |
| 514Z21=38-7 | Approx. 18 cm | Approx. 38 mm | Black |
| 514Z21=50-7 | Approx. 18 cm | Approx. 50 mm | Black |

Information material

646D1441=EN_INT

514Z20/514Z21 QuickFit strap/QuickFit buckle produkt brief

Product example



Materials, tools and accessories

Materials – Arm supports



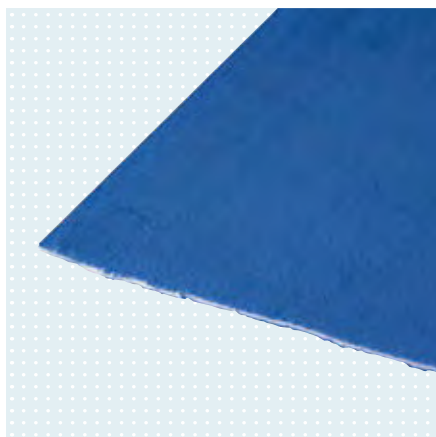
Forearm crutches

Reference number 22K*

- Forearm crutch
- For safety when walking
- With plastic grip
- Cushioned with a rubber capsule, ensures good grip when walking
- Light metal
- Height-adjustable in 25 mm increments from 780 to 980 mm (floor to grip)
- Secure and comfortable grip
- Weight: 1.140 kg/pair
- Maximum load capacity: 140 kg/each

Technical data

| Article number | Fits capsules | Colour |
|----------------|--------------------|-----------------|
| 22K2 | 23K2=16 23K6=16 | Silver anodized |
| 22K4 | 23K11 | Blue |






Terry cloth padding

Reference number 623P3

- For padding applications in orthotics
- Upper material: terry cloth, underside: loop material
- Compatible with hook-and-loop
- Good padding characteristics
- Comfortable to wear
- Individual shaping possible
- Washable

Technical data

| Article image | Article number | Length | Width | Thickness | Colour |
|--|----------------|--------|---------|-----------|--------|
|  | 623P3=1 | 1 m | 1460 mm | 4 mm | Blue |
| | 623P3=2 | 2 m | 1460 mm | 4 mm | Blue |
| | 623P3=5 | 5 m | 1460 mm | 4 mm | Blue |
| | 623P3=10 | 10 m | 1460 mm | 4 mm | Blue |
|  | 623P3=S1 | 1 m | 1460 mm | 4 mm | Black |
| | 623P3=S2 | 2 m | 1460 mm | 4 mm | Black |
| | 623P3=S5 | 5 m | 1460 mm | 4 mm | Black |
| | 623P3=S10 | 10 m | 1460 mm | 4 mm | Black |
|  | 623P3=H1 | 1 m | 1460 mm | 4 mm | Beige |
| | 623P3=H2 | 2 m | 1460 mm | 4 mm | Beige |
| | 623P3=H5 | 5 m | 1460 mm | 4 mm | Beige |
| | 623P3=H10 | 10 m | 1460 mm | 4 mm | Beige |

Information material

646F295=EN_INT

Padding materials poster



Practical recommendation 623P3

Can be combined with 623Z4 and 623Z200 micro hook-and-loop. Apply 636W71 CP contact adhesive to the micro hook-and-loop and fasten it to the surface to be padded.

Materials, tools and accessories

Materials – Pad



ComforTex air

Reference number 623F62

- For padding applications in orthotics
- 100% polyamide, first side
- 100% polyester, second side
- Compatible with hook-and-loop, first side
- High resilience
- Good padding characteristics
- High level of wearer comfort
- Air permeable
- Individual shaping possible



Information material

646F295=EN_INT Padding materials poster
646D854=EN ComforTex touch and feel booklet

Product example



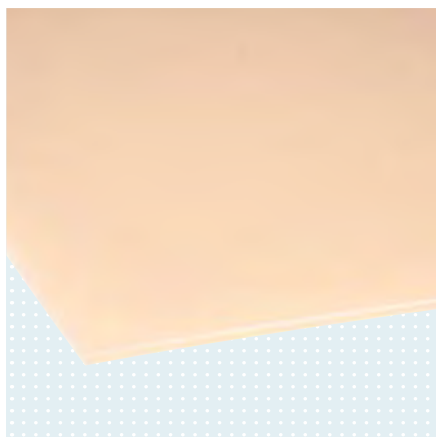
Technical data

| Article number | Length | Width | Thickness | Colour |
|----------------|--------|---------|-----------|--------|
| 623F62=1-7 | 1 m | 1400 mm | 3 mm | Black |
| 623F62=2-7 | 2 m | 1400 mm | 3 mm | Black |
| 623F62=5-7 | 5 m | 1400 mm | 3 mm | Black |



Practical recommendation 623F62

Can be combined with 623Z4 and 623Z200 micro hook-and-loop. Apply 636W71 CP contact adhesive to the micro hook-and-loop and fasten it to the surface to be padded.







ThermoLyn Pedilon

Reference number 616T73

- Low-temperature polyester
- For the fabrication of orthoses without preparing a plaster cast or model
- Mobile applications, making it ideal for hospital use and immediate treatment of patients
- Thermoformable at low temperatures
- Eliminates the time-consuming tasks of fabricating casts and models
- Very high adhesive strength
- High resilience when reheated
- Temperature recommendation: heat in water bath at 60 °C

Technical data

| Article image | Article number | Perforation | Length | Width | Thickness |
|---|--------------------|-------------|--------|-------|-----------|
|  | 616T73=FP60X43X1.6 | fine (FP) | 60 cm | 43 cm | 1.6 mm |
| | 616T73=FP60X43X2 | fine (FP) | 60 cm | 43 cm | 2 mm |
|  | 616T73=MP60X43X2 | medium (MP) | 60 cm | 43 cm | 2 mm |
| | 616T73=MP60X45X2.5 | medium (MP) | 60 cm | 45 cm | 2.5 mm |
| | 616T73=MP60X45X3.2 | medium (MP) | 60 cm | 45 cm | 3.2 mm |
|  | 616T73=GP60X43X2 | rough (GP) | 60 cm | 43 cm | 2 mm |
| | 616T73=GP60X45X3.2 | rough (GP) | 60 cm | 45 cm | 3.2 mm |
| | 616T73=GP90X60X4 | rough (GP) | 90 cm | 60 cm | 4 mm |
|  | 616T73=NP60X43X2 | no (NP) | 60 cm | 43 cm | 2 mm |
| | 616T73=NP90X60X3.2 | no (NP) | 90 cm | 60 cm | 3.2 mm |
| | 616T73=NP90X60X4 | no (NP) | 90 cm | 60 cm | 4 mm |

Information material

646F265=EN_INT

Thermoplastics poster

Processing and usage examples for 616T73



Place the pre-cut ThermoLyn Pedilon into warm water at approx. 60 °C in the 759P1=220 water pan. The material becomes transparent when it reaches its moulding temperature. Remove the pre-cut material with a wood spatula and allow the water to drip off.



Moisten hand and forearm thoroughly with cold water. Place the warm ThermoLyn Pedilon over the hand and forearm.



Final product: hand positioning orthosis

Materials, tools and accessories

Thermoplastics



ThermoLyn trolene

Reference number 616T3

- Flexible polyethylene
- Used as a forming and parting material
- For orthotic components that require little stiffness but high flexibility
- For fabricating flaps in socket technology
- Individually cut to size, it can be used as a device for filling work
- Reusable and easy to clean due to its smooth surface
- Opaque
- Good transparency
- Low molecular weight
- Good thermoplastic formability
- High flexibility
- Temperature recommendation: processing temperature 125 °C (convection oven, infrared oven)

Information material

646F265=EN_INT

Thermoplastics poster

Technical data

| Article number | Length | Width | Thickness | Colour |
|-------------------|---------|---------|-----------|----------------|
| 616T3=1 | 1000 mm | 500 mm | 1 mm | Natural colour |
| 616T3=2 | 1000 mm | 500 mm | 2 mm | Natural colour |
| 616T3=2000X1000X2 | 2000 mm | 1000 mm | 2 mm | Natural colour |
| 616T3=2000X1000X3 | 2000 mm | 1000 mm | 3 mm | Natural colour |
| 616T3=40X32X2 | 40 mm | 32 mm | 2 mm | Natural colour |



Practical recommendation 616T3

Can also be used as a dummy material, e.g. with lamination technique.



