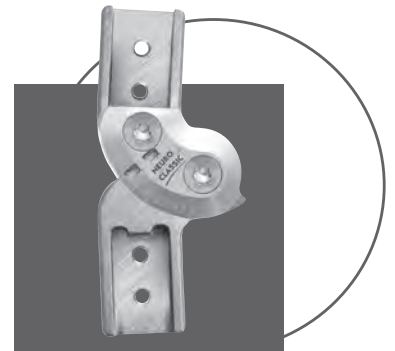


Product Catalogue

System Joints and Articulated System Side Bars

Valid from May 2017



Dear Customer,

We are pleased to present our new catalogue to you. It includes all products for the production of custom-made orthoses for patients with paralyses in order to facilitate walking and standing for patients in daily life. What has changed? Which products are new? In the following, we would like to give you a short overview:

Range of system ankle joints

The product range will be reduced: In the medium term, the joint version STANDARD will be removed from our sales range. The system components' load capacity is generally higher at the joint version REINFORCED so that - depending on the patient data - the orthosis can often be produced unilateral instead of bilateral, as was the case up to now. Furthermore, it is possible to select a smaller system width in the joint version REINFORCED compared to STANDARD. The system ankle joints STANDARD will still be available for a transitional period in the Orthosis Configurator and the webshop. In this catalogue, they are not listed anymore.

System knee joints in 5° flexion

Since 1 May 2017, the system knee joints are delivered in a knee flexion position of 5°. This is based on the fact that a slight flexion of the knee joint is closer to a physiological leg position. At a physiological gait, the knee angle is equal to 5° or larger in all gait phases. In the gait phase mid stance, which is important for people wearing orthoses, the knee flexion angle according to Perry¹ [p. 70ff., 92ff.] is exactly 5°. When making the negative cast with the digital casting aid e-Cast, special attention is paid to creating a position as physiological as possible in mid stance. This clearly showed that a physiological normal posture with a 5° knee flexion angle is the new optimum for the patient with regard to a better physiological gait.

NEURO CLASSIC system knee joint

Another system knee joint completes the series of free moving system knee joints: The NEURO CLASSIC is the right choice when no exchangeable extension stops, but an integrated posterior offset is needed. It comes with a damped extension stop.



For the combination of system components for an individual orthosis based on patient data, we recommend the Orthosis Configurator. As customer of our company you also have the possibility to order all products via our webshop <http://webshop.fior-gentz.de>.

We wish you continued success in treating your patients and look forward to further develop our good cooperation!

With best regards from Lüneburg,
Your FIOR & GENTZ team

All our products meet our high standard of quality. This quality standard has been controlled and certified by an independent certification organisation according to the international standards ISO 9001 and ISO 13485.



Catalogue cover

KAFO with NEURO TRONIC system knee joint and NEURO SWING system ankle joint

Small images, top down: NEURO FLEX MAX, NEURO CLASSIC knee, NEURO SWING

¹Perry J, Burnfield JM (2010): Gait Analysis – Normal and Pathological Function, 2nd edition. Thorofare: Slack.

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Distributors in Foreign Countries

In order to provide you with up to date contact details of our distributors in foreign countries, we have listed all our current distributors online at: www.fior-gentz.de/kontakt/export

Benelux



Luc Schols
Dutch/English/French

If you are a customer from Benelux, please contact Luc Schols as Area Manager Benelux directly by calling +49 151 40259231.

Inhouse Customer Service



Michael Krüger
English



Anna-Lena Kühn
English/French



Ana María von Corvin
English/Spanish

For any questions, orders or customer data changes just call +49 4131 24445-0. We are available on workdays from 8:00am to 5:00pm (Central European Time). If you place your order by 4.15pm, we will dispatch the goods on that same day. Express deliveries on Saturday are also possible.

Technical Support



David Böhle
B. Eng. Technical orthopaedics



Henrik Duffert
Orthopaedic technician



Almut Dünnwald
B.Eng. Technical orthopaedics



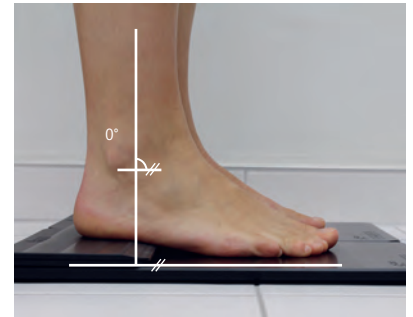
Sebastian Leinhäuser
Master orthopaedic technician

Do you need technical support when choosing the system components for your individual orthosis? Do you have questions concerning our system joints, materials, tools or a configuration? No problem! We offer technical support by phone on workdays from 8:00am to 5:00pm (Central European Time) from our premises in Lüneburg where you could also be extensively supported during our workshops.

Medical Patient History and Orthotic Treatment Sheet

While doing the medical patient history, you can use the orthotic treatment sheet to enter the collected patient data. You will find more information about our medical patient history in the online tutorials at www.fior-gentz.com

With a completed orthotic treatment sheet you have all patient data at hand you need for using the Orthosis Configurator. Furthermore, a completed orthotic treatment sheet is the optimal basis for a consultation with our technical support.



Orthotic Treatment Sheet for Paralysis (PR9050-GB)

Orthotic Treatment Sheet 03/2017
AFO/KAFO according to the N.A.F.-Foot Classification

Technician: _____ Company: _____

Customer number: _____ Date: _____

PATIENT DATA

Patient Name: [] [] [] [] [] [] [] [] [] [] Year of Birth: [] [] [] [] [] [] [] [] [] [] Body Weight: [] [] [] [] [] [] [] [] [] [] kg Leg: Left leg Right leg

Sex: f m Body Height: [] [] [] [] [] [] [] [] [] [] cm Please use two orthotic treatment sheets if the following points are different for both legs.

Ap Measurement (For the Mechanical Knee Pivot Point of a KAFO or KO)

Indication: _____

For the treatment of cerebral palsy and paraplegia patients, please use the orthotic treatment sheet provided.

Shoe Measurements

Shoe size (continental European system) [] [] [] [] [] [] [] [] [] []

Sole thickness (B) [] [] [] [] [] [] [] [] [] [] mm

Heel-to-heel drop (x = A - B) [] [] [] [] [] [] [] [] [] [] mm

Height compensation (C) [] [] [] [] [] [] [] [] [] [] mm

Varus Position Maximum Corrected

Valgus Position Maximum Corrected

Hyperextension Maximum Corrected

Maximum Extension Hip Knee

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www.orthosis-configurator.com

Orthotic Treatment Sheet for Cerebral Palsy (PR9051-GB)

Orthotic Treatment Sheet (for Cerebral Palsy Patients) 03/2017
AFO according to the Amsterdam Gait Classification

Technician: _____ Company: _____

Customer number: _____ Date: _____

PATIENT DATA

Patient Name: [] [] [] [] [] [] [] [] [] [] Year of Birth: [] [] [] [] [] [] [] [] [] [] Body Weight: [] [] [] [] [] [] [] [] [] [] kg Leg: Left leg Right leg

Sex: f m Body Height: [] [] [] [] [] [] [] [] [] [] cm Please use two orthotic treatment sheets if the following points are different for both legs.

Shoe Measurements

Shoe size (continental European system) [] [] [] [] [] [] [] [] [] []

Sole thickness (B) [] [] [] [] [] [] [] [] [] [] mm

Heel-to-heel drop (x = A - B) [] [] [] [] [] [] [] [] [] [] mm

Height compensation (C) [] [] [] [] [] [] [] [] [] [] mm

Activity Level

1. Indoor walker
The patient has the ability or the potential to walk independently in the home with or without an external device or low walking speed. Additionally, the patient can perform professional, therapeutic and other activities which do not apply to about average mechanical load on the orthosis.

2. Restricted outdoor walker
The patient has the ability or the potential to move with an orthosis in low walking speed and is able to overcome small environmental obstacles such as curbs, single steps or uneven surfaces.

3. Unrestricted outdoor walker
The patient has the ability or the potential to move at medium to high and also varying speed and to overcome most environmental demands. Additionally, the patient can walk on uneven terrain and perform professional, therapeutic and other activities which do not apply to about average mechanical load on the orthosis.

4. Unrestricted outdoor walker with especially high demands
The patient has the ability or the potential to move with an orthosis like the unrestricted outdoor walker. Additionally, the increased functional demands are: generally high impact loads, terrain and/or distribution on the orthosis. These patients are usually athletes and children.

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www.orthosis-configurator.com

Orthotic Treatment Sheet for Apoplexy (PR9053-GB)

Orthotic Treatment Sheet (for Apoplexy Patients) 03/2017
AFO/KAFO according to the N.A.F.-Foot Classification

Technician: _____ Company: _____

Customer number: _____ Date: _____

PATIENT DATA

Patient Name: [] [] [] [] [] [] [] [] [] [] Year of Birth: [] [] [] [] [] [] [] [] [] [] Body Weight: [] [] [] [] [] [] [] [] [] [] kg Leg: Left leg Right leg

Sex: f m Body Height: [] [] [] [] [] [] [] [] [] [] cm Please use two orthotic treatment sheets if the following points are different for both legs.

Ap Measurement (For the Mechanical Knee Pivot Point of a KAFO)

Indication: _____

Shoe Measurements

Shoe size (continental European system) [] [] [] [] [] [] [] [] [] []

Sole thickness (B) [] [] [] [] [] [] [] [] [] [] mm

Heel-to-heel drop (x = A - B) [] [] [] [] [] [] [] [] [] [] mm

Height compensation (C) [] [] [] [] [] [] [] [] [] [] mm

Activity Level

1. Indoor walker
The patient has the ability or the potential to make transfers and to move with an orthosis on even surfaces at low walking speed. Additionally, the patient can walk on uneven terrain and perform professional, therapeutic and other activities which do not apply to about average mechanical load on the orthosis.

2. Restricted outdoor walker
The patient has the ability or the potential to move with an orthosis in low walking speed and is able to overcome small environmental obstacles such as curbs, single steps or uneven surfaces.

3. Unrestricted outdoor walker
The patient has the ability or the potential to move at medium to high and also varying speed and to overcome most environmental demands. Additionally, the patient can walk on uneven terrain and perform professional, therapeutic and other activities which do not apply to about average mechanical load on the orthosis.

4. Unrestricted outdoor walker with high demands
The patient has the ability or the potential to move with an orthosis like the unrestricted outdoor walker. Additionally, the increased functional demands are: generally high impact loads, terrain and/or distribution on the orthosis. These patients are usually athletes and children.

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www.orthosis-configurator.com

Our current orthotic treatment sheets are inserted in this catalogue. You can also download them in the download area at www.fior-gentz.com or order them with the correspondent article number.

Orthosis Configurator

Use our Orthosis Configurator on the internet to select all system components as well as the appropriate accessory parts, tools and materials for your individual orthosis based on the entered data and specifically adapted to your patient.

Your advantage: When using the Orthosis Configurator, we assume a **10-year fracture warranty** for **system joints or articulated system side bars**. For details and conditions read our General Terms and Conditions of Business Transactions that you find in our latest price list.



Do you have any questions concerning a configuration? Then, call our technical support or customer service for consultation.

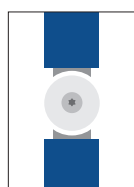
Orthosis Production



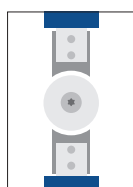
On the internet at www.fior-gentz.com you will find different online tutorials concerning orthosis production. Besides the medical patient history and information for planning the orthosis, there is also an area regarding the model technique. Among others, it contains a detailed description for making the negative cast by using special, digital tools for measurable and controllable precision (from catalogue page G1) as well as for making the positive cast. Moreover, there is another area about producing the orthosis which leads to our production techniques with the high quality FIOR & GENTZ system joints. Finally, you will also find information on handing over the orthosis as well as a practical checklist.

Our system joints and articulated system side bars can be mounted into the orthosis according to different production techniques. When using the Orthosis Configurator, an appropriate production technique for your planned orthosis will be suggested automatically. The production technique is chosen on basis of the entered patient data and the selected orthosis data.