ThermoLyn PP-C

Reference number 616T120

- Polypropylene copolymer
- Possible applications: AFOs, KAFOs, FOs, TLSOs
- Wide range of applications
- Lightweight
- Good rigidity
- High impact strength
- Low tendency to white crack
- Good thermoforming properties
- Good shaping to orthotic joints
- Good welding characteristics
- Minor shrinkage: approx. 5%
- Easy to dye with Ottobock thermopapers
- Temperature recommendation: 185 °C (convection oven, infrared oven)

Information material

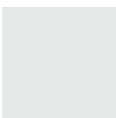

646F265=EN_INT

Thermoplastics poster

Product example



Technical data

| Article image | Article number | Length | Width | Thickness | Colour |
|---|---|-------------|---------|-----------|----------------|
|  | 616T120=2 | 2000 mm | 1000 mm | 2 mm | Natural colour |
| | 616T120=3 | 2000 mm | 1000 mm | 3 mm | Natural colour |
| | 616T120=4 | 2000 mm | 1000 mm | 4 mm | Natural colour |
| | 616T120=5 | 2000 mm | 1000 mm | 5 mm | Natural colour |
| | 616T120=6 | 2000 mm | 1000 mm | 6 mm | Natural colour |
| |  | 616T120=3-8 | 2000 mm | 1000 mm | 3 mm |
| 616T120=5-8 | | 2000 mm | 1000 mm | 5 mm | Brown |

Materials, tools and accessories

Thermoplastics



ThermoLyn PP-H

Reference number 616T*

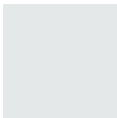

- Polypropylene homopolymer
- For shape-retaining orthotic components, e.g. paralysis orthoses, dynamic AFOs and Ankle Seven
- Sheet size of 400 x 400 mm is ideal for the fabrication of prosthetic sockets
- High rigidity
- High strength
- High thermoplastic dimensional stability
- Reduced impact strength
- Minor shrinkage: approx. 7%
- Easy to dye with Ottobock thermopapers
- Temperature recommendation: 185 °C (convection oven, infrared oven)

Information material

646F265=EN_INT

Thermoplastics poster

Technical data

| Article image | Article number | Length | Width | Thickness | Colour | |
|---|---|----------|---------|-----------|----------------|-------|
|  | 616T20=400X400X10 | 400 mm | 400 mm | 10 mm | Natural colour | |
| | 616T20=400X400X12 | 400 mm | 400 mm | 12 mm | Natural colour | |
| | 616T20=400X400X15 | 400 mm | 400 mm | 15 mm | Natural colour | |
| | 616T20=2000X2 | 2000 mm | 1000 mm | 2 mm | Natural colour | |
| | 616T20=2000X3 | 2000 mm | 1000 mm | 3 mm | Natural colour | |
| | 616T20=2000X4 | 2000 mm | 1000 mm | 4 mm | Natural colour | |
| | 616T20=2000X5 | 2000 mm | 1000 mm | 5 mm | Natural colour | |
| | 616T20=2000X6 | 2000 mm | 1000 mm | 6 mm | Natural colour | |
| | 616T20=2000X8 | 2000 mm | 1000 mm | 8 mm | Natural colour | |
| | 616T20=2000X10 | 2000 mm | 1000 mm | 10 mm | Natural colour | |
| | 616T20=2000X12 | 2000 mm | 1000 mm | 12 mm | Natural colour | |
| | 616T20=2000X15 | 2000 mm | 1000 mm | 15 mm | Natural colour | |
| |  | 616T56=3 | 2000 mm | 1000 mm | 3 mm | Brown |
| | | 616T56=4 | 2000 mm | 1000 mm | 4 mm | Brown |
| | | 616T56=5 | 2000 mm | 1000 mm | 5 mm | Brown |
| 616T56=6 | | 2000 mm | 1000 mm | 6 mm | Brown | |



Practical recommendation 616T*

The low impact value means great care must be taken during machining in order to avoid brittle fractures (stress concentration).



ThermoLyn PE 200

Reference number 616T*

- Polyethylene 200
- For fabricating orthoses, e.g. TLSOs
- Low molecular weight
- Good welding characteristics
- Good sanding characteristics
- Can be combined with, for example, 617S7/617S8 Plastazote®
- Minor shrinkage: approx. 8%
- Easy to dye with Ottobock thermopapers
- Temperature recommendation: 165 °C (convection oven, infrared oven)

Technical data

Information material

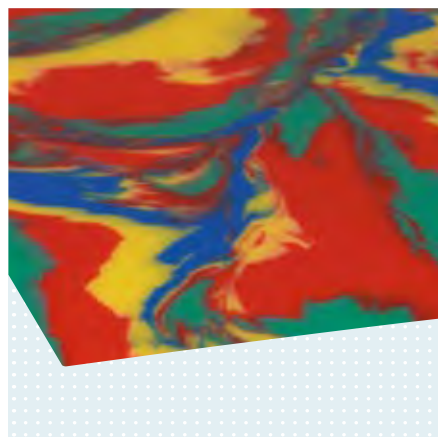
646F265=EN_INT

Thermoplastics poster

| Article image | Article number | Length | Width | Thickness | Colour |
|---------------|----------------|---------|---------|-----------|----------------|
| | 616T95=2 | 2000 mm | 1000 mm | 2 mm | Natural colour |
| | 616T95=3 | 2000 mm | 1000 mm | 3 mm | Natural colour |
| | 616T95=4 | 2000 mm | 1000 mm | 4 mm | Natural colour |
| | 616T95=5 | 2000 mm | 1000 mm | 5 mm | Natural colour |
| | 616T95=6 | 2000 mm | 1000 mm | 6 mm | Natural colour |
| | 616T95=8 | 2000 mm | 1000 mm | 8 mm | Natural colour |
| | 616T95=10 | 2000 mm | 1000 mm | 10 mm | Natural colour |
| | 616T95=12 | 2000 mm | 1000 mm | 12 mm | Natural colour |
| | 616T19=3-0 | 2000 mm | 1000 mm | 3 mm | Beige |
| | 616T19=4-0 | 2000 mm | 1000 mm | 4 mm | Beige |
| | 616T19=5-0 | 2000 mm | 1000 mm | 5 mm | Beige |
| | 616T58=3 | 2000 mm | 1000 mm | 3 mm | Blue |
| | 616T58=4 | 2000 mm | 1000 mm | 4 mm | Blue |
| | 616T58=5 | 2000 mm | 1000 mm | 5 mm | Blue |
| | 616T58=6 | 2000 mm | 1000 mm | 6 mm | Blue |

Materials, tools and accessories

Thermoplastics



ThermoLyn RCH 500

Reference number 616T*

- Polyethylene
- For fabricating orthoses, e.g. KAFOs, and for seating shells
- Homogenous thermoplastic material
- Medium molecular weight
- High rigidity
- Good heating behaviour
- Good antifriction properties
- Minor shrinkage: approx. 2%
- Temperature recommendation: 185 °C (convection oven, infrared oven)

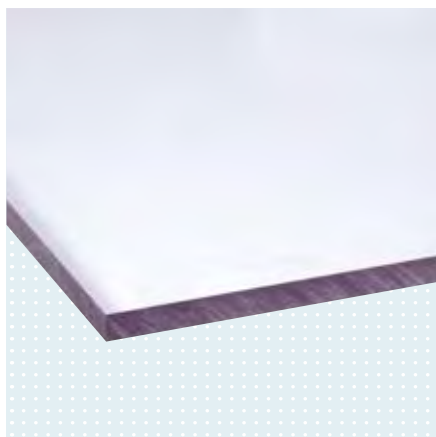
Technical data

Information material

646F265=EN_INT

Thermoplastics poster

| Article image | Article number | Length | Width | Thickness | Colour | |
|----------------|----------------|----------------|---------|-----------|----------------|----------|
| | 616T22=950X3N | 950 mm | 910 mm | 3 mm | Natural colour | |
| | 616T22=950X4N | 950 mm | 910 mm | 4 mm | Natural colour | |
| | 616T22=950X5N | 950 mm | 910 mm | 5 mm | Natural colour | |
| | 616T22=950X6N | 950 mm | 910 mm | 6 mm | Natural colour | |
| | 616T22=1910X2N | 1910 mm | 910 mm | 2 mm | Natural colour | |
| | 616T22=1910X3N | 1910 mm | 910 mm | 3 mm | Natural colour | |
| | 616T22=1910X4N | 1910 mm | 910 mm | 4 mm | Natural colour | |
| | 616T22=1910X5N | 1910 mm | 910 mm | 5 mm | Natural colour | |
| | 616T22=1910X6N | 1910 mm | 910 mm | 6 mm | Natural colour | |
| | 616T22=1910X8N | 1910 mm | 910 mm | 8 mm | Natural colour | |
| | 616T22=950X2H | 950 mm | 910 mm | 2 mm | Beige | |
| | 616T22=950X3H | 950 mm | 910 mm | 3 mm | Beige | |
| | 616T22=950X4H | 950 mm | 910 mm | 4 mm | Beige | |
| | 616T22=950X5H | 950 mm | 910 mm | 5 mm | Beige | |
| | 616T22=1910X2H | 1910 mm | 910 mm | 2 mm | Beige | |
| | 616T22=1910X3H | 1910 mm | 910 mm | 3 mm | Beige | |
| | 616T22=1910X4H | 1910 mm | 910 mm | 4 mm | Beige | |
| | 616T22=1910X5H | 1910 mm | 910 mm | 5 mm | Beige | |
| | | 616T22=1910X3G | 1910 mm | 910 mm | 3 mm | Graffiti |
| | | 616T22=1910X4G | 1910 mm | 910 mm | 4 mm | Graffiti |
| 616T22=1910X5G | | 1910 mm | 910 mm | 5 mm | Graffiti | |
| | 616T44=950X3 | 950 mm | 910 mm | 3 mm | Blue | |
| | 616T44=950X4 | 950 mm | 910 mm | 4 mm | Blue | |
| | 616T44=950X5 | 950 mm | 910 mm | 5 mm | Blue | |
| | 616T44=1910X2 | 1910 mm | 910 mm | 2 mm | Blue | |
| | 616T44=1910X3 | 1910 mm | 910 mm | 3 mm | Blue | |
| | 616T44=1910X4 | 1910 mm | 910 mm | 4 mm | Blue | |



ThermoLyn clear

Reference number 616T83

- Copolyester
- For fabricating scar compression masks, trial orthoses and self-supporting check sockets (limited wearing time)
- Also in antibacterial (616T283)
- Transparency of the check socket facilitates precise verification of the fit and skin discolouration on the residual limb
- Good fracture resistance
- Very high impact strength
- High dimensional stability
- Can be over-laminated to secure adapters
- Minor shrinkage: approx. 1%
- Temperature recommendation: 165 °C (convection oven, infrared oven)

Information material

| | |
|----------------|---|
| 646F265=EN_INT | Thermoplastics poster |
| 646D119=GB | Antibacterial SKINGUARD materials product information |
| 646D695=EN_INT | SKINGUARD technology patient information |

Technical data

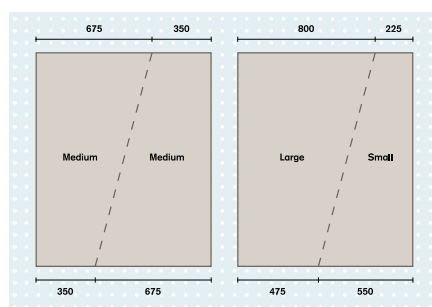
| Article number | For the fabrication of | Length | Width | Thickness | Colour |
|--------------------|---|---------|---------|-----------|--------|
| 616T83=8 | Trial orthoses | 400 mm | 400 mm | 8 mm | Clear |
| 616T83=10 | Self-supporting check sockets (for temporary use) | 400 mm | 400 mm | 10 mm | Clear |
| 616T83=12 | Self-supporting check sockets (for temporary use) | 400 mm | 400 mm | 12 mm | Clear |
| 616T83=15 | Self-supporting check sockets (for temporary use) | 400 mm | 400 mm | 15 mm | Clear |
| 616T83=20 | Self-supporting check sockets (for temporary use) | 400 mm | 400 mm | 20 mm | Clear |
| 616T83=1250X1025X3 | Scar compression masks | 1250 mm | 1025 mm | 3 mm | Clear |
| 616T83=1250X1025X4 | Scar compression masks | 1250 mm | 1025 mm | 4 mm | Clear |
| 616T83=1250X1025X6 | Trial orthoses | 1250 mm | 1025 mm | 6 mm | Clear |



Practical recommendation 616T83

- Store in a dry place protected from moisture. Pre-dry at 55 °C in a convection oven prior to processing if necessary.
- We recommend hot air for working edges.

Processing and usage examples for 616T83



Cutting suggestion

Cutting suggestion for 616T83 ThermoLyn clear, 6 mm (1250 x 1025 mm sheet) for a low amount of waste with trial orthoses (KAFOs)

Materials, tools and accessories

Thermoplastics



Silicone parting agent

Reference number 519L5

- For parting, gliding and lubricating
- Protects rubber, plastics and elastomers from becoming brittle
- Compact and solvent-free
- CFC-free



Technical data

| Article number | Net contents |
|----------------|--------------|
| 519L5 | 0.4 l |



TP.C woven carbon fibre

Reference number 617R15

- For high-strength, very thin orthoses on a thermoplastic material basis
- Matrix: TPU
- Type of fibre: carbon
- Can be thermoformed under pressure
- High tensile strength
- Suitable for surfaces
- Suitable for painting
- Potentially adhesive
- Can be welded with components of the same matrix
- Clean processing
- No special storage requirements (e.g. no cooling)
- Moderate thermoforming temperature: approx. 220 °C

Information material

| | |
|----------------|---|
| 646F265=EN_INT | Thermoplastics poster |
| 646A174=GB | Prepreg technology product information |
| 646T757=EN | 617R15 TP.C and 617R18 TP.C textile technical information |

Technical data

| Article number | Thickness | Packaging | Area | Fibre weight per unit area | Weave type | Fibre content | Resin content |
|----------------|-----------------|---------------------------------------|---------------------|----------------------------|------------|----------------|----------------|
| 617R15=1 | Approx. 0.25 mm | 3 sheets at 1000 x 430 mm per sheet | 1.29 m ² | 200 g/m ² | Twill 2/2 | 60 % by weight | 40 % by weight |
| 617R15=2 | Approx. 0.25 mm | 6 sheets at 1000 x 430 mm per sheet | 2.58 m ² | 200 g/m ² | Twill 2/2 | 60 % by weight | 40 % by weight |
| 617R15=5 | Approx. 0.25 mm | 12 sheets at 1,000 x 430 mm per sheet | 5.16 m ² | 200 g/m ² | Twill 2/2 | 60 % by weight | 40 % by weight |



TP.C textile

Reference number 617R18

- For prostheses and orthoses on a PP thermoplastic material basis
- Can be used as reinforcement for ThermoLyn PP-H (article no. 616T20=*)
- Matrix: polypropylene
- Type of fibre: aramid
- Can be thermoformed under pressure
- High tensile strength
- Suitable for surfaces
- Can be welded with components of the same matrix
- Clean processing
- No cooling required, but store UV protected
- Moderate thermoforming temperature: approx. 220 °C

Information material

| | |
|-----------------|---|
| 646D1446=EN_INT | 617R18 TP.C textile product brief |
| 646F265=EN_INT | Thermoplastics poster |
| 646T757=EN | 617R15 TP.C and 617R18 TP.C textile technical information |

Technical data

| Article number | Length | Width | Fibre weight per unit area | Weave type |
|----------------|--------|--------|----------------------------|------------|
| 617R18=50X2 | 2 m | 50 mm | 400 g/m ² | Twill 2/2 |
| 617R18=100X2 | 2 m | 100 mm | 400 g/m ² | Twill 2/2 |
| 617R18=190X2 | 2 m | 190 mm | 400 g/m ² | Twill 2/2 |



Practical recommendation 617R18

The 617R18 TP.C textile is particularly easy to process with the 755E62 and 755E5 Ottobock vacuum forming devices.



Separating film

Reference number 616F28

- Processing aid for TP.C
- Makes a glossy, clean surface that is optimally suited for further coating or painting
- Thermally stable
- Elongation at break: 300% +/-10%
- Tensile strength of 24 N/mm²
- Processing temperature: max. 260 °C
- Can be easily peeled off after curing

Technical data

| Article number | Length | Width | Thickness | Colour |
|-------------------|----------|---------|-----------|--------|
| 616F28=10000X1220 | 10000 mm | 1220 mm | 0.013 mm | Red |

Information material

| | |
|------------|---|
| 646A174=GB | Prepreg technology product information |
| 646T757=EN | 617R15 TP.C and 617R18 TP.C textile technical information |

Materials, tools and accessories

Plaster casting materials



Elastic plaster bandages

Reference number 699G1

- For taking a plaster cast
- Compression of the elastic bandage begins as the plaster cures
- Curing time adapted to the application
- Coated plaster bandage that leads to less plaster waste, is easier and faster to work with, can take loads earlier and results in a higher final strength of the bandage

Technical data

| Article number | Length | Width | Order unit | Package contents |
|----------------|--------|-------|------------|------------------|
| 699G1=10-12 | 3.6 m | 10 cm | Package | 12 pieces |
| 699G1=12-12 | 3.6 m | 12 cm | Package | 12 pieces |



Cellona® plaster bandages

Reference number 699G*

- For taking a plaster cast
- Easy moulding
- The bandage is ready for loading or transportation after only approx. 30 minutes and fully cured after approx. 24 hours
- Coated plaster bandage that leads to less plaster waste, is easier and faster to work with, can take loads earlier and results in a higher final strength of the bandage

Technical data

| Article number | Length | Width | Order unit | Package contents |
|----------------|--------|-------|------------|------------------|
| 699G3=6-10 | 2 m | 6 cm | Package | 10 pieces |
| 699G3=8-10 | 2 m | 8 cm | Package | 10 pieces |
| 699G3=10-10 | 2 m | 10 cm | Package | 10 pieces |
| 699G3=12-10 | 2 m | 12 cm | Package | 10 pieces |
| 699G3=15-10 | 2 m | 15 cm | Package | 10 pieces |
| 699G3=20-10 | 2 m | 20 cm | Package | 10 pieces |
| 699G9=10-10 | 3 m | 10 cm | Package | 10 pieces |
| 699G9=12-10 | 3 m | 12 cm | Package | 10 pieces |
| 699G9=15-10 | 3 m | 15 cm | Package | 10 pieces |
| 699G9=20-10 | 3 m | 20 cm | Package | 10 pieces |

Cellona® is a registered trademark of Lohmann.