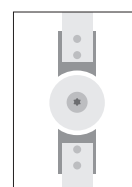
We distinguish between three production techniques:



Joint Lamination/
Prepreg Technique



Anchor Lamination/
Prepreg Technique



Strong
Light Technique

You will find further information concerning our production techniques on catalogue page F2, in our manuals, on our orthotic treatment sheets, in the Orthosis Configurator and on the internet in the online tutorials at www.fior-gentz.com

Our Workshops

Furthermore, you have the possibility to get to know more about our production techniques by taking part in a workshop at our premises in Lüneburg.

Since March 2015, we provide a variety of workshops in our technology centre, demonstrating the production of advanced AFOs and KAFOs. During these workshops, you are guided by our experienced orthopaedic technicians who offer not only practical know-how - e.g. about making a negative cast with e-Cast, modifying the positive cast or our reinforcement techniques - but also detailed theoretical knowledge, for example about the basic alignment of orthoses or medical patient history.

Since 2017, we also offer a basics workshop where this theoretical knowledge all around the orthosis production with system is shown step by step in detail. More complex steps are complemented by practical exercises.

You will find more information about our workshops on the internet at www.fior-gentz.com

There, you gain an overview of all currently available workshops, dates and topics. Furthermore, you can download the latest workshop brochure or directly register for a workshop of your choice.



We would be happy to welcome you soon at one of our workshops in Lüneburg!



System Ankle Joints without Foot Lifter

NEURO CLASSIC



- **Dorsiflexion stop:** free moving by filing or static and fileable
- **Plantar flexion stop:** free moving by filing or static and fileable
- **Springs:** none
- **Combination possibilities:** as medial support combinable with various system ankle joints
- **Converting options:** convertible to system ankle joints with the same upper part by exchanging system stirrup and cover plate

See catalogue page A10.1

NEURO VARIO-CLASSIC



- **Dorsiflexion stop:** static, fileable and adjustable
- **Plantar flexion stop:** free moving
- **Springs:** none
- **Combination possibilities:** as medial support combinable with the NEURO VARIO-SPRING
- **Converting options:** convertible to the NEURO VARIO-SPRING by exchanging the cover plate

See catalogue page A20.1

NEURO VARIO



- **Dorsiflexion stop:** static, fileable and adjustable
- **Plantar flexion stop:** static, fileable and adjustable
- **Springs:** none
- **Combination possibilities:** as medial support combinable with the NEURO VARIO-SPRING
- **Converting options:** none

See catalogue page A30.1

NEURO SWING-CLASSIC



- **Dorsiflexion stop:** dynamic, adjustable
- **Plantar flexion stop:** free moving by filing or static and fileable
- **Springs:** one exchangeable spring unit, range of spring limitable
- **Combination possibilities:** the NEURO CLASSIC can be used as medial support with the system stirrup of the NEURO SWING-CLASSIC
- **Converting options:** convertible to the NEURO CLASSIC by exchanging the cover plate and the NEURO SWING by filing the system stirrup and exchanging the cover plate

See catalogue page A40.1



NEURO SPRING



- **Dorsiflexion stop:** free moving by filing or static and fileable
- **Plantar flexion stop:** none
- **Springs:** one spring
- **Combination possibilities:** the NEURO CLASSIC can be used as medial support with the system stirrup of the NEURO SPRING
- **Converting options:** convertible to the NEURO CLASSIC by exchanging the cover plate and the NEURO CLASSIC-SWING by filing the system stirrup and exchanging the cover plate

See catalogue page B10.1

NEURO CLASSIC-SWING



- **Dorsiflexion stop:** free moving by filing or static and fileable
- **Plantar flexion stop:** dynamic, adjustable
- **Springs:** one exchangeable spring unit, range of spring limitable
- **Combination possibilities:** the NEURO CLASSIC can be used as medial support with the system stirrup of the NEURO CLASSIC-SWING
- **Converting options:** convertible to the NEURO CLASSIC by exchanging the cover plate and the NEURO SWING by filing the system stirrup and exchanging the cover plate

See catalogue page B20.1

NEURO VARIO-SPRING



- **Dorsiflexion stop:** static, fileable and adjustable
- **Plantar flexion stop:** free moving
- **Springs:** one spring
- **Combination possibilities:** the NEURO VARIO-CLASSIC and the NEURO VARIO can be used as medial support
- **Converting options:** convertible to the NEURO VARIO-CLASSIC by exchanging the cover plate

See catalogue page B30.1

NEURO SWING



- **Dorsiflexion stop:** dynamic, adjustable
- **Plantar flexion stop:** dynamic, adjustable
- **Springs:** two exchangeable spring units, range of spring limitable
- **Combination possibilities:** the NEURO CLASSIC can be used as medial support with the system stirrup of the NEURO SWING
- **Converting options:** convertible to the NEURO CLASSIC by exchanging the cover plate

See catalogue page B40.1

NEURO SWING H₂O



- **Dorsiflexion stop:** dynamic, adjustable
- **Plantar flexion stop:** dynamic, adjustable
- **Springs:** two exchangeable spring units, range of spring limitable
- **Combination possibilities:** none
- **Converting options:** none

See catalogue page B50.1



Free Moving System Knee Joints and Articulated System Side Bars

NEURO CLASSIC
zero



- Extension stop: damped
- Flexion stop: none
- Combination possibilities: none
- Converting options: none

See catalogue page C10.1

NEURO VAR:O
zero



- Extension stop: damped, adjustable
- Flexion stop: none
- Combination possibilities: none
- Converting options: none

See catalogue page C20.1

NEURO CLASSIC



- Extension stop: damped
- Flexion stop: none
- Combination possibilities: none
- Converting options: none

See catalogue page C30.1

NEURO VAR:O



- Extension stop: damped, adjustable
- Flexion stop: none
- Combination possibilities: none
- Converting options: none

See catalogue page C40.1

NEURO ACTIVE



- Extension stop: adjustable
- Flexion stop: none, adjustable
- Combination possibilities: none
- Converting options: none

See catalogue page C50.1

NEURO ACTIVE



- Extension stop: adjustable
- Flexion stop: none, adjustable
- Combination possibilities: none
- Converting options: none

See catalogue page C60.1



Automatic System Knee Joints

NEURO MATIC



- Extension stop: damped, adjustable
- Flexion stop: free
- Lock function: automatically locking, permanently lockable
- Combination possibilities: the NEURO VARIO can be used as medial support
- Converting options: convertible to the NEURO TRONIC by exchanging the cover plate and further corresponding components

See catalogue page D10.1

NEURO TRONIC



- Extension stop: damped, adjustable
- Flexion stop: free
- Lock function: automatically locking, permanently lockable
- Combination possibilities: the NEURO VARIO can be used as medial support
- Converting options: convertible to the NEURO MATIC by exchanging the cover plate and further corresponding components

See catalogue page D20.1



Locked System Knee Joints

NEURO LOCK



- Extension stop: adjustable
- Flexion stop: free
- Lock function: permanently lockable, in different flexed positions
- Combination possibilities: the NEURO VARIO can be used as medial support
- Converting options: none

See catalogue page E10.1

NEURO LOCK MAX



- Extension stop: adjustable
- Flexion stop: free
- Lock function: permanently lockable, in different flexed positions
- Combination possibilities: the NEURO VARIO can be used as medial support
- Converting options: none

See catalogue page E20.1

NEURO FLEX MAX



- Extension stop: adjustable
- Flexion stop: free
- Lock function: permanently lockable, in different flexed positions
- Combination possibilities: the NEURO VARIO can be used as medial support
- Converting options: none

See catalogue page E30.1

All our system knee joints are now delivered in a physiological flexion of 5°!

NEURO CLASSIC



Product Information

- ➔ Joint to control and support the motion
- ➔ The range of motion in plantar flexion and dorsiflexion can be adjusted by filing the system stirrups.

Alternative application due to a special system stirrup:

- ➔ The NEURO CLASSIC can be used together with the Borggreve stirrup for producing ortho-protheses using the Borggreve rotationplasty.

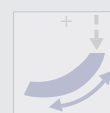
Further Sources of Information

Source of information	Article number	Link
Manual	PB1000-SF	www.fior-gentz.com
Production techniques	-	

System Ankle Joint Function



without
foot lifter



with
foot lifter



NEURO CLASSIC

NEURO VARIO-CLASSIC

NEURO VARIO

NEURO SWING-CLASSIC



10mm



12mm



14mm



16mm



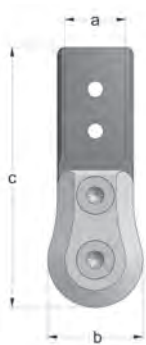
20mm

Joint Dimensions [mm]

Dimension	Description	System width a				
		10mm	12mm	14mm	16mm	20mm
b	Joint head width	13.0	16.6	22.0	25.0	28.0
c	Joint height	40.0	50.3	62.5	68.5	74.0
	Joint head thickness	7.8	9.1	10.3	11.5	12.0

Joint Weights [g]

Material	Unit	System width				
		10mm	12mm	14mm	16mm	20mm
Steel	Piece	15	28	43	60	85
Titanium	Piece	-	19	30	41	56



The NEURO CLASSIC system ankle joint is delivered with the following articles:

- AGOMET F330, 5g
- Orthosis joint grease, 3g
- Assembly/lamination dummy

➔ System stirrups and system side bars/anchors have to be ordered separately.
 You will find system stirrups on catalogue page A10.8.
 You will find system side bars/anchors on catalogue page F1ff.



Straight
Fig. 1



Bent inwards
Fig. 2



Bent outwards
Fig. 3

Straight (fig. 1)

Material	Leg	Unit	Article number for system width				
			10mm	12mm	14mm	16mm	20mm
Steel	Left or right	Piece	SF1200-ST/LR	SF1201-ST/LR	SF1202-ST/LR	SF1203-ST/LR	SF1205-ST/LR
Titanium	Left or right	Piece	-	SF1201-TI/LR	SF1202-TI/LR	SF1203-TI/LR	SF1205-TI/LR

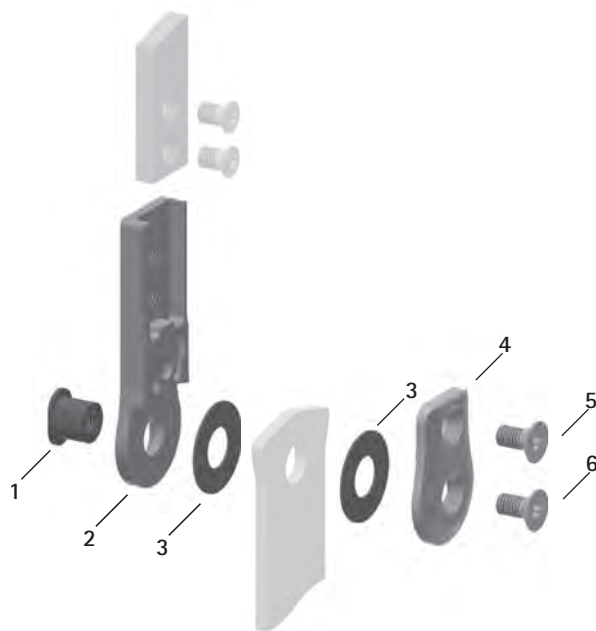
Bent Inwards (fig. 2)

Material	Leg	Unit	Article number for system width				
			10mm	12mm	14mm	16mm	20mm
Steel	Left or right	Piece	SF1220-ST/LR	SF1221-ST/LR	SF1222-ST/LR	SF1223-ST/LR	SF1225-ST/LR
Titanium	Left or right	Piece	-	SF1221-TI/LR	SF1222-TI/LR	SF1223-TI/LR	SF1225-TI/LR

Bent Outwards (fig. 3)

Material	Leg	Unit	Article number for system width				
			10mm	12mm	14mm	16mm	20mm
Steel	Left or right	Piece	SF1240-ST/LR	SF1241-ST/LR	SF1242-ST/LR	SF1243-ST/LR	SF1245-ST/LR
Titanium	Left or right	Piece	-	SF1241-TI/LR	SF1242-TI/LR	SF1243-TI/LR	SF1245-TI/LR

Spare Parts



Spare Parts						
Item	Article number for system width					Description
	10mm	12mm	14mm	16mm	20mm	
1	SB6039-L0480	SB7049-L0540	SB8559-L0580	SB9669-L0710	SB1069-L0760	Bearing nuts
2	SF0310-ST	SF0311-ST	SF0312-ST	SF0313-ST	SF0315-ST	Upper part, straight, steel
2	-	SF0311-TI	SF0312-TI	SF0313-TI	SF0315-TI	Upper part, straight, titanium
2	SF0330-ST	SF0331-ST	SF0332-ST	SF0333-ST	SF0335-ST	Upper part, bent inwards, steel
2	-	SF0331-TI	SF0332-TI	SF0333-TI	SF0335-TI	Upper part, bent inwards, titanium
2	SF0330-8/ST	SF0331-8/ST	SF0332-8/ST	SF0333-8/ST	SF0335-8/ST	Upper part, bent outwards, steel
2	-	SF0331-8/TI	SF0332-8/TI	SF0333-8/TI	SF0335-8/TI	Upper part, bent outwards, titanium
3	GS1206-*	GS1407-*	GS2009-*	GS2210-*	GS2611-*	Sliding washer*
4	SF0160-AL	SF0161-AL	SF0162-AL	SF0163-AL	SF0165-AL	Cover plate
5	SC1403-L08	SC1404-L08	SC1405-L10	SC1405-L11	SC1405-L11	Countersunk flat head screw, hexalobular socket
6	SC1403-L08	SC1404-L08	SC1405-L10	SC1405-L11	SC1406-L11	Countersunk flat head screw, hexalobular socket (axle screw)

* Sliding Washers					
Article number for system width					
10mm	12mm	14mm	16mm	20mm	
Ø = 12mm	Ø = 14mm	Ø = 20mm	Ø = 22mm	Ø = 26mm	
GS1206-040	GS1407-040	GS2009-040	GS2210-040	GS2611-040	
GS1206-045	GS1407-045	GS2009-045	GS2210-045	GS2611-045	
GS1206-050	GS1407-050	GS2009-050	GS2210-050	GS2611-050	
GS1206-055	GS1407-055	GS2009-055	GS2210-055	GS2611-055	
GS1206-060	GS1407-060	GS2009-060	GS2210-060	GS2611-060	

The last three digits of the article number stand for the thickness of the sliding washer e.g. GS1407-040. The thickness of this sliding washer is 0.40mm. In total, the sliding washers are available in five different thicknesses. The thickness of a sliding washer is indicated by the markings. For example, a sliding washer with two grooves is 0.40mm thick, whereas a sliding washer with one notch is 0.55mm thick.



➔ You will find system side bars and system anchors on catalogue page F1ff.
 You will find system stirrups on catalogue page A10.8.

Accessory Parts
Repair Bushing



Accessory Parts

Item	Article number for system width					Description
	10mm	12mm	14mm	16mm	20mm	
7	BP0706-L020*	BR0807-L020*	BR1009-L025*	BR1110-L030*	BR1211-L030*	Repair bushing*

* You will find special reaming tools on catalogue page G11.



Assembly/Lamination Dummies							
Item	Article number for system width					Description	Unit
	10mm	12mm	14mm	16mm	20mm		
1	SF0910-LR	SF0911-LR	SF0912-LR	SF0913-LR	SF0915-LR	Assembly/lamination dummy (1 dummy with screw)	Piece
1a	SC1403-L08	SC1404-L10	SC1405-L12	SC1405-L12	SC1405-L12	Countersunk flat head screw, hexalobular socket	Piece

- ➔ Assembly/lamination dummies are included in the scope of delivery of the system joints.
- ➔ You will find an overview of our tools on catalogue page G1ff.



Rivet stirrup



Lamination/prepreg stirrup



Thermoformage stirrup



Shoe caliper plate stirrup



Borggreve stirrup***

General Measures of System Stirrups

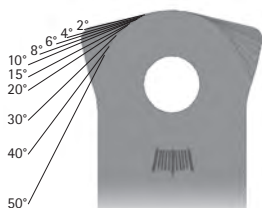
Measure [mm]	System width				
	10mm	12mm	14mm	16mm	20mm
Thickness	2.0	2.0	2.5	3.0	3.0
Neck width	16.0	19.4	23.2*	26.6*	30.8*
Bore hole diameter	6.0	7.0	8.5	9.6	10.5

* Exception: The neck width of the shoe caliper plate stirrup is equivalent to its insertion width.

System Stirrups

Description		Unit	Article number and measures for system width				
			10mm	12mm	14mm	16mm	20mm
Rivet stirrup	Article number	Piece	FB1070-ST/3	FB1071-ST/3	FB1082-ST/4	FB1093-ST/4	FB1095-ST/5
Is riveted to the foot piece	Length** [mm]		105	113	125	145	165
	Weight [g]		31	40	67	106	134
Lamination/prepreg stirrup	Article number	Piece	FB1170-ST/1	FB1171-ST/1	FB1182-ST/1	FB1193-ST/1	FB1195-ST/1
Is embedded into the foot piece when laminating/embedded into prepreg materials	Length** [mm]		31	40	51	59	70
	Weight [g]		10	16	32	52	68
Thermoformage stirrup	Article number	Piece	FB1270-ST/2	FB1271-ST/2	FB1282-ST/3	FB1293-ST/3	FB1295-ST/3
Is embedded into thermoformable plastics; can also be embedded when laminating	Length** [mm]		50	55	62	68	74
	Weight [g]		13	18	32	50	61
Shoe caliper plate stirrup	Article number	Piece	-	-	FB1542-ST/4	FB1553-ST/5	FB1555-ST/6
Is inserted in common shoe caliper plates	Length** [mm]		-	-	145	165	185
	Weight [g]		-	-	57	91	104
	Insertion width [mm]		-	-	19	22	22
Borggreve stirrup***	Article number	Piece	-	FB9071-ST/3	FB9082-ST/4	FB9093-ST/4	FB9095-ST/5
Is used to produce a Borggreve rotationplasty	Length** [mm]		-	113	125	145	165
	Weight [g]		-	42	71	112	143

** from the middle of the bore hole, *** for treating patients with Borggreve rotationplasty (system stirrup geometry designed in collaboration with the Department of Orthopaedics of the Heidelberg University Literature: JanBen E., Design Criteria for Prosthetic Management of Rotation-Arthroplasty, Orthopädie-Technik 11/2002)



- ➔ The system stirrup is marked with lines in the head area which serve as orientation for precisely filing the stirrup to the desired plantar and dorsiflexion stop.
- ➔ The system stirrup is marked with lines in the neck area in order to read the joint angle.

NEURO VARIO-CLASSIC



Product Information

- ➔ Joint to control and support the motion
- ➔ The range of motion in dorsiflexion can be adjusted by filing the system stirrups and additionally by using the adjusting screws (max. 10°).
- ➔ Free moving in plantar flexion
- ➔ Can be used as medial support for the NEURO VARIO-SPRING system ankle joint
- ➔ The NEURO VARIO-CLASSIC system ankle joints offer the following converting possibilities with foot lifter:
 - from NEURO VARIO-CLASSIC to NEURO VARIO-SPRING
 For this, the cover plate of the NEURO VARIO-CLASSIC is replaced by the functional unit of the NEURO VARIO-SPRING. The replacement of these components has no effect on the load capacity of the system ankle joint and the system stirrup.

Further Sources of Information

Source of information	Article number	Link
Manual	PB2000-SH	www.fior-gentz.com
Production techniques	-	

System Ankle Joint Function



without
foot lifter



with
foot lifter



NEURO CLASSIC

NEURO VARIO-CLASSIC

NEURO VARIO

NEURO SWING-CLASSIC



14mm



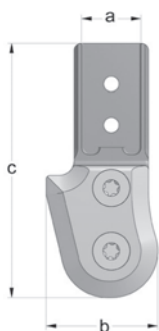
16mm



20mm

Joint Dimensions [mm]		System width a		
Dimension	Description	14mm	16mm	20mm
b	Joint head width	25.0	30.0	34.0
c	Joint height	63.0	69.0	74.0
	Joint head thickness	10.8	11.5	12.5

Joint Weights [g]		System width		
Material	Unit	14mm	16mm	20mm
Steel	Piece	47	69	96
Titanium	Piece	31	47	63



The NEURO VARIO-CLASSIC system ankle joint is delivered with the following articles:

Description
AGOMET F330, 5g
Orthosis joint grease, 3g
Assembly/lamination dummy

➔ System stirrups and system side bars/anchors have to be ordered separately.
 You will find system stirrups on catalogue page A20.8.
 You will find system side bars/anchors on catalogue page F1ff.



Straight
Fig. 1



Bent inwards
Fig. 2



Bent outwards
Fig. 3

Straight (fig. 1)

Material	Leg side	Unit	Article number for system width		
			14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SH2202-L/ST	SH2203-L/ST	SH2205-L/ST
	Left medial or right lateral	Piece	SH2202-R/ST	SH2203-R/ST	SH2205-R/ST
Titanium	Left lateral or right medial	Piece	SH2202-L/TI	SH2203-L/TI	SH2205-L/TI
	Left medial or right lateral	Piece	SH2202-R/TI	SH2203-R/TI	SH2205-R/TI

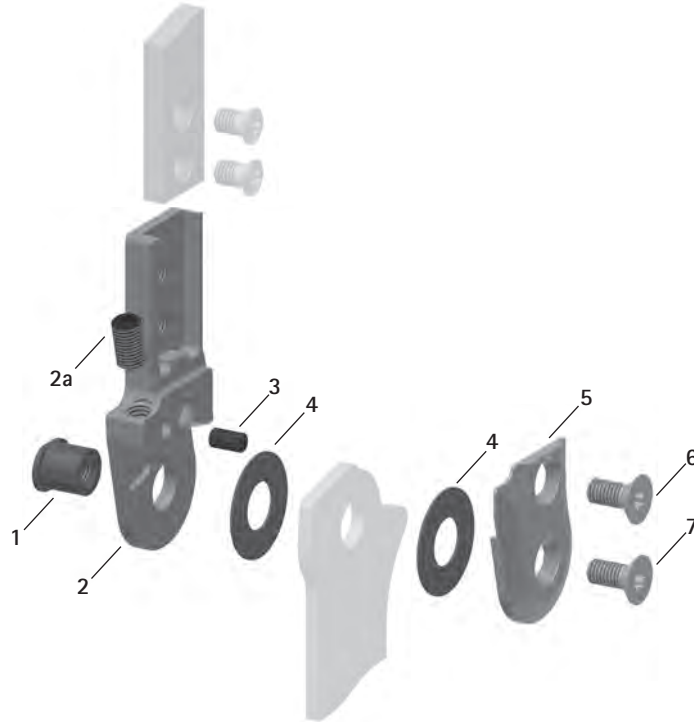
Bent Inwards (fig. 2)

Material	Leg side	Unit	Article number for system width		
			14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SH2222-L/ST	SH2223-L/ST	SH2225-L/ST
	Left medial or right lateral	Piece	SH2222-R/ST	SH2223-R/ST	SH2225-R/ST
Titanium	Left lateral or right medial	Piece	SH2222-L/TI	SH2223-L/TI	SH2225-L/TI
	Left medial or right lateral	Piece	SH2222-R/TI	SH2223-R/TI	SH2225-R/TI

Bent Outwards (fig. 3)

Material	Leg side	Unit	Article number for system width		
			14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SH2242-L/ST	SH2243-L/ST	SH2245-L/ST
	Left medial or right lateral	Piece	SH2242-R/ST	SH2243-R/ST	SH2245-R/ST
Titanium	Left lateral or right medial	Piece	SH2242-L/TI	SH2243-L/TI	SH2245-L/TI
	Left medial or right lateral	Piece	SH2242-R/TI	SH2243-R/TI	SH2245-R/TI