Cellacast Xtra® synthetic casting tapes

Reference number 699G30

- For immobilisation after fractures, operations and orthopaedic corrections; for treatment of joint and bone disorders and for promoting mobilisation as well as for bandaging child patients
- For making temporary fastenings in prosthetics (socket protection/adaptor securing, e.g. check sockets)
- For producing negative casts (orthotics)
- Alternative to the conventional plaster bandage
- Lightweight, permeable to air, X-ray transparent, waterproof and very stable once hardened
- Good adhesion to various materials, e.g. wood, lamination resin, foam, thermoplastic materials

Technical data

| Article number | Length | Width | Colour | Order unit | Package contents |
|-------------------|--------|---------|--------|------------|------------------|
| 699G30=5-3-10 | 3.6 m | 5 cm | Green | Package | 10 pieces |
| 699G30=7.5-3-10 | 3.6 m | 7.5 cm | Green | Package | 10 pieces |
| 699G30=10-3-10 | 3.6 m | 10 cm | Green | Package | 10 pieces |
| 699G30=12.5-3-10 | 3.6 m | 12.5 cm | Green | Package | 10 pieces |
| 699G30=5-4-10 | 3.6 m | 5 cm | Yellow | Package | 10 pieces |
| 699G30=7.5-4-10 | 3.6 m | 7.5 cm | Yellow | Package | 10 pieces |
| 699G30=10-4-10 | 3.6 m | 10 cm | Yellow | Package | 10 pieces |
| 699G30=12.5-4-10 | 3.6 m | 12.5 cm | Yellow | Package | 10 pieces |
| 699G30=5-5-10 | 3.6 m | 5 cm | Blue | Package | 10 pieces |
| 699G30=7.5-5-10 | 3.6 m | 7.5 cm | Blue | Package | 10 pieces |
| 699G30=10-5-10 | 3.6 m | 10 cm | Blue | Package | 10 pieces |
| 699G30=12.5-5-10 | 3.6 m | 12.5 cm | Blue | Package | 10 pieces |
| 699G30=5-9-10 | 3.6 m | 5 cm | Cream | Package | 10 pieces |
| 699G30=7.5-9-10 | 3.6 m | 7.5 cm | Cream | Package | 10 pieces |
| 699G30=10-9-10 | 3.6 m | 10 cm | Cream | Package | 10 pieces |
| 699G30=12.5-9-10 | 3.6 m | 12.5 cm | Cream | Package | 10 pieces |
| 699G30=5-13-10 | 3.6 m | 5 cm | Orange | Package | 10 pieces |
| 699G30=7.5-13-10 | 3.6 m | 7.5 cm | Orange | Package | 10 pieces |
| 699G30=10-13-10 | 3.6 m | 10 cm | Orange | Package | 10 pieces |
| 699G30=12.5-13-10 | 3.6 m | 12.5 cm | Orange | Package | 10 pieces |



Practical recommendation 699G30

- We recommend using 641H9=2 latex-free examination gloves for processing.
- The bandage can be prevented from sticking to the skin by enveloping all surfaces that come into contact with the synthetic bandage in a body protection stockinette (e.g. 81A1 nylon sock on a roll) before applying the bandage.

Materials, tools and accessories

Plaster casting materials



Porous plaster

Reference number 87G4

- Special plaster for direct contact with silicones in vacuum technology for Pastasil and Chlorosil
- Porous plaster for silicone technology
- Harder than modelling plaster
- Very good stability
- Low water consumption

Technical data

| Article number | Net contents |
|----------------|--------------|
| 87G4=25 | 25 kg |

Mixing ratio

| Water | Porous plaster 87G4 |
|-------|---------------------|
| 1 | 1,6 |



Practical recommendation 87G4

- Mixing time approx. 2–4 minutes.
- To protect the product during use, open or partly used bags should be carefully folded and sealed.



Orthocryl lamination resin 80:20 Speed

Reference number 617H19S

- Lamination resin for small prosthetic and orthotic components
- Same mixing ratio of hardener powder and lamination resin as with 617H19 Orthocryl lamination resin 80:20 (max. 3%)
- Requires only half the curing time of Orthocryl lamination resin 80:20
- Using the same proportion of hardener powder prevents the formation of bubbles and a brittle lamination with a shorter curing time
- Consistent lamination quality as with Orthocryl lamination resin 80:20, with a reduced curing time
- Same viscosity with the same mechanical characteristics as Orthocryl lamination resin 80:20
- Can be combined with all common reinforcement materials in orthopaedic technology
- Hardener/colour pastes are easy to mix

Mixing ratio

| Resin | Hardener | Pigment paste |
|-------|----------|---------------|
| 100 | 2-3 | 3 |

Information material

| | |
|--------------------|--|
| 646D1444=EN_MASTER | 617H19S Orthocryl lamination resin 80:20 Speed product brief |
| 646F351=EN_MASTER | Lamination resins poster |



Technical data

| Article number | Net contents |
|----------------|--------------|
| 617H19S=0.900 | 0.9 kg |
| 617H19S=4.600 | 4.6 kg |
| 617H19S=25 | 25 kg |

- The 642K13 filling set is available as an accessory for containers of 25 kg and over.

i Practical recommendation 617H19S

Adding hardener powders in proportions greater than 3% results in the formation of bubbles and a brittle lamination with all lamination resins used in the field of orthopaedic technology. Use 617H19S Orthocryl lamination resin 80:20 Speed to make small components available for further processing more quickly, without jeopardising quality.



Materials, tools and accessories

Materials for lamination technique



Orthocryl lamination resin 80:20

Reference number 617H19

- The proven classic material for laminating
- Optimum 80:20 ratio for fabricating stiff laminates (with 20% 617H17 Orthocryl, soft)
- Can be combined with all common reinforcement materials in orthopaedic technology
- 617H19=25 P supplied in plastic canister (filling set included)



Technical data

| Article number | Net contents |
|----------------|--------------|
| 617H19=0.900 E | 0.9 kg |
| 617H19=4.600 E | 4.6 kg |
| 617H19=25 E | 25 kg |
| 617H19=25 P | 25 kg |

- The 642K13 filling set is available as an accessory for metal containers of 25 kg and over.

i Practical recommendation 617H19
For sheet casting, use only 616F4 PVA bag or 99B81 PVA tubes.

Mixing ratio

| Resin | Hardener | Pigment paste |
|-------|----------|---------------|
| 100 | 2-3 | 3 |

Information material
646F351=EN_MASTER Lamination resins poster



C-Orthocryl

Reference number 617H55

- Lamination resin for carbon fibre technique
- Facilitates fabricating components with a low proportion of resin
- Optimum ratio of matrix to reinforcing materials



Technical data

| Article number | Net contents |
|----------------|--------------|
| 617H55=0.900 | 0.9 kg |
| 617H55=4.600 | 4.6 kg |
| 617H55=25 | 25 kg |

- The 642K13 filling set is available as an accessory for containers of 25 kg and over.

i Practical recommendation 617H55
• No filter layers are required when casting carbon on carbon.
• For sheet casting, use only 616F4 PVA bag or 99B81 PVA tubes.

Mixing ratio

| Resin | Hardener | Pigment paste |
|-------|----------|---------------|
| 100 | 2-3 | 3 |

Information material
646F351=EN_MASTER Lamination resins poster



Orthocryl lamination resin 80:20 PRO

Reference number 617H119

- Lamination resin for the fabrication of components with a low proportion of resin
- Lower viscosity with the same mechanical characteristics as 617H19
- Better penetration of the reinforcement
- Faster evacuation of air from the reinforcement
- The air that is evacuated and subsequently rises can escape from the resin during lamination and is not locked into the resin. This increases the quality and stability of the end result
- Hardener/colour pastes are easier to mix



Mixing ratio

| Resin | Hardener | Pigment paste |
|-------|----------|---------------|
| 100 | 2-3 | 3 |

Information material

| | |
|--------------------|--|
| 646D1443=EN_MASTER | 617H119 Orthocryl lamination resin 80:20 PRO product brief |
| 646D718=EN | 617H119 Orthocryl lamination resin 80:20 PRO product information |
| 646F351=EN_MASTER | Lamination resins poster |

Technical data

| Article number | Net contents |
|----------------|--------------|
| 617H119=0.900 | 0.9 kg |
| 617H119=4.600 | 4.6 kg |
| 617H119=25 | 25 kg |

- The 642K13 filling set is available as an accessory for containers of 25 kg and over.