Spare Parts



Spare Parts

Item	Article number for system width			Description
	14mm	16mm	20mm	
1	SB8559-L0620	SB9669-L0760	SB1069-L0810	Bearing nuts
2	SF0412-L/ST	SF0413-L/ST	SF0415-L/ST	Upper part, left lateral or right medial, straight, steel (with adjusting screw)
2	SF0412-R/ST	SF0413-R/ST	SF0415-R/ST	Upper part, left medial or right lateral, straight, steel (with adjusting screw)
2	SF0412-L/TI	SF0413-L/TI	SF0415-L/TI	Upper part, left lateral or right medial, straight, titanium (with adjusting screw)
2	SF0412-R/TI	SF0413-R/TI	SF0415-R/TI	Upper part, left medial or right lateral, straight, titanium (with adjusting screw)
2	SF0432-L/ST	SF0433-L/ST	SF0435-L/ST	Upper part, left lateral or right medial, bent inwards, steel (with adjusting screw)
2	SF0432-R/ST	SF0433-R/ST	SF0435-R/ST	Upper part, left medial or right lateral, bent inwards, steel (with adjusting screw)
2	SF0432-L/TI	SF0433-L/TI	SF0435-L/TI	Upper part, left lateral or right medial, bent inwards, titanium (with adjusting screw)
2	SF0432-R/TI	SF0433-R/TI	SF0435-R/TI	Upper part, left medial or right lateral, bent inwards, titanium (with adjusting screw)
2	SF0432-8L/ST	SF0433-8L/ST	SF0435-8L/ST	Upper part, left lateral or right medial, bent outwards, steel (with adjusting screw)
2	SF0432-8R/ST	SF0433-8R/ST	SF0435-8R/ST	Upper part, left medial or right lateral, bent outwards, steel (with adjusting screw)
2	SF0432-8L/TI	SF0433-8L/TI	SF0435-8L/TI	Upper part, left lateral or right medial, bent outwards, titanium (with adjusting screw)
2	SF0432-8R/TI	SF0433-8R/TI	SF0435-8R/TI	Upper part, left medial or right lateral, bent outwards, titanium (with adjusting screw)
2a	SC9605-L08ST	SC9606-L10ST	SC9606-L10ST	Adjusting screw
3	GS4007	GS4007	GS4007	Securing pin
4	GS2009-*	GS2210-*	GS2611-*	Sliding washer*
5	SH0262-L/AL	SH0263-L/AL	SH0265-L/AL	Cover plate, left lateral or right medial
5	SH0262-R/AL	SH0263-R/AL	SH0265-R/AL	Cover plate, left medial or right lateral
6	SC1405-L10	SC1405-L11	SC1405-L12	Countersunk flat head screw, hexalobular socket
7	SC1405-L10	SC1405-L11	SC1406-L12	Countersunk flat head screw, hexalobular socket (axle screw)

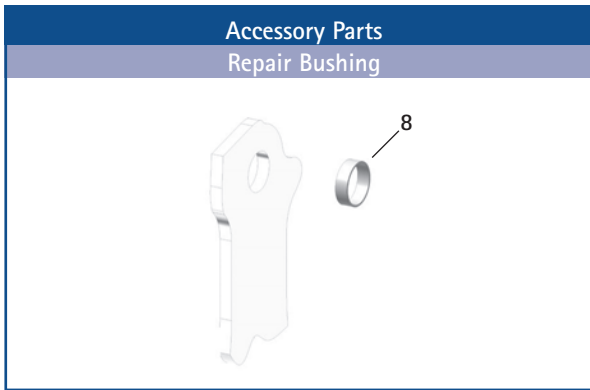
* Sliding Washers

	Article number for system width		
	14mm	16mm	20mm
Ø = 20mm	Ø = 22mm	Ø = 26mm	
GS2009-040	GS2210-040	GS2611-040	
GS2009-045	GS2210-045	GS2611-045	
GS2009-050	GS2210-050	GS2611-050	
GS2009-055	GS2210-055	GS2611-055	
GS2009-060	GS2210-060	GS2611-060	

The last three digits of the article number stand for the thickness of the sliding washer e.g. GS1407-040. The thickness of this sliding washer is 0.40mm. In total, the sliding washers are available in five different thicknesses. The thickness of a sliding washer is indicated by the markings. For example, a sliding washer with two grooves is 0.40mm thick, whereas a sliding washer with one notch is 0.55mm thick.

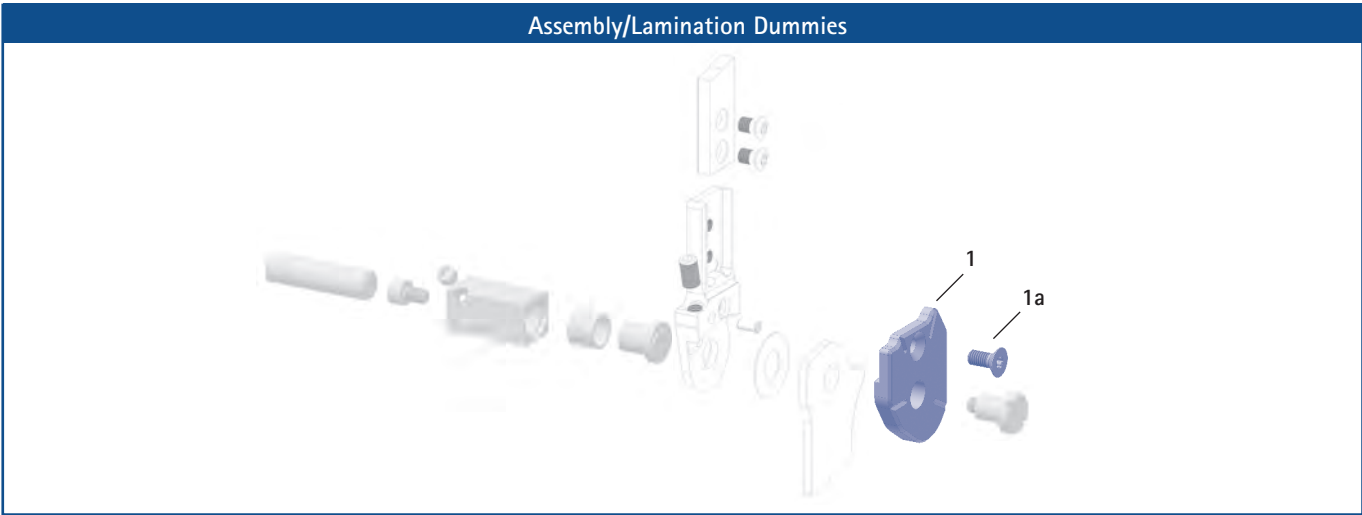


➔ You will find system side bars and system anchors on catalogue page F1ff.
You will find system stirrups on catalogue page A20.8.



Accessory Parts				
Item	Article number for system width			Description
	14mm	16mm	20mm	
8	BR1009-L025*	BR1110-L030*	BR1211-L030*	Repair bushing*

* You will find special reaming tools on catalogue page G11.



Assembly/Lamination Dummies					
Item	Article number for system width			Description	Unit
	14mm	16mm	20mm		
1	SF0942-L	SF0943-L	SF0945-L	Assembly/lamination dummy, left lateral or right medial (1 dummy with screw)	Piece
1	SF0942-R	SF0943-R	SF0945-R	Assembly/lamination dummy, left medial or right lateral (1 dummy with screw)	Piece
1a	SC1405-L12	SC1405-L12	SC1405-L12	Countersunk flat head screw, hexalobular socket	Piece

- ➔ Assembly/lamination dummies are included in the scope of delivery of the system joints.
- ➔ You will find an overview of our tools on catalogue page G1ff.



Rivet stirrup



Lamination/prepreg stirrup



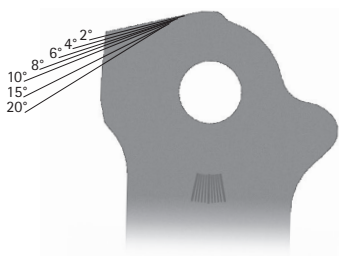
Thermoformage stirrup

General Measures of System Stirrups

Measure [mm]	System width		
	14mm	16mm	20mm
Thickness	2.5	3.0	3.0
Neck width	23.2	26.6	30.8
Bore hole diameter	8.5	9.6	10.5

System Stirrups

Description		Unit	Article number and measures for system width		
			14mm	16mm	20mm
Rivet stirrup	Article number	Piece	FB4082-ST/4	FB4093-ST/4	FB4095-ST/5
Is riveted to the foot piece	Length from the middle of the bore hole [mm]		125	145	165
	Weight [g]		67	106	134
Lamination/prepreg stirrup	Article number	Piece	FB4182-ST/1	FB4193-ST/1	FB4195-ST/1
Is embedded into the foot piece when laminating/embedded into prepreg materials	Length from the middle of the bore hole [mm]		51	59	69
	Weight [g]		32	52	68
Thermoformage stirrup	Article number	Piece	FB4282-ST/2	FB4293-ST/2	FB4295-ST/3
Is embedded into thermoformable plastics; can also be embedded when laminating	Length from the middle of the bore hole [mm]		62	68	74
	Weight [g]		32	50	61



- ➔ The system stirrup is marked with lines in the head area which serve as orientation for precisely filling the stirrup to the desired plantar and dorsiflexion stop.
- ➔ The system stirrup is marked with lines in the neck area in order to read the joint angle.

NEURO VARIO



Product Information

- ➔ Joint to control and support the motion
- ➔ The range of motion in plantar flexion and dorsiflexion can be adjusted by filing the system stirrups and additionally by using the adjusting screws (max. 10° per direction of movement).

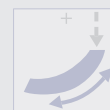
Further Sources of Information

Source of information	Article number	Link
Manual	PB2000-SF	www.fior-gentz.com
Production technique	-	

System Ankle Joint Function



without
foot lifter



with
foot lifter



NEURO CLASSIC

NEURO VARIO-CLASSIC

NEURO VARIO

NEURO SWING-CLASSIC



10mm



12mm



14mm



16mm



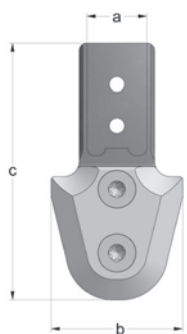
20mm

Joint Dimensions [mm]

Dimension	Description	System width a				
		10mm	12mm	14mm	16mm	20mm
b	Joint head width	20.0	24.0	28.0	35.0	38.0
c	Joint height	40.0	50.5	62.7	68.5	74.0
	Joint head thickness	8.3	10.0	11.4	12.2	12.5

Joint Weights [g]

Material	Unit	System width				
		10mm	12mm	14mm	16mm	20mm
Steel	Piece	16	34	55	75	101
Titanium	Piece	-	23	38	52	68



The NEURO VARIO system ankle joint is delivered with the following articles:

- AGOMET F330, 5g
- Orthosis joint grease, 3g
- Assembly/lamination dummy

➔ System stirrups and system side bars/anchors have to be ordered separately.
 You will find system stirrups on catalogue page A30.8.
 You will find system side bars/anchors on catalogue page F1ff.



Straight
Fig. 1



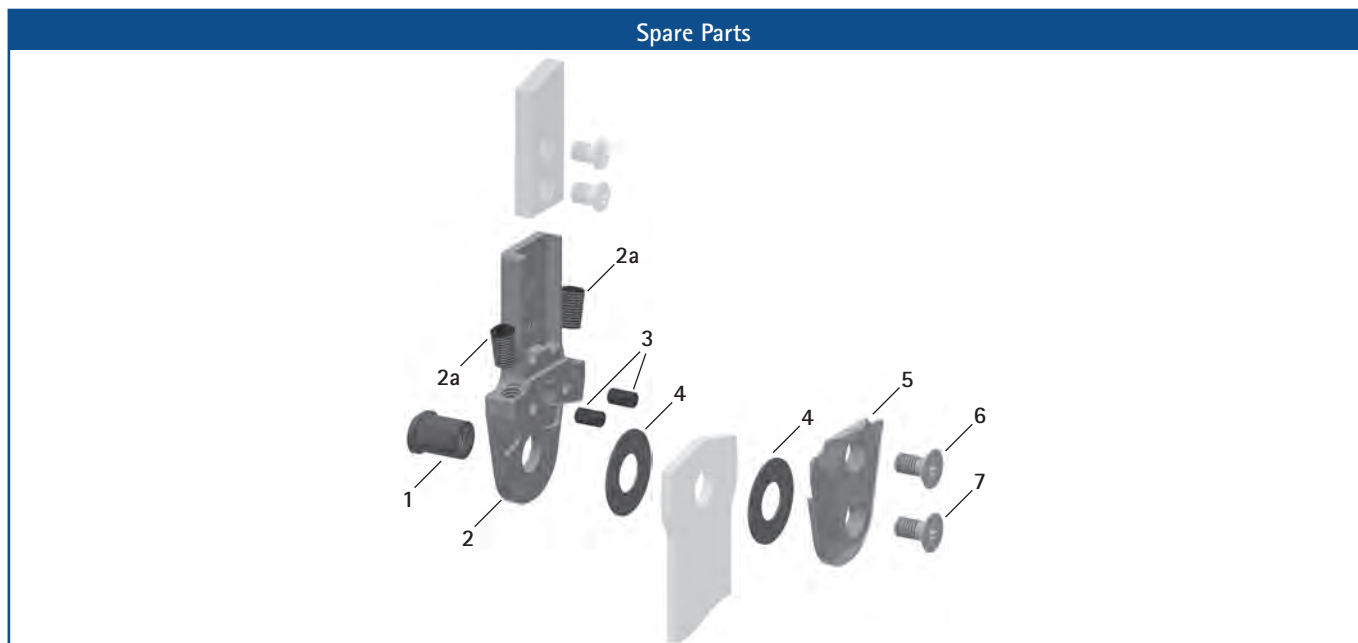
Bent inwards
Fig. 2

Straight (fig. 1)