Thinner for Orthocryl resins

Reference number 634A28

- For thinning, especially of Orthocryl resins
- For cleaning
- For altering the viscosity of the resin, particularly for swashing out open-pored Pedilen sockets
- Can also be used for working the edges of check sockets such as ThermoLyn clear, ThermoLyn rigid, ThermoLyn PETG clear



Technical data

| Article number | Net contents |
|----------------|--------------|
| 634A28 | 0.8 kg |

Materials, tools and accessories

Materials for lamination technique



Hardening powder

Reference number 617P37

- For Orthocryl resins and 617H500 Orthovinyl resin as well as 636K18 Orthocryl sealing resin compact adhesive
- Includes 1 g measuring spoon
- Mixes well with Orthocryl and Orthovinyl resins
- Easy dosing
- Reduces the flow properties of Orthocryl and Orthovinyl resins



Technical data

| Information material | |
|----------------------|--------------------------|
| 646F351=EN_MASTER | Lamination resins poster |

| Article number | Net contents |
|----------------|--------------|
| 617P37=0.150 | 0.15 kg |

i **Practical recommendation 617P37**
Applies to all Orthocryl resins: add max. 3% 617P37 hardening powder.



Orthopox epoxy resin

Reference number 617H5

- For lightweight, thin-walled, yet sturdy laminates
- Transparent, epoxy-based resin
- Optimum resin content is easily adjusted
- Small number of layers possible
- Optimum ratio of matrix to reinforcing materials
- Optimum impregnation, especially of carbon fibres
- Good bonding to the reinforcement fibres
- Higher structural strength compared to acrylic resins
- Produces a very smooth surface
- Can be coloured with Ottobock pigment pastes
- Curing time can be controlled by temperature



| Mixing ratio | | |
|--------------|----------|---------------|
| Resin | Hardener | Pigment paste |
| 100 | 26 | max. 3 |

| Information material | |
|----------------------|--|
| 646D1445=EN_MASTER | 617H5 Orthopox epoxy resin product brief |
| 646F351=EN_MASTER | Lamination resins poster |

Technical data

| Article number | Net contents |
|----------------|--------------|
| 617H5=1 | 1 kg |
| 617H5=5 | 5 kg |

i **Practical recommendation 617H5**

- Can be demoulded after 10 hours at 23 °C ambient temperature under a vacuum.
- Interim annealing for 1 hour at 60 °C for optimal processing.
- Final annealing for tension-free final hardness, 1 hour at 100 °C.
- Optional: for permanent skin contact, 10 hours at 80 °C.



EP hardener for Orthopox

Reference number 617P5

- For 617H5 Orthopox epoxy resin

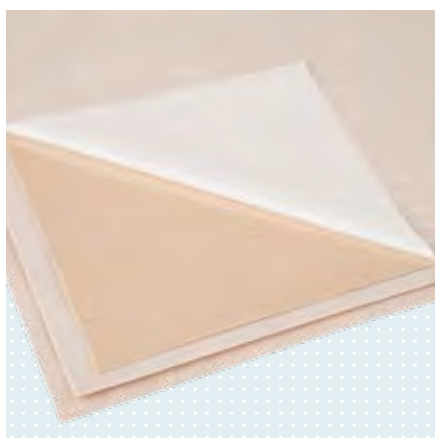


Technical data

| Article number | Net contents |
|----------------|--------------|
| 617P5=0.26 | 0.26 kg |
| 617P5=0.7 | 0.7 kg |

Information material

646F351=EN_MASTER Lamination resins poster



Resin film

Reference number 616B60

- Developed especially for fabricating exceptionally sturdy and lightweight prostheses and orthoses
- Lighter, thinner components with rigidity equal to that of components on acrylic resin basis
- On epoxy resin basis
- Clean and easy processing
- Excellent draping characteristics
- Resin quantity can be applied precisely
- Adjustable resin content
- Cut pieces of resin film can be stored in a conventional freezer
- Smaller storage volumes in freezer compared to prepreg
- Saves auxiliary materials (e.g. no additional fixing of reinforcing materials required)
- Can be combined with Ottobock reinforcement materials and prepreps



Information material

646D1477=EN_MASTER 616B60 resin film product brief

Technical data

| Article number | Packaging | Package | Weight per unit area |
|----------------|------------------------------------|-------------------|----------------------|
| 616B60=2 | 23 foils at 300 x 300 mm per foil | 2 m ² | 340 g/m ² |
| 616B60=5 | 56 foils at 300 x 300 mm per foil | 5 m ² | 340 g/m ² |
| 616B60=10 | 112 foils at 300 x 300 mm per foil | 10 m ² | 340 g/m ² |

- When stored at a temperature of -18 °C, the resin film can be processed for approximately 12 months; at room temperature, a maximum of 21 days. Freeze in moisture-proof sealed packaging; in order to avoid condensation, thaw to room temperature in moisture-proof sealed packaging. Each thawing and freezing cycle reduces the storage stability and degrades the quality significantly.
- Shipping days: Monday, Tuesday, Wednesday



Practical recommendation 616B60

- The optimal processing temperature is between 20 °C and 23 °C.
- Make sure the processing area is dry and free of dust, talcum and grease.
- The resin content of the laminate should be at least 50% by weight. For this reason, please pay attention to the weight per unit area of your reinforcement material.
- We recommend using the 633T18 cooling spray to make it easier to remove the protective film from the resin film. Spray the edge of the protective film lightly for this purpose.
- For the first layer, apply spray adhesive to the laminating tool.
- Cure for 4 h under vacuum in a 130 °C oven.

Materials, tools and accessories

Materials for lamination technique



Cooling spray

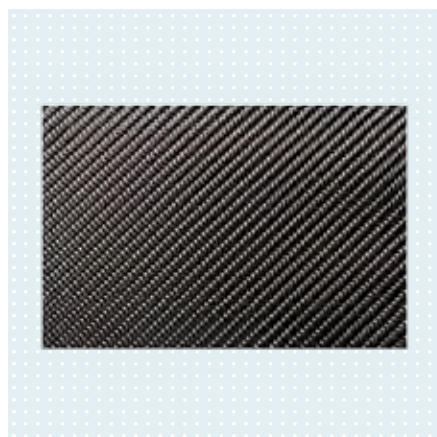
Reference number 633T18

- Device for loosening the covering film on prepregs
- Device for loosening the covering film on 616B60 resin film
- Useful for demoulding components
- For immediate cooling of smaller areas or parts
- Possible temperature as low as -48 °C depending on spray duration
- Very rapid evaporation with no residue
- Good cleaning effect
- No detrimental influences on plastics or insulating materials



Technical data

| Article number | Net contents |
|----------------|--------------|
| 633T18 | 400 ml |



Orthopox woven carbon fibre

Reference number 616G12

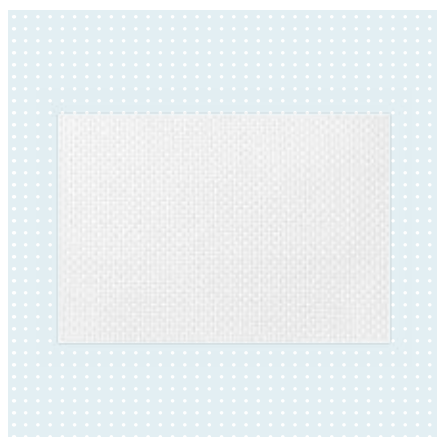
- Reinforcement fibres for 617H5 Orthopox epoxy resin and 616B60 resin film
- Not for use with acrylic resins
- No fraying of the fibres
- No double-sided adhesive tape required

Technical data

| Article number | Length | Width |
|----------------|--------|--------|
| 616G12=H5.1 | 1 m | 1.20 m |
| 616G12=H5.5 | 5 m | 1.20 m |

Information material

646F351=EN_MASTER Lamination resins poster



Orthopox woven flex

Reference number 616G181

- Reinforcement fibres for 617H5 Orthopox epoxy resin and 616B60 resin film
- Not for use with acrylic resins
- Dyneema substitute with better resin adhesion
- Protects against breakage
- Very good post-processing characteristics (e.g. sanding)

Technical data

| Article number | Length | Width |
|----------------|--------|--------|
| 616G181=H5.2 | 2 m | 1.25 m |

Information material

646F351=EN_MASTER Lamination resins poster

Materials, tools and accessories

Materials for lamination technique







Pigment paste

Reference number 617Z2

- For lamination resins and putties
- For sealing resin and sealing resin compact adhesive
- For a natural look
- Mixes well
- Good surface coverage



Technical data

| Article image | Article number | Net contents | Packaging | Description | |
|---|----------------|--------------|-----------|---------------|---|
|  | 617Z2=0.180 | 0.18 kg | Tube | Beige (light) |  |
|  | 617Z2=1 | 1 kg | Can | Beige (light) |  |



Practical recommendation 617Z2

Mix pigment paste and lamination resin well. Once mixing is complete, add hardener.

Materials, tools and accessories

Materials for lamination technique



Pigment paste

Reference number 617Z*

- For lamination resins and putties
- For sealing resin and sealing resin compact adhesive
- Large choice of colours
- High luminosity
- Mixes well
- Good surface coverage



Technical data

| Article number | Net contents | Description | |
|----------------|--------------|-------------|--|
| 617Z3 | 0.25 kg | Tan beige | |
| 617Z4 | 0.25 kg | White | |
| 617Z5 | 0.25 kg | Yellow | |
| 617Z6 | 0.2 kg | Red | |
| 617Z7 | 0.25 kg | Blue | |
| 617Z9 | 0.25 kg | Black | |
| 617Z58=3 | 0.25 kg | Green | |



Practical recommendation 617Z*

Mix pigment paste and lamination resin well. Once mixing is complete, add hardener.



Measuring cup

Reference number 642B2

- Polypropylene measuring cup
- Scaling facilitates a precise mixing ratio
- The 1000-g cup is especially well suited for laminating pelvic sockets and orthoses, and for taking impressions and foaming with large volumes
- Reusable

Technical data

| Article number | Volume | Minimum order quantity |
|----------------|--------|------------------------|
| 642B2=50 | 50 g | 100 pieces |
| 642B2=100 | 100 g | 100 pieces |
| 642B2=200 | 200 g | 100 pieces |
| 642B2=400 | 400 g | 100 pieces |
| 642B2=1000 | 1000 g | 100 pieces |



Practical recommendation 642B2

- The varying density of the foam and hardener results in a precise mixing ratio of 1:1. We recommend using a measuring cup to ensure this mixing ratio.
- Add slightly more than the required amount of liquid foam, since a small amount often remains in the measuring cup.



PVA bags

Reference number 99B81

- For working with lamination resins as well as prepreg and resin film
- Sizes available for all amputation and orthosis types
- Film adapts to contours extremely well
- Easy to weld with the 756E1 hand sealing iron
- Good stretching properties
- High resistance to tearing

Technical data

| Article number | For the fabrication of | Length | Width | Height | Thickness | Order unit | Package contents |
|-----------------|--|--------|-------|--------|-----------|------------|------------------|
| 99B81=60X11X4 | Upper limb prostheses | 60 cm | 11 cm | 4 cm | 0.08 mm | Package | 10 pieces |
| 99B81=70X19X5 | Soft-walled inner sockets and transtibial prostheses | 70 cm | 19 cm | 5 cm | 0.08 mm | Package | 10 pieces |
| 99B81=70X27X5 | Thigh sleeves/ transfemoral prostheses | 70 cm | 27 cm | 5 cm | 0.08 mm | Package | 10 pieces |
| 99B81=100X12X4 | Upper limb prostheses | 100 cm | 12 cm | 4 cm | 0.08 mm | Package | 10 pieces |
| 99B81=100X19X5 | Transtibial prostheses | 100 cm | 19 cm | 5 cm | 0.08 mm | Package | 10 pieces |
| 99B81=100X26X5 | Transfemoral prostheses | 100 cm | 26 cm | 5 cm | 0.08 mm | Package | 10 pieces |
| 99B81=100X30X5 | Transfemoral prostheses | 100 cm | 30 cm | 5 cm | 0.08 mm | Package | 10 pieces |
| 99B81=100X36X5 | Transfemoral prostheses | 100 cm | 36 cm | 5 cm | 0.08 mm | Package | 10 pieces |
| 99B81=120X50X10 | Hip disarticulation | 120 cm | 50 cm | 10 cm | 0.08 mm | Package | 10 pieces |
| 99B81=130X19X5 | KAFO | 130 cm | 19 cm | 5 cm | 0.08 mm | Package | 10 pieces |
| 99B81=130X22X5 | KAFO | 130 cm | 22 cm | 5 cm | 0.08 mm | Package | 10 pieces |
| 99B81=130X26X5 | KAFO | 130 cm | 26 cm | 5 cm | 0.08 mm | Package | 10 pieces |

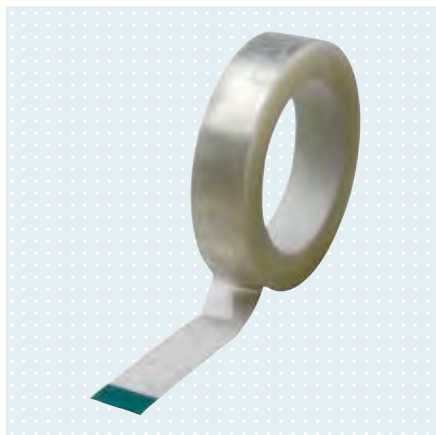
Information material

646A174=GB

Prepreg technology
product information

Materials, tools and accessories

Materials for lamination technique



Polyethylene adhesive tape

Reference number 627B40

- For sealing damaged PVA film
- The proven classic material
- Wide range of applications
- Base material: PE sheeting
- Acrylic adhesive material
- High elasticity
- High resistance to tearing
- Thermally stable



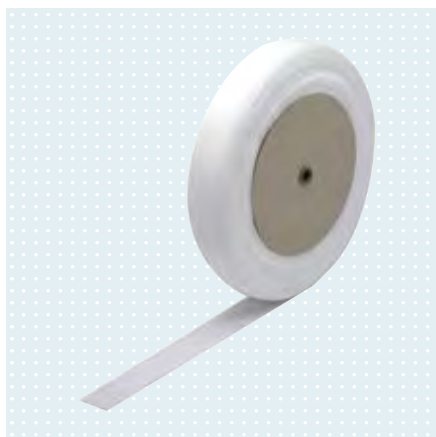
Technical data

| Article number | Length | Width | Colour | Order unit |
|----------------|--------|-------|-------------|------------|
| 627B40 | 33 m | 25 mm | Transparent | roll |

Processing and usage examples for 627B40



Apply 627B40 polyethylene adhesive tape around the areas that are to be opened after laminating; while doing so, excessive resin in these areas can be reduced with the pre-tensioned adhesive tape. With a given pre-tensioning, the adhesive tape can be twisted to a cord so that excess resin can also be reduced in areas that are difficult to access.



Nylon sock

Reference number 81A1

- For plaster casting, e.g. for KAFOs
- Suitable as a filter and final layer for laminating
- For reinforcing Pastasil
- For vacuum technique with Chlorosil
- Polyamide
- Especially elastic
- Not pre-impregnated



Technical data

| Article number | Length | Width | Weight |
|----------------|---------|-------|--------|
| 81A1=8 | 101.5 m | 8 cm | 1 kg |
| 81A1=10 | 84.6 m | 10 cm | 1 kg |
| 81A1=12 | 67.8 m | 12 cm | 1 kg |
| 81A1=15 | 52.5 m | 15 cm | 1 kg |
| 81A1=20 | 48 m | 20 cm | 1 kg |



Practical recommendation 81A1
Individually adaptable and weldable.

Processing and usage examples for 81A1



Application example – vacuum forming in orthotics

Pull 81A1 nylon sock over the plaster model, cut to length so it is twice the size of the model, twist off and fold back again.



Application example – vacuum forming in prosthetics

Pre-tension the 81A1 nylon sock, twist it and then secure it with combination pliers. Using a pair of scissors, cut off the end of the seam. Using the flame of a cigarette lighter, weld the cut surface and then immediately smoothen the weld seam.



With the welded seam turned inwards, pull the sock over the model.

Materials, tools and accessories

Materials – Stockinettes



Perlon® stockinette, white

Reference number 623T3

- For fabricating laminates
- Knitted fabric
- Finely meshed
- Good stretching properties
- Good shaping
- Smooth surface after laminating
- Suitable for surfaces



Technical data

| Article number | Length | Width | Weight |
|----------------|--------|-------|--------|
| 623T3=4 | 45.4 m | 4 cm | 0.5 kg |
| 623T3=6 | 27.7 m | 6 cm | 0.5 kg |
| 623T3=8 | 20.8 m | 8 cm | 0.5 kg |
| 623T3=10 | 37 m | 10 cm | 1 kg |
| 623T3=12 | 33.3 m | 12 cm | 1 kg |
| 623T3=15 | 27 m | 15 cm | 1 kg |
| 623T3=20 | 20 m | 20 cm | 1 kg |
| 623T3=25 | 13.5 m | 25 cm | 1 kg |
| 623T3=30 | 11.1 m | 30 cm | 1 kg |
| 623T3=35 | 10.2 m | 35 cm | 1 kg |
| 623T3=40 | 8.8 m | 40 cm | 1 kg |

Perlon® is a registered trademark of Perlon-Monofil GmbH.