Material	Leg	Unit	Article number for system width				
			10mm	12mm	14mm	16mm	20mm
Steel	Left or right	Piece	SF2200-ST/LR	SF2201-ST/LR	SF2202-ST/LR	SF2203-ST/LR	SF2205-ST/LR
Titanium	Left or right	Piece	-	SF2201-TI/LR	SF2202-TI/LR	SF2203-TI/LR	SF2205-TI/LR

Bent Inwards (fig. 2)

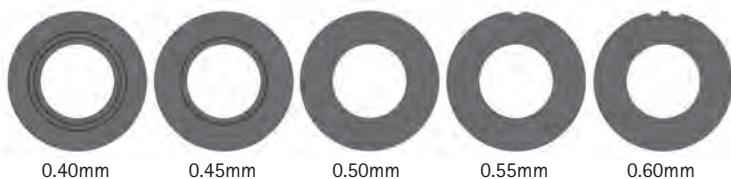
Material	Leg	Unit	Article number for system width				
			10mm	12mm	14mm	16mm	20mm
Steel	Left or right	Piece	SF2220-ST/LR	SF2221-ST/LR	SF2222-ST/LR	SF2223-ST/LR	SF2225-ST/LR
Titanium	Left or right	Piece	-	SF2221-TI/LR	SF2222-TI/LR	SF2223-TI/LR	SF2225-TI/LR



Spare Parts						
Item	Article number for system width					Description
	10mm	12mm	14mm	16mm	20mm	
1	SB6034-L0490	SB7049-L0590	SB8559-L0670	SB9669-L0760	SB1069-L0810	Bearing nuts
2	SF0200-ST	SF0241-ST	SF0242-ST	SF0243-ST	SF0245-ST	Upper part, straight, steel (with adjusting screws)
2	-	SF0241-TI	SF0242-TI	SF0243-TI	SF0245-TI	Upper part, straight, titanium (with adjusting screws)
2	SF0220-ST	SF0281-ST	SF0282-ST	SF0283-ST	SF0285-ST	Upper part, bent, steel (with adjusting screws)
2	-	SF0281-TI	SF0282-TI	SF0283-TI	SF0285-TI	Upper part, bent, titanium (with adjusting screws)
2a	SC9604-L06ST	SC9604-L06ST	SC9605-L08ST	SC9606-L10ST	SC9606-L10ST	Adjusting screw
3	GS4007	GS4007	GS4007	GS4007	GS4007	Securing pin
4	GS1206-*	GS1407-*	GS1609-*	GS2210-*	GS2611-*	Sliding washer*
5	SF0260-AL	SF0261-AL	SF0262-AL	SF0263-AL	SF0265-AL	Cover plate
6	SC1403-L08	SC1404-L08	SC1405-L11	SC1405-L11	SC1405-L12	Countersunk flat head screw, hexalobular socket
7	SC1403-L08	SC1404-L08	SC1405-L11	SC1405-L11	SC1406-L12	Countersunk flat head screw, hexalobular socket (axle screw)

* Sliding Washers					
Article number for system width					
10mm	12mm	14mm	16mm	20mm	
Ø = 12mm	Ø = 14mm	Ø = 16mm	Ø = 22mm	Ø = 26mm	
GS1206-040	GS1407-040	GS1609-040	GS2210-040	GS2611-040	
GS1206-045	GS1407-045	GS1609-045	GS2210-045	GS2611-045	
GS1206-050	GS1407-050	GS1609-050	GS2210-050	GS2611-050	
GS1206-055	GS1407-055	GS1609-055	GS2210-055	GS2611-055	
GS1206-060	GS1407-060	GS1609-060	GS2210-060	GS2611-060	

The last three digits of the article number stand for the thickness of the sliding washer e.g. GS1407-040. The thickness of this sliding washer is 0.40mm. In total, the sliding washers are available in five different thicknesses. The thickness of a sliding washer is indicated by the markings. For example, a sliding washer with two grooves is 0.40mm thick, whereas a sliding washer with one notch is 0.55mm thick.



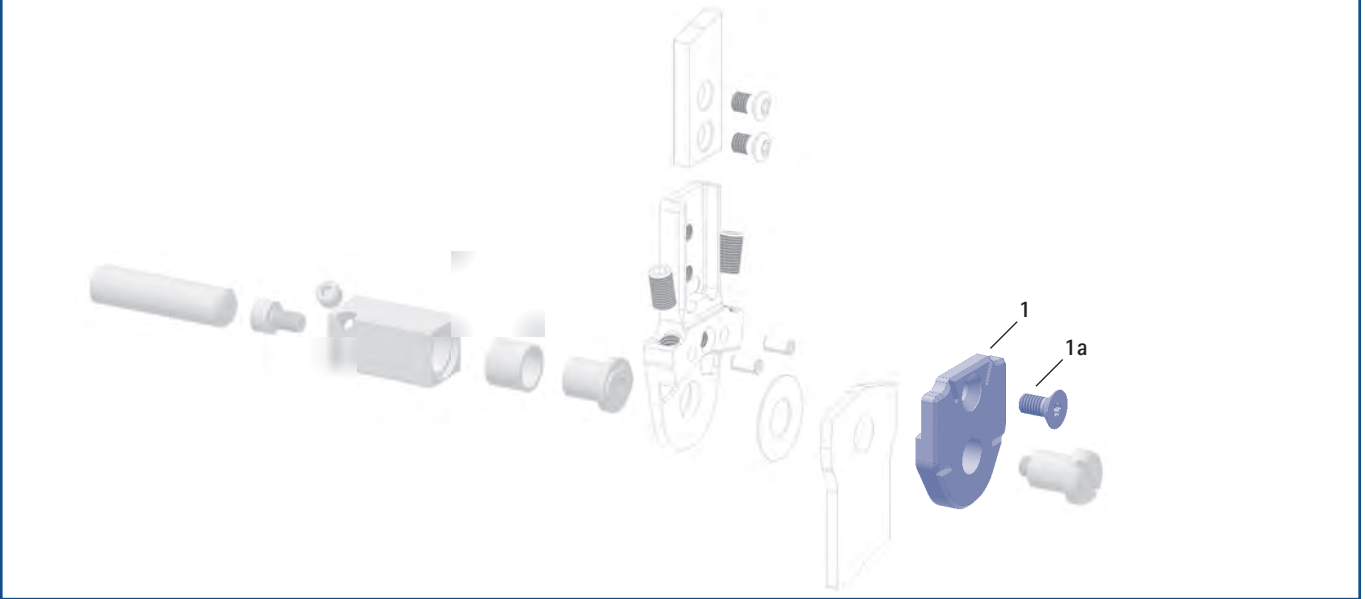
➔ You will find system side bars and system anchors on catalogue page F1ff.
 You will find system stirrups on catalogue page A30.8.



Accessory Parts						
Item	Article number for system width					Description
	10mm	12mm	14mm	16mm	20mm	
8	BP0706-L020*	BR0807-L020*	BR1009-L025*	BR1110-L030*	BR1211-L030*	Repair bushing*

* You will find special reaming tools on catalogue page G11.

Assembly/Lamination Dummies



Assembly/Lamination Dummies

Item	Article number for system width					Description	Unit
	10mm	12mm	14mm	16mm	20mm		
1	SF0920-LR	SF0921-LR	SF0922-1LR	SF0923-LR	SF0925-LR	Assembly/lamination dummy (1 dummy with screw)	Piece
1a	SC1403-L08	SC1404-L10	SC1405-L12	SC1405-L12	SC1405-L12	Countersunk flat head screw, hexalobular socket	Piece

- ➔ Assembly/lamination dummies are included in the scope of delivery of the system joints.
- ➔ You will find an overview of our tools on catalogue page G1ff.



Rivet stirrup



Lamination/prepreg stirrup



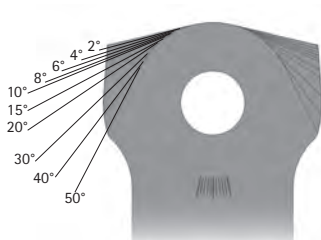
Thermoformage stirrup

General Measures of System Stirrups

Measure [mm]	System width				
	10mm	12mm	14mm	16mm	20mm
Thickness	2.0	2.0	2.5	3.0	3.0
Neck width	16.0	19.4	23.2	26.6	30.8
Bore hole diameter	6.0	7.0	8.5	9.6	10.5

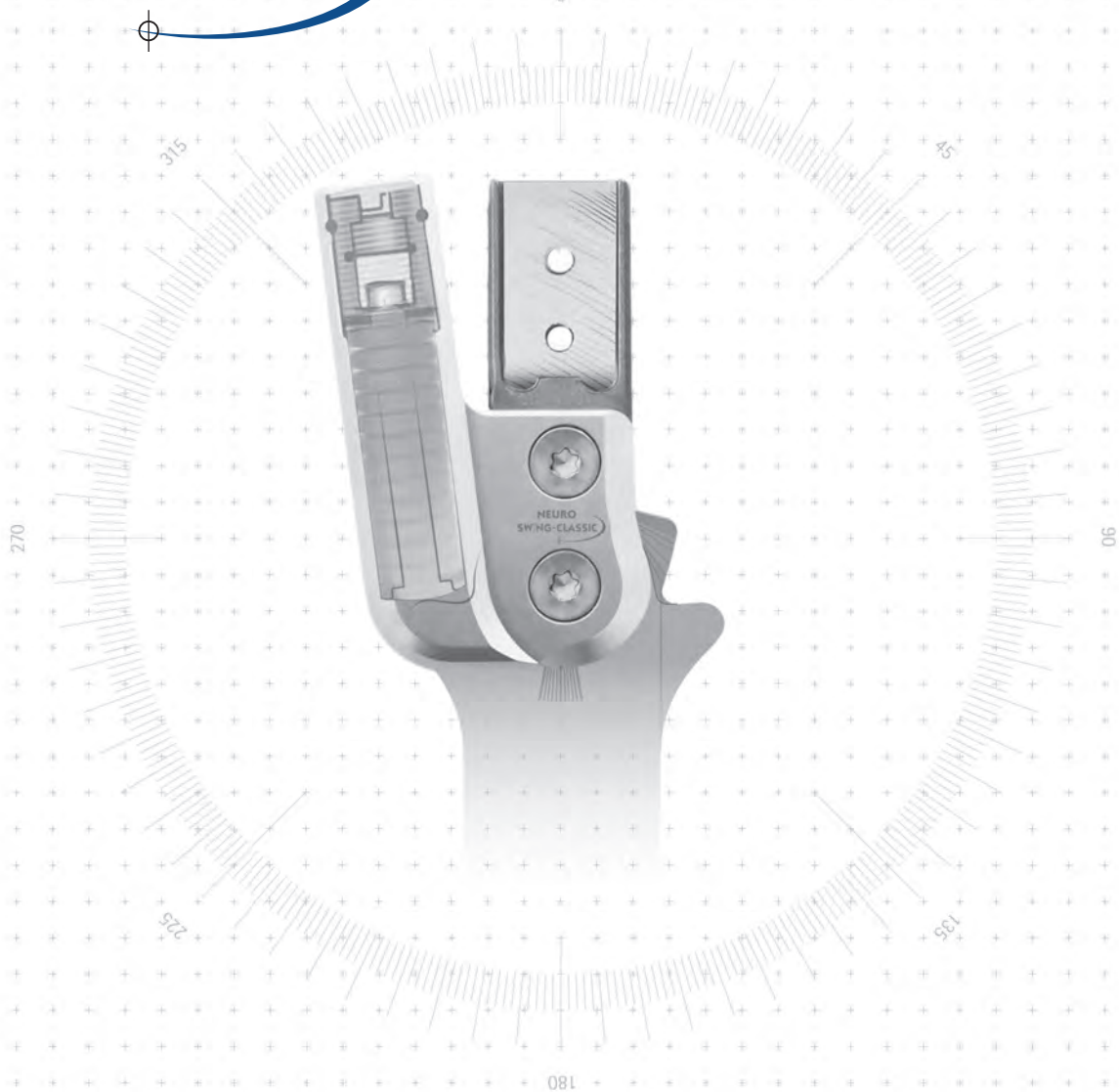
System Stirrups

Description		Unit	Article number and measures for system width				
			10mm	12mm	14mm	16mm	20mm
Rivet stirrup	Article number	Piece	FB2070-ST/3	FB2071-ST/3	FB2082-ST/4	FB2093-ST/4	FB2095-ST/5
Is riveted to the foot piece	Length from the middle of the bore hole [mm]		105	113	125	145	165
	Weight [g]		32	50	67	107	134
Lamination/prepreg stirrup	Article number	Piece	FB2170-ST/1	FB2171-ST/1	FB2182-ST/1	FB2193-ST/1	FB2195-ST/1
Is embedded into the foot piece when laminating/embedded into prepreg materials	Length from the middle of the bore hole [mm]		31	40	51	59	69
	Weight [g]		10	17	33	53	69
Thermoformage stirrup	Article number	Piece	FB2270-ST/2	FB2271-ST/2	FB2282-ST/2	FB2293-ST/3	FB2295-ST/3
Is embedded into thermoformable plastics; can also be embedded into the foot piece when laminating	Length from the middle of the bore hole [mm]		50	55	62	68	74
	Weight [g]		14	19	33	51	61



- ➔ The system stirrup is marked with lines in the head area which serve as orientation for precisely filling the stirrup to the desired plantar and dorsiflexion stop.
- ➔ The system stirrup is marked with lines in the neck area in order to read the joint angle.

NEURO SWING-CLASSIC



Product Information

- ➔ Joint to control and support the motion with a dynamic and adjustable dorsal stop
- ➔ Variable spring force by exchangeable spring units
- ➔ Adjustable range of motion in dorsiflexion
- ➔ The range of motion in plantar flexion can be adjusted by filing the system stirrup.
- ➔ The NEURO SWING-CLASSIC system ankle joints can be converted to NEURO SWING joints by exchanging the cover plate and filing the system stirrups.

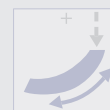
Further Sources of Information

Source of information	Article number	Link
Manual	PB1000-SH	www.fior-gentz.com
Production techniques	-	

System Ankle Joint Function

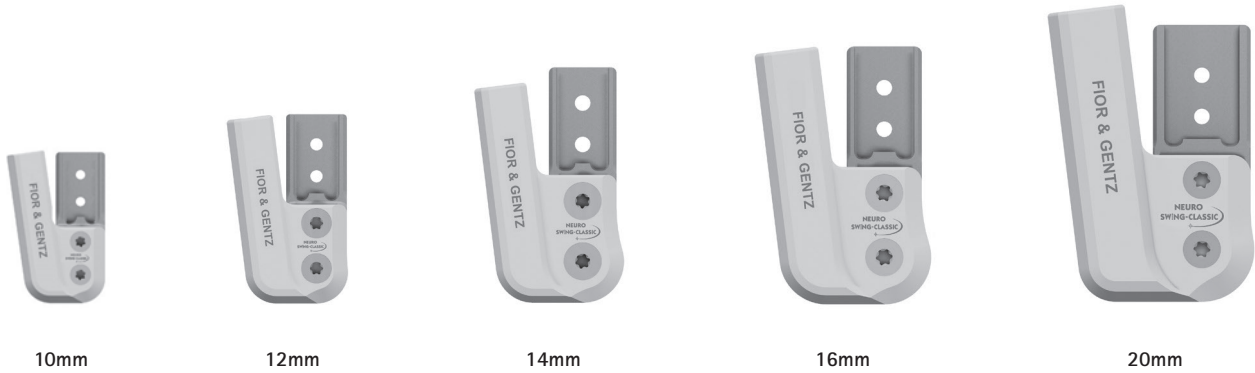


without
foot lifter



with
foot lifter





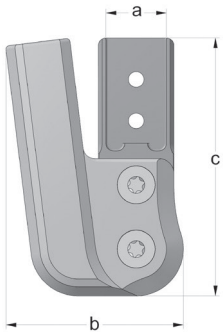
Joint Dimensions [mm]

Dimension	Description	System width a				
		10mm	12mm	14mm	16mm	20mm
b	Joint head width	26.0	32.0	40.0	47.0	55.1
c	Joint height	40.0	50.3	62.5	68.5	79.4
	Joint head thickness	10.0	12.0	14.0	17.0	20.0

Joint Weight* [g]

Material	Unit	System width				
		10mm	12mm	14mm	16mm	20mm
Steel	Piece	25	44	69	103	153
Titanium	Piece	20	35	55	84	123

* without spring unit



The NEURO SWING-CLASSIC system ankle joint is delivered with the following articles:

Description
Cover plate pressing aid
AGOMET F330, 5g
Orthosis joint grease, 3g
Assembly/lamination dummy

- ➔ Spring units, shaping dummy, system stirrups and system side bars/anchors have to be ordered separately.
- You will find spring units on catalogue page A40.6.
- You will find the shaping dummy on catalogue page A40.7.
- You will find system stirrups on catalogue page A40.8.
- You will find system side bars/anchors on catalogue page F1ff.



Straight
Fig. 1



Bent inwards
Fig. 2



Bent outwards
Fig. 3

Straight (fig. 1)

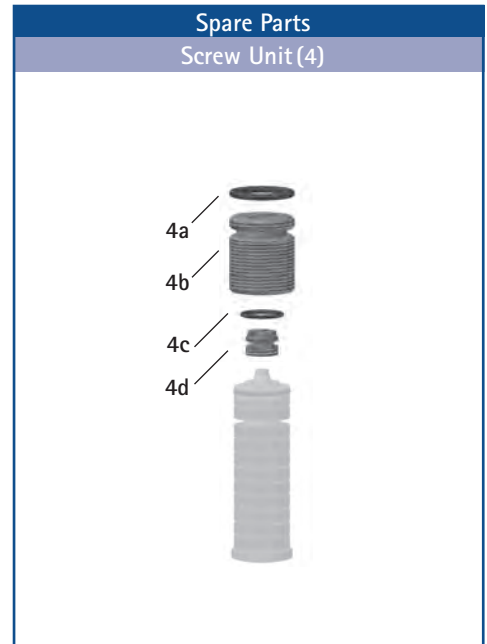
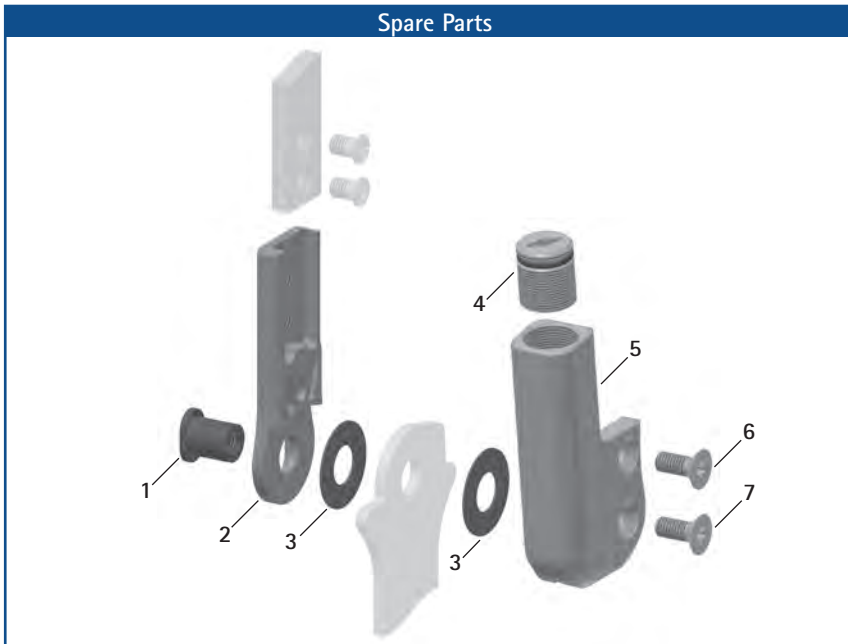
Material	Leg side	Unit	Article number for system width				
			10mm	12mm	14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SH 1200-L/ST	SH 1201-L/ST	SH 1202-L/ST	SH 1203-L/ST	SH 1205-L/ST
	Left medial or right lateral	Piece	SH 1200-R/ST	SH 1201-R/ST	SH 1202-R/ST	SH 1203-R/ST	SH 1205-R/ST
Titanium	Left lateral or right medial	Piece	-	SH 1201-L/TI	SH 1202-L/TI	SH 1203-L/TI	SH 1205-L/TI
	Left medial or right lateral	Piece	-	SH 1201-R/TI	SH 1202-R/TI	SH 1203-R/TI	SH 1205-R/TI

Bent Inwards (fig. 2)

Material	Leg side	Unit	Article number for system width				
			10mm	12mm	14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SH 1220-L/ST	SH 1221-L/ST	SH 1222-L/ST	SH 1223-L/ST	SH 1225-L/ST
	Left medial or right lateral	Piece	SH 1220-R/ST	SH 1221-R/ST	SH 1222-R/ST	SH 1223-R/ST	SH 1225-R/ST
Titanium	Left lateral or right medial	Piece	-	SH 1221-L/TI	SH 1222-L/TI	SH 1223-L/TI	SH 1225-L/TI
	Left medial or right lateral	Piece	-	SH 1221-R/TI	SH 1222-R/TI	SH 1223-R/TI	SH 1225-R/TI

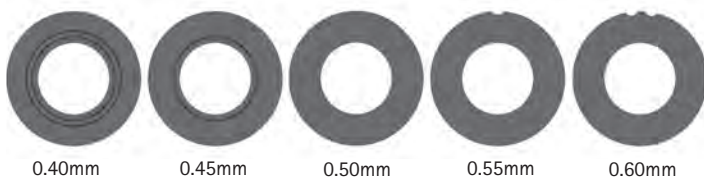
Bent Outwards (fig. 3)

Material	Leg side	Unit	Article number for system width				
			10mm	12mm	14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SH 1240-L/ST	SH 1241-L/ST	SH 1242-L/ST	SH 1243-L/ST	SH 1245-L/ST
	Left medial or right lateral	Piece	SH 1240-R/ST	SH 1241-R/ST	SH 1242-R/ST	SH 1243-R/ST	SH 1245-R/ST
Titanium	Left lateral or right medial	Piece	-	SH 1241-L/TI	SH 1242-L/TI	SH 1243-L/TI	SH 1245-L/TI
	Left medial or right lateral	Piece	-	SH 1241-R/TI	SH 1242-R/TI	SH 1243-R/TI	SH 1245-R/TI



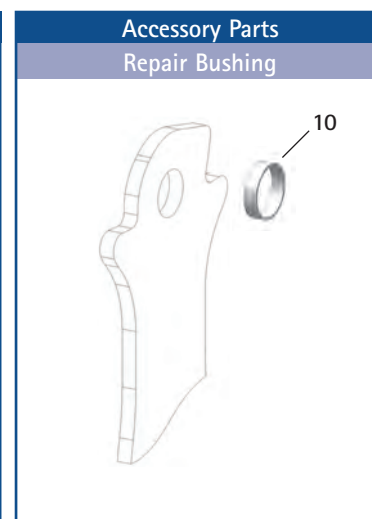
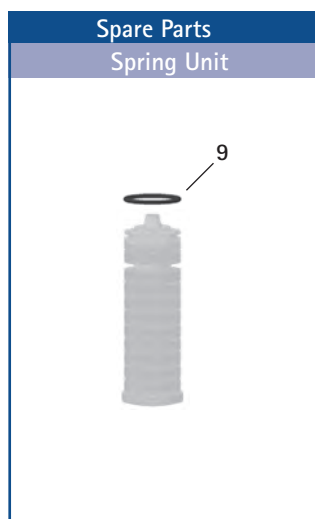
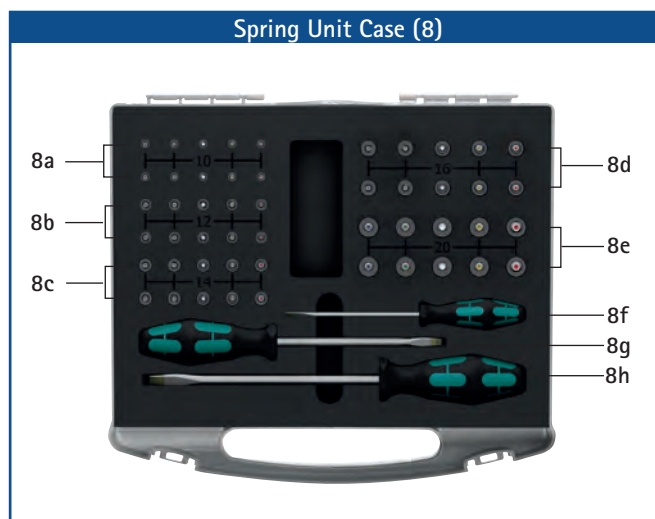
Spare Parts						Description
Item	Article number for system width					
	10mm	12mm	14mm	16mm	20mm	
1	SB6039-L0530	SB7049-L0540	SB8559-L0580	SB9669-L0710	SB1069-L0810	Bearing nuts
2	SF0310-ST	SF0311-ST	SF0312-ST	SF0313-ST	SF0315-ST	Upper part, straight, steel
2	-	SF0311-TI	SF0312-TI	SF0313-TI	SF0315-TI	Upper part, straight, titanium
2	SF0330-ST	SF0331-ST	SF0332-ST	SF0333-ST	SF0335-ST	Upper part, bent inwards, steel
2	-	SF0331-TI	SF0332-TI	SF0333-TI	SF0335-TI	Upper part, bent inwards, titanium
2	SF0330-8/ST	SF0331-8/ST	SF0332-8/ST	SF0333-8/ST	SF0335-8/ST	Upper part, bent outwards, steel
2	-	SF0331-8/TI	SF0332-8/TI	SF0333-8/TI	SF0335-8/TI	Upper part, bent outwards, titanium
3	GS1206-*	GS1407-*	GS2009-*	GS2210-*	GS2611-*	Sliding washer*
4	SC9609-L13	SC9611-L14	SC9612-L15	SC9614-L17	SC9618-L17	Screw unit
4a	VE3771-06/11	VE3771-08/15	VE3771-09/15	VE3771-11/15	VE3771-15/15	O-ring for securing alignment screw
4b	SC9609-L13/S	SC9611-L14/S	SC9612-L15/S	SC9614-L17/S	SC9618-L17/S	Alignment screw, steel
4c	VE3771-03/10	VE3771-04/10	VE3771-04/10	VE3771-04/10	VE3771-07/10	O-ring for securing motion limiting screw
4d	SC9606-L05	SC9607-L06	SC9607-L06	SC9607-L06	SC9611-L06	Motion limiting screw
5	SH0160-L/AL	SH0161-L/AL	SH0162-L/AL	SH0163-L/AL	SH0155-L/AL	Cover plate, left lateral or right medial
5	SH0160-R/AL	SH0161-R/AL	SH0162-R/AL	SH0163-R/AL	SH0155-R/AL	Cover plate, left medial or right lateral
6	SC1403-L08	SC1404-L10	SC1405-L11	SC1405-L12	SC1405-L12	Countersunk flat head screw, hexalobular socket
7	SC1403-L08	SC1404-L10	SC1405-L11	SC1405-L12	SC1406-L12	Countersunk flat head screw, hexalobular socket (axle screw)

* Sliding Washers					
Article number for system width					
10mm	12mm	14mm	16mm	20mm	
Ø = 12mm	Ø = 14mm	Ø = 20mm	Ø = 22mm	Ø = 26mm	
GS1206-040	GS1407-040	GS2009-040	GS2210-040	GS2611-040	
GS1206-045	GS1407-045	GS2009-045	GS2210-045	GS2611-045	
GS1206-050	GS1407-050	GS2009-050	GS2210-050	GS2611-050	
GS1206-055	GS1407-055	GS2009-055	GS2210-055	GS2611-055	
GS1206-060	GS1407-060	GS2009-060	GS2210-060	GS2611-060	



The last three digits of the article number stand for the thickness of the sliding washer e.g. GS1407-040. The thickness of this sliding washer is 0.40mm. In total, the sliding washers are available in five different thicknesses. The thickness of a sliding washer is indicated by the markings. For example, a sliding washer with two grooves is 0.40mm thick, whereas a sliding washer with one notch is 0.55mm thick.

→ You will find system side bars and system anchors on catalogue page F1ff.
You will find system stirrups on catalogue page A40.8.



Spring Unit Case		
Item	Article number	Description
8	SF5800	Spring unit set in a case with tools
Without fig.	SF5800-0	Spring unit case for filling by yourself, with tools (without spring units)
8a	See table Spring Units	2 x of each blue, green, white, yellow and red spring unit for NEURO SWING-CLASSIC 10mm
8b	See table Spring Units	2 x of each blue, green, white, yellow and red spring unit for NEURO SWING-CLASSIC 12mm
8c	See table Spring Units	2 x of each blue, green, white, yellow and red spring unit for NEURO SWING-CLASSIC 14mm
8d	See table Spring Units	2 x of each blue, green, white, yellow and red spring unit for NEURO SWING-CLASSIC 16mm
8e	See table Spring Units	2 x of each blue, green, white, yellow and red spring unit for NEURO SWING-CLASSIC 20mm
8f	WZ5703-3513	1 x slotted screwdriver 0.6 x 3.5 x 125mm
8g	WZ5703-6513	1 x slotted screwdriver 1.2 x 6.5 x 130mm
8h	WZ5703-8018	1 x slotted screwdriver 1.2 x 8 x 175mm

Spring Units (you need one of the following spring units for one NEURO SWING-CLASSIC system ankle joint):						
Article number for system width					Description	Unit
10mm	12mm	14mm	16mm	20mm		
SF5800-15/02	SF5801-15/03	SF5802-15/05	SF5803-15/07	SF5805-15/18*	Spring unit, blue, normal, max. 15° range of motion	Piece
SF5800-15/04	SF5801-15/06	SF5802-15/11	SF5803-15/15	SF5805-15/25*	Spring unit, green, medium, max. 15° range of motion	Piece
SF5800-10/06	SF5801-10/12	SF5802-09/16	SF5803-10/21	SF5805-10/40*	Spring unit, white, strong, max. 10° range of motion	Piece
SF5800-10/09	SF5801-10/19	SF5802-10/29	SF5803-10/31	SF5805-10/60*	Spring unit, yellow, very strong, max. 10° range of motion	Piece
SF5800-05/17	SF5801-05/33	SF5802-05/53	SF5803-05/63	SF5805-05/99*	Spring unit, red, extra strong, max. 5° range of motion	Piece

* For all 20mm system joints that you have purchased before May 2016, you need the spring unit for the 16mm system width!

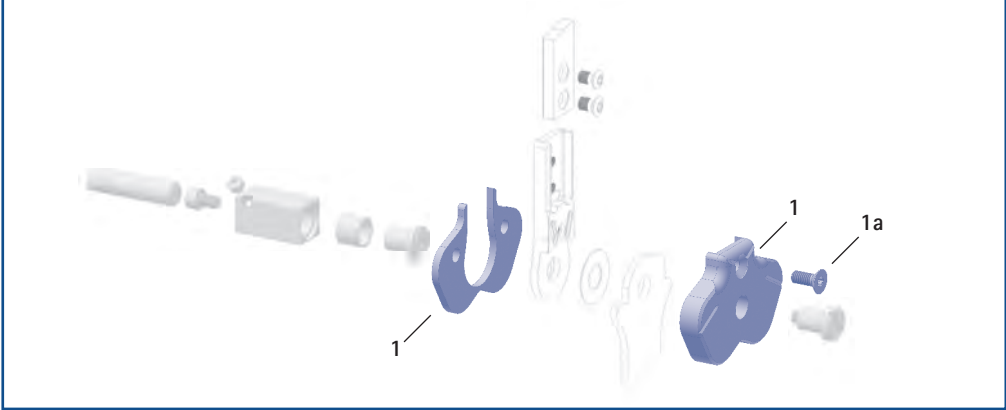
Spare Parts Spring Units						
Item	Article number for system width					Description
	10mm	12mm	14mm	16mm	20mm	
9	VE3771-045/10	VE3771-06/10	VE3771-07/10	VE3771-08/10	VE3771-11/10	O-ring for fixation of spring unit

Spring Unit Weights [g]						
Spring Unit	Article number	System width				
		10mm	12mm	14mm	16mm	20mm
Spring unit, blue, normal, max. 15° range of motion	See table Spring Units	2.9	5.7	6.6	10.8	32.5
Spring unit, green, medium, max. 15° range of motion	See table Spring Units	3.4	7.7	14.1	25.5	37.6
Spring unit, white, strong, max. 10° range of motion	See table Spring Units	3.3	8.7	17.0	26.0	48.6
Spring unit, yellow, very strong, max. 10° range of motion	See table Spring Units	3.8	8.6	17.0	30.2	56.5
Spring unit, red, extra strong, max. 5° range of motion	See table Spring Units	4.3	9.6	18.4	28.9	60.2

Accessory Parts						
Item	Article number for system width					Description
	10mm	12mm	14mm	16mm	20mm	
10	BP0706-L020**	BR0807-L020**	BR1009-L025**	BR1110-L030**	BR1211-L030**	Repair bushing**

** You will find special reaming tools on catalogue page G11.

Assembly/Lamination Dummies



Cover Plate Pressing Aid (2)



Assembly/Lamination Dummies

Item	Article number for system width					Description	Unit
	10mm	12mm	14mm	16mm	20mm		
1	SH0910-LR1	SH0911-LR1	SH0912-LR1	SH0913-LR1	SH0915-5LR1	Assembly/lamination dummy, two-parts (2 dummies with screw)	Set
1a	SC1403-L08	SC1404-L10	SC1405-L12	SC1405-L12	SC1405-L14	Countersunk flat head screw, hexalobular socket	Piece

- ➔ Assembly/lamination dummies are included in the scope of delivery of the system joints.
- ➔ You will find an overview of our tools on catalogue page G1ff.

Cover Plate Pressing Aid

Item	Article number for system width					Description	Unit
	10mm	12mm	14mm	16mm	20mm		
2	WE5000-SF	WE5001-SF	WE5002-SF	WE5002-SF	WE5002-SF	Cover plate pressing aid (pressing screw and washer)	Set

- ➔ The cover plate pressing aid is included in the scope of delivery of the system joints.

Shaping Dummy



Shaping Dummy

Item	Article number for system width					Description	Unit
	10mm	12mm	14mm	16mm	20mm		
3	SF0950-LR2	SF0951-LR2	SF0952-LR2	SF0953-LR2	SF0955-5LR2	Shaping Dummy	Piece



Rivet stirrup



Lamination/prepreg stirrup



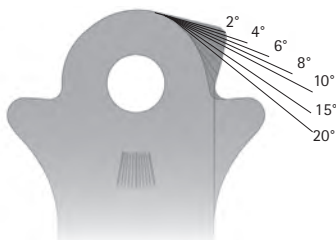
Thermoformage stirrup

General Measures of System Stirrups

Measure [mm]	System width				
	10mm	12mm	14mm	16mm	20mm
Thickness	2.0	2.0	2.5	3.0	3.0
Neck width	16.0	19.4	23.2	26.6	30.8
Bore hole diameter	6.0	7.0	8.5	9.6	10.5

System Stirrups

Description		Unit	Article number and measures for system width				
			10mm	12mm	14mm	16mm	20mm
Rivet stirrup	Article number	Piece	FH1070-ST/3	FH1071-ST/3	FH1082-ST/4	FH1093-ST/4	FH1015-ST/5
Is riveted to the foot piece	Length from the middle of the bore hole [mm]		105	113	125	145	165
	Weight [g]		32	42	70	111	141
Lamination/prepreg stirrup	Article number	Piece	FH1170-ST/1	FH1171-ST/1	FH1182-ST/1	FH1193-ST/1	FH1115-ST/1
Is embedded into the foot piece when laminating/ embedded into prepreg materials	Length from the middle of the bore hole [mm]		31	40	51	59	69
	Weight [g]		10	17	33	53	71
Thermoformage stirrup	Article number	Piece	FH1270-ST/2	FH1271-ST/2	FH1282-ST/2	FH1293-ST/2	FH1215-ST/3
Is embedded into thermoformable plastics; can also be embedded when laminating	Length from the middle of the bore hole [mm]		50	55	62	68	74
	Weight [g]		14	20	34	53	66



- ➔ The system stirrup is marked with lines in the head area which serve as orientation for precisely filling the system stirrup to the desired plantar flexion stop.
- ➔ Range of motion in dorsiflexion up to a maximum of 15°
- ➔ The system stirrup is marked with lines in the neck area in order to read the joint angle.