All Ottobock reinforcement materials are photographed from top to bottom. Lengthwise (warp), crosswise (weft)



Nylglas stockinette, white

Reference number 623T9

- For fabricating laminates
- Blend of polyamide (35%) and fibreglass (65%)
- Knitted fabric
- Finely meshed
- High strength
- Low resin absorption combined with high stability



Technical data

| Article number | Length | Width | Weight |
|----------------|--------|-------|--------|
| 623T9=6 | 31.2 m | 6 cm | 0.5 kg |
| 623T9=8 | 35.7 m | 8 cm | 1 kg |
| 623T9=10 | 32.2 m | 10 cm | 1 kg |
| 623T9=12 | 26.3 m | 12 cm | 1 kg |
| 623T9=15 | 23.8 m | 15 cm | 1 kg |
| 623T9=20 | 18 m | 20 cm | 1 kg |
| 623T9=25 | 15.2 m | 25 cm | 1 kg |
| 623T9=30 | 11.6 m | 30 cm | 1 kg |

Materials, tools and accessories

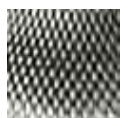
Materials – Carbon and fibreglass materials



Carbon UD stockinette

Reference number 616H20

- For axial reinforcement (bending forces) of thin-walled, high-strength laminates
- Designed especially for use with acrylic resins (e.g. 617H55 C-Orthocryl)
- The elastic weft thread allows the carbon threads to maintain their 0° orientation, regardless of the diameter
- No elaborate cutting or forming work is necessary with formed models
- The elastic weft thread facilitates forming the stockinette to the model and saves valuable working time
- Not suitable for surfaces



Product example



Technical data

| Article number | Length | Width |
|----------------|--------|--------|
| 616H20=20X5 | 5 m | 20 mm |
| 616H20=40X5 | 5 m | 40 mm |
| 616H20=70X5 | 5 m | 70 mm |
| 616H20=100X5 | 5 m | 100 mm |
| 616H20=150X5 | 5 m | 150 mm |

i Practical recommendation 616H20

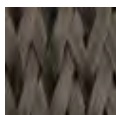
If the laminate is to have radial strength (torsional forces), additional reinforcement materials are required. In this case we recommend using our 616G15 carbon fibre woven stockinette.



Carbon fibre woven stockinette

Reference number 616G15

- For fabricating rigid lamination resin side struts, clasps and connectors
- For fabricating thin-walled, high-strength laminates
- Netting
- Very high torsional strength in laminates
- Torsion can be influenced by different circumferences (ideal angle: 45°)



Technical data

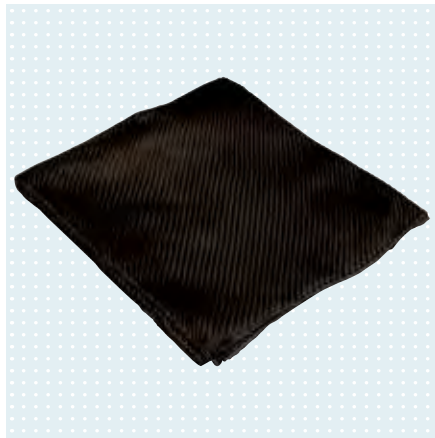
| Article number | Length | Width |
|----------------|--------|--------|
| 616G15=20X5 | 5 m | 20 mm |
| 616G15=20X10 | 10 m | 20 mm |
| 616G15=20X25 | 25 m | 20 mm |
| 616G15=20X50 | 50 m | 20 mm |
| 616G15=50X5 | 5 m | 50 mm |
| 616G15=50X10 | 10 m | 50 mm |
| 616G15=50X25 | 25 m | 50 mm |
| 616G15=50X50 | 50 m | 50 mm |
| 616G15=80X5 | 5 m | 80 mm |
| 616G15=80X10 | 10 m | 80 mm |
| 616G15=80X25 | 25 m | 80 mm |
| 616G15=80X50 | 50 m | 80 mm |
| 616G15=120X5 | 5 m | 120 mm |
| 616G15=120X10 | 10 m | 120 mm |
| 616G15=120X25 | 25 m | 120 mm |
| 616G15=120X50 | 50 m | 120 mm |

i Practical recommendation 616G15

Facilitates excellent sandwich properties in conjunction with 17Y106 PVC profile as the core material, especially in prosthetics.

Materials, tools and accessories

Materials – Carbon and fibreglass materials



Woven carbon fibre

Reference number 616G12

- For partial high-strength laminate reinforcements
- Good absorption of all Ottobock lamination resins
- Good draping characteristics



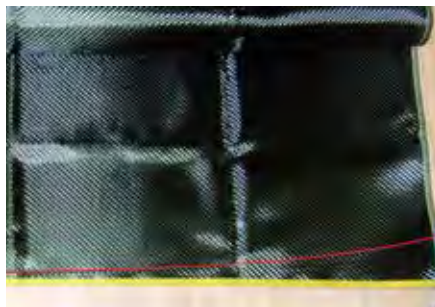
Information material

647G51 616G12 woven carbon fibre processing instructions

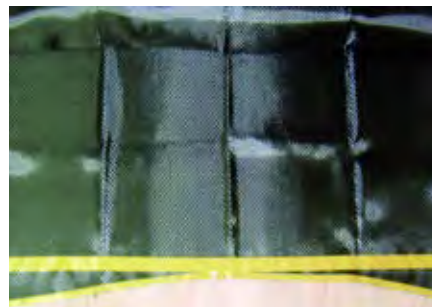
Technical data

| Article number | Length | Width | Weight per unit area | Weave type |
|----------------|--------|---------|----------------------|------------|
| 616G12=1 | 1 m | 1200 mm | 200 g/m ² | Twill 2/2 |
| 616G12=2 | 2 m | 1200 mm | 200 g/m ² | Twill 2/2 |
| 616G12=5 | 5 m | 1200 mm | 200 g/m ² | Twill 2/2 |
| 616G12=10 | 10 m | 1200 mm | 200 g/m ² | Twill 2/2 |
| 616G12=20 | 20 m | 1200 mm | 200 g/m ² | Twill 2/2 |
| 616G12=30 | 30 m | 1200 mm | 200 g/m ² | Twill 2/2 |

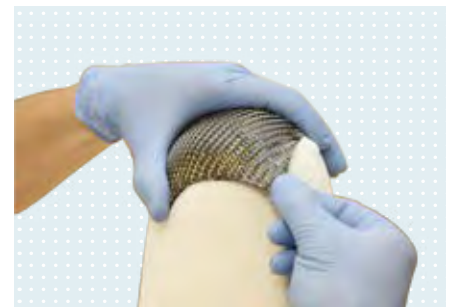
Processing and usage examples for 616G12



Check that the weft thread of the 616G12 woven carbon fibre is running a straight course by pulling out a weft thread running close to the cut edge.

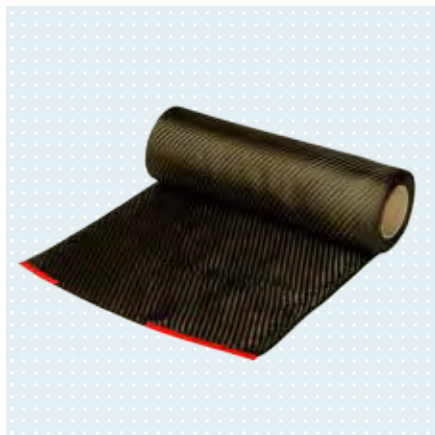


Pull the woven carbon fibre straight to such a degree that the resulting mesh loop runs 90° to the warp. Using 616F10 double-sided PVC adhesive tape, tape over the resulting mesh loop and cut the woven carbon fibre centrally along the adhesive tape. After these preparations have been completed, tailored carbon fibre sections can be made that have a 90° alignment between the warp and the weft. In this way the carbon fibres are not only aligned in accordance with the arising forces, they can also absorb these optimally.



Position the tailored carbon fibre sections on those parts of the reinforcements that are to be strengthened while pre-tensioning them in the fibre directions.

All Ottobock reinforcement materials are photographed from top to bottom. Lengthwise (warp), crosswise (weft)



Woven carbon fibre

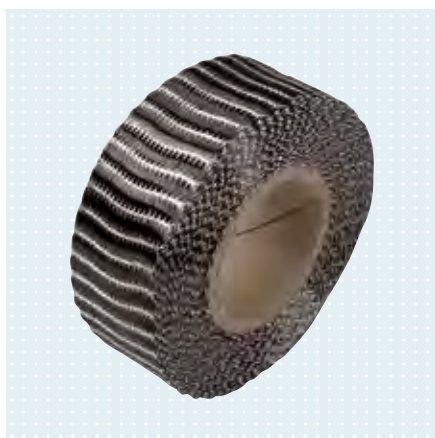
Reference number 616G12

- For partial high-strength laminate reinforcements
- Processability including the woven edge is advantageous (edges are not sewn), because masking is not necessary
- Good absorption of all Ottobock lamination resins
- Good draping characteristics