Product Information

- ➔ Joint with foot lifter to control and support the motion; e. g. in case of peroneal palsy
- ➔ The range of motion in dorsiflexion can be adjusted by filing the system stirrup.
- ➔ The NEURO SPRING joints can be converted into NEURO CLASSIC joints.
- ➔ The NEURO SPRING joints can also be converted into NEURO CLASSIC-SWING joints by exchanging the functional unit (cover plate and spring).
- ➔ Use the assembly aid for cover plate for an easier tensioning of the pressure spring in the functional unit and, therefore, an easier mounting of the cover plate on the ankle joint.

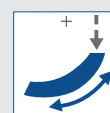
Further Sources of Information

Source of information	Article number	Link
Manual	PB3000-SF	www.fior-gentz.com
Production techniques	-	

System Ankle Joint Function



without
foot lifter



with
foot lifter



NEURO SPRING

NEURO CLASSIC-SWING

NEURO VARIO-SPRING

NEURO SWING

NEURO SWING H₂O



14mm

16mm

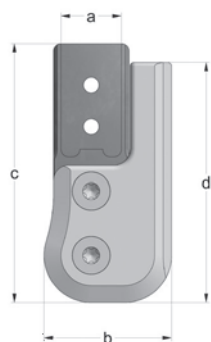
20mm

Joint Dimensions [mm]

Dimension	Description	System width a		
		14mm	16mm	20mm
b	Joint head width	28.0	33.8	39.0
c	Joint height	62.5	68.5	74.0
d	Cover height	57.0	63.5	69.0
	Joint head thickness	10.3	11.5	12.5

Joint Weights [g]

Material	Unit	System width		
		14mm	16mm	20mm
Steel	Piece	58	77	108
Titanium	Piece	44	58	79



The NEURO SPRING system ankle joint is delivered with the following articles:

- AGOMET F330, 5g
- Orthosis joint grease, 3g
- Assembly/lamination dummy

➔ System stirrups and system side bars/anchors have to be ordered separately.
 You will find system stirrups on catalogue page B10.8.
 You will find system side bars/anchors on catalogue page F1ff.



Straight
Fig. 1



Bent inwards
Fig. 2



Bent outwards
Fig. 3

Straight (fig. 1)

Material	Leg	Unit	Article number for system width		
			14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SF3202-L/ST	SF3203-L/ST	SF3205-L/ST
	Left medial or right lateral	Piece	SF3202-R/ST	SF3203-R/ST	SF3205-R/ST
Titanium	Left lateral or right medial	Piece	SF3202-L/TI	SF3203-L/TI	SF3205-L/TI
	Left medial or right lateral	Piece	SF3202-R/TI	SF3203-R/TI	SF3205-R/TI

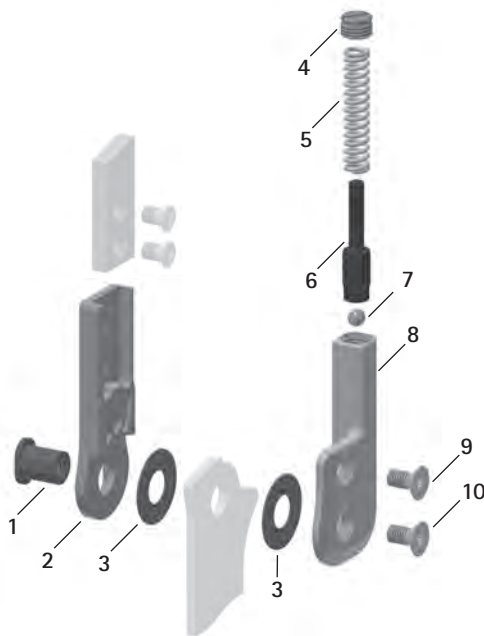
Bent Inwards (fig. 2)

Material	Leg	Unit	Article number for system width		
			14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SF3222-L/ST	SF3223-L/ST	SF3225-L/ST
	Left medial or right lateral	Piece	SF3222-R/ST	SF3223-R/ST	SF3225-R/ST
Titanium	Left lateral or right medial	Piece	SF3222-L/TI	SF3223-L/TI	SF3225-L/TI
	Left medial or right lateral	Piece	SF3222-R/TI	SF3223-R/TI	SF3225-R/TI

Bent Outwards (fig. 3)

Material	Leg	Unit	Article number for system width		
			14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SF3242-L/ST	SF3243-L/ST	SF3245-L/ST
	Left medial or right lateral	Piece	SF3242-R/ST	SF3243-R/ST	SF3245-R/ST
Titanium	Left lateral or right medial	Piece	SF3242-L/TI	SF3243-L/TI	SF3245-L/TI
	Left medial or right lateral	Piece	SF3242-R/TI	SF3243-R/TI	SF3245-R/TI

Spare Parts



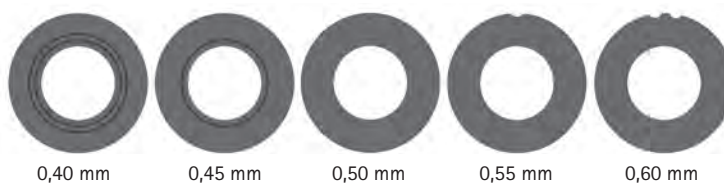
Spare Parts

Item	Article number for system width			Description
	14mm	16mm	20mm	
1	SB8559-L0580	SB9669-L0710	SB1069-L0760	Bearing nuts
2	SF0312-ST	SF0313-ST	SF0315-ST	Upper part, straight, steel
2	SF0312-TI	SF0313-TI	SF0315-TI	Upper part, straight, titanium
2	SF0332-ST	SF0333-ST	SF0335-ST	Upper part, bent inwards, steel
2	SF0332-TI	SF0333-TI	SF0335-TI	Upper part, bent inwards, titanium
2	SF0332-8/ST	SF0333-8/ST	SF0335-8/ST	Upper part, bent outwards, steel
2	SF0332-8/TI	SF0333-8/TI	SF0335-8/TI	Upper part, bent outwards, titanium
3	GS2009-*	GS2210-*	GS2611-*	Sliding washer*
4	SC2108-L04	SC2109-L05	SC2110-L05	Pressure screw
5	FE1634-02	FE2836-02	FE2752-02	Pressure spring, golden
6	SF0342-75	SF0343-72	SF0345-81	Pin
7	KU1005-ST	KU1005-ST	KU1005-ST	Ball
8	SF0362-L/AL	SF0363-L/AL	SF0365-L/AL	Cover plate, left lateral or right medial
8	SF0362-R/AL	SF0363-R/AL	SF0365-R/AL	Cover plate, left medial or right lateral
9	SC1405-L10	SC1405-L11	SC1405-L12	Countersunk flat head screw, hexalobular socket
10	SC1405-L10	SC1405-L11	SC1406-L12	Countersunk flat head screw, hexalobular socket (axle screw)
4-10	SF3972-L/AL	SF3973-L/AL	SF3975-L/AL	Functional unit NEURO SPRING, left lateral or right medial
4-10	SF3972-R/AL	SF3973-R/AL	SF3975-R/AL	Functional unit NEURO SPRING, left medial or right lateral

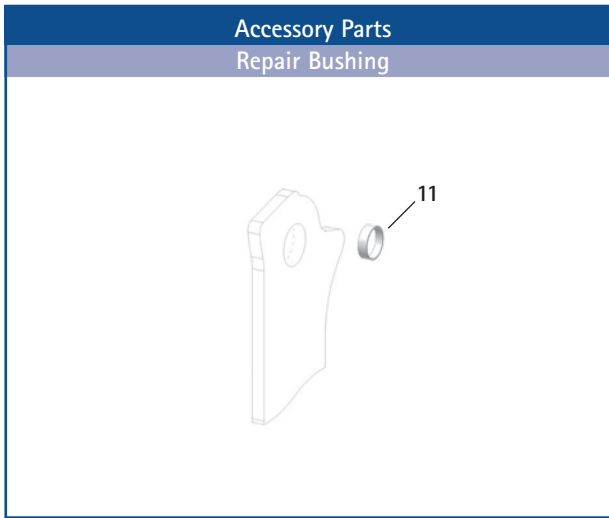
* Sliding Washers

Article number for system width		
14mm	16mm	20mm
Ø = 20mm	Ø = 22mm	Ø = 26mm
GS2009-040	GS2210-040	GS2611-040
GS2009-045	GS2210-045	GS2611-045
GS2009-050	GS2210-050	GS2611-050
GS2009-055	GS2210-055	GS2611-055
GS2009-060	GS2210-060	GS2611-060

The last three digits of the article number stand for the thickness of the sliding washer e.g. GS1407-040. The thickness of this sliding washer is 0.40mm. In total, the sliding washers are available in five different thicknesses. The thickness of a sliding washer is indicated by the markings. For example, a sliding washer with two grooves is 0.40mm thick, whereas a sliding washer with one notch is 0.55mm thick.



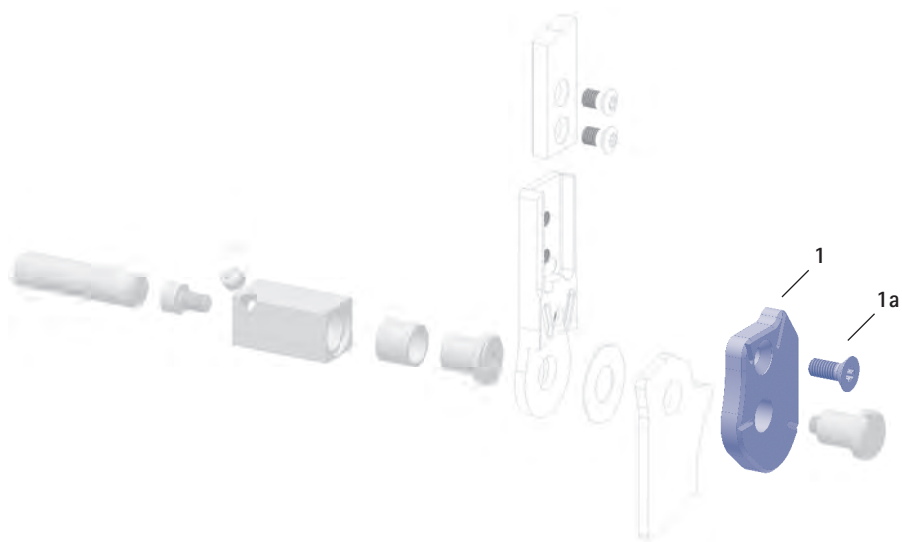
➔ You will find system side bars and system anchors on catalogue page F1ff.
You will find system stirrups on catalogue page B10.8.



Accessory Parts				
Item	Article number for system width			Description
	14mm	16mm	20mm	
11	BR1009-L025*	BR1110-L030*	BR1211-L030*	Repair bushing*

* You will find special reaming tools on catalogue page G11.

Assembly/Lamination Dummies



Assembly/Lamination Dummies

Item	Article number for system width			Description	Unit
	14mm	16mm	20mm		
1	SF0932-L	SF0933-L	SF0935-L	Assembly/lamination dummy, left lateral or right medial (1 dummy with screw)	Piece
1	SF0932-R	SF0933-R	SF0935-R	Assembly/lamination dummy, left medial