Technical data

| Article number | Length | Width | Weight per unit area | Weave type |
|----------------|--------|--------|----------------------|------------|
| 616G12=50X1 | 1 m | 50 mm | 245 g/m ² | Twill 2/2 |
| 616G12=50X5 | 2 m | 50 mm | 245 g/m ² | Twill 2/2 |
| 616G12=50X10 | 10 m | 50 mm | 245 g/m ² | Twill 2/2 |
| 616G12=100X1 | 1 m | 100 mm | 245 g/m ² | Twill 2/2 |
| 616G12=100X5 | 2 m | 100 mm | 245 g/m ² | Twill 2/2 |
| 616G12=100X10 | 10 m | 100 mm | 245 g/m ² | Twill 2/2 |
| 616G12=300X1 | 1 m | 300 mm | 245 g/m ² | Twill 2/2 |
| 616G12=300X5 | 2 m | 300 mm | 245 g/m ² | Twill 2/2 |
| 616G12=300X10 | 10 m | 300 mm | 245 g/m ² | Twill 2/2 |



Carbon fibreglass webbing

Reference number 616H11

- For partial high-strength, unidirectional laminate reinforcements
- Combines the properties of carbon fibres in longitudinal direction and glass fibres in transverse direction
- Easy to shape thanks to glass weft thread
- Good draping characteristics
- Not suitable for surfaces



Technical data

| Article number | Length | Width | Weight per unit area | Weave type |
|----------------|--------|-------|----------------------|-------------|
| 616H11=25X5 | 2 m | 25 mm | 410 g/m ² | Plain weave |
| 616H11=25X10 | 10 m | 25 mm | 410 g/m ² | Plain weave |
| 616H11=25X20 | 20 m | 25 mm | 410 g/m ² | Plain weave |
| 616H11=25X50 | 50 m | 25 mm | 410 g/m ² | Plain weave |
| 616H11=50X5 | 2 m | 50 mm | 410 g/m ² | Plain weave |
| 616H11=50X10 | 10 m | 50 mm | 410 g/m ² | Plain weave |
| 616H11=50X20 | 20 m | 50 mm | 410 g/m ² | Plain weave |
| 616H11=50X50 | 50 m | 50 mm | 410 g/m ² | Plain weave |

Materials, tools and accessories

Materials – Carbon and fibreglass materials



PVC profile bars

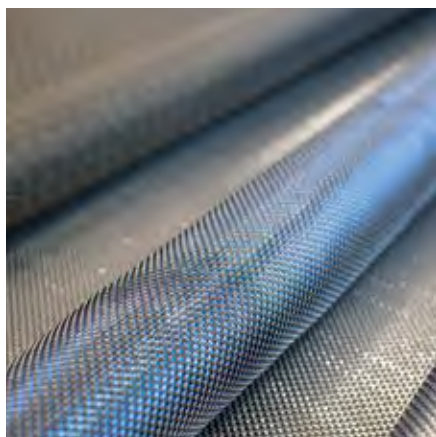
Reference number 17Y106

- As profile material in carbon fibre technique, especially in orthotics and for frame sockets in prosthetics
- Lightweight
- Easy to work with
- Thermoformable at 80 °C

Technical data

| Article number | Length | Width | Quantity unit |
|----------------|---------|-------|---------------|
| 17Y106=500X16 | 500 mm | 16 mm | Piece |
| 17Y106=500X20 | 500 mm | 20 mm | Piece |
| 17Y106=1000X16 | 1000 mm | 16 mm | Piece |
| 17Y106=1000X20 | 1000 mm | 20 mm | Piece |

All Ottobock reinforcement materials are photographed from top to bottom. Lengthwise (warp), crosswise (weft)

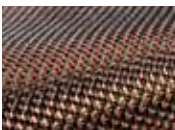
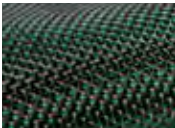
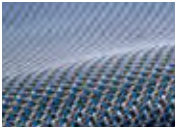
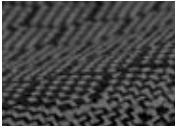
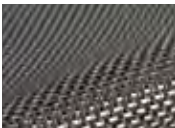


CarbonTEX PRO – woven carbon fibre

Reference number 616G128

- For custom colouring with lamination technique
- Excellent draping and sanding characteristics
- Glossy look thanks to metallised woven carbon fibre
- Good absorption of all Ottobock lamination resins
- Conventional lamination process
- No additional technical knowledge or workshop facilities required
- Extensive choice of designs

Technical data

| Article image | Article number | Length | Width | Colour |
|---|----------------|--------|-------|---------------|
|  | 616G128=3-2 | 3 m | 1 m | Light red |
|  | 616G128=3-3 | 3 m | 1 m | Green |
|  | 616G128=3-5 | 3 m | 1 m | Blue |
|  | 616G128=3-7 | 3 m | 1 m | Hexagon black |
|  | 616G128=3-16 | 3 m | 1 m | Silver |

Information material

| | |
|-----------------|-------------------------------------|
| 646D1467=EN_INT | 616G128 CarbonTEX PRO product brief |
| 646M80 | 616G128 CarbonTEX PRO sample swatch |
| 646D696=EN | Finishing product information |



Practical recommendation 616G128

- Can be used with acrylic, vinyl, epoxy and polyester resin systems.
- Suitable for decorative purposes but not as a structural laminate component.
- Laminate without colour paste to prevent distortion of the colour result.
- Directly after cutting to size/sanding the socket, apply a transparent acrylic coating to the proximal edge. We recommend applying at least two layers and using wet/dry fine sandpaper between the layers. This approach is particularly well suited for sealing the upper socket brim. The external appearance of the upgraded socket is also optimised as a result.

Materials, tools and accessories

Finishing

Processing and usage examples for 616G128



641H17 chemical protection gloves, protective goggles and a breathing mask should be worn for occupational safety reasons. Perform all process steps under an extractor hood.

Sand the surface of the socket to be laminated, clean with 634A58 isopropyl alcohol and mark the position of the subsequent CarbonTEX PRO seam on the socket with a pencil.

Measure the socket length and circumference. Cut a corresponding piece of CarbonTEX PRO with a width and length that is 10 cm larger than the respective measurement. To prevent the fibres from fraying, tape off the outside of the cut edge. Apply 636K40 removable spray adhesive to the socket, starting on the side opposite the marked CarbonTEX PRO seam. Then continue wetting the socket gradually, applying the layer of CarbonTEX PRO around the socket without wrinkles and pressing it into place in the direction of the seam.



Attach one end of the layer of CarbonTEX PRO to the previously marked seam with 616F10=6 double-sided PVC adhesive tape and trim the excess material with the 719S21 carbon scissors. Then press any protruding fibres in place again. Repeat this procedure on the opposite side. To do so, apply a new strip of PVC adhesive tape to the cut edge of the CarbonTEX PRO side. Overlap and attach the second end of the layer of CarbonTEX PRO, trim the excess material and press any protruding fibres in place.

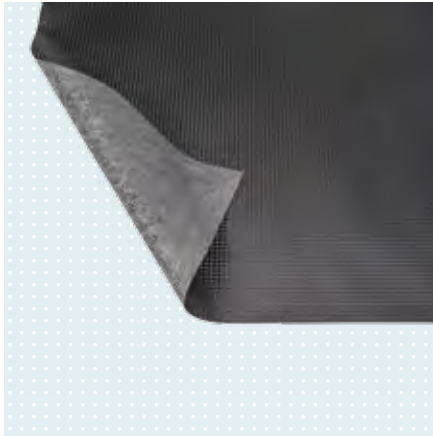


Use paper towels to clean the soaked 616F4 PVA bag on both sides and pull it over the model with the desired side (matte or gloss) facing outward. Tie off the PVA bag on the proximal end. Tie off temporarily in the distal region and create a vacuum.

Mix the desired quantity of 617H119 Orthocryl lamination resin 80:20 PRO, without adding colour paste, with 2% hardener and fill into the PVA bag. Then tie off above the resin filling, without any air inclusions.

Align the model as shown in Fig. 3. Undo the temporary tie in the distal area between the resin and socket, and extract rising air bubbles with the vacuum. Then laminate the socket, with an even penetration of resin running at a 90° angle to the socket axis.

After hardening, cut the socket and sand it down.



Carbon synthetic leather

Reference number 621X9

- Cover for orthoses, prostheses, wheelchairs and closures
- As an underlay for insoles
- 50% polyurethane, 50% polyamide
- High abrasion resistance
- Resistant to tearing
- Colour-fast
- Light-fast
- Suitable for cutting
- Suitable for punching
- Easy to sand
- Clean cut edges without fraying
- Well suited for bonding
- Can be thermoformed at 90–120 °C
- Minimal shrinkage

Technical data

| Article number | Length | Width | Colour |
|----------------|--------|--------|--------|
| 621X9=1-7 | 1 m | 1.46 m | Black |
| 621X9=10-7 | 10 m | 1.46 m | Black |



Practical recommendation 621X9

- Prepare a template using 616F1 PVC film.
- Transfer the shape to 621X9 carbon synthetic leather. In doing so, make sure the carbon pattern is consistently aligned to obtain a uniform overall appearance and to conceal joints.
- Use 636N9 contact adhesive for fixing. The surfaces to be glued must be dry and free of dust, oil and grease.
- For better draping characteristics, warm 621X9 carbon synthetic leather slightly with hot air.

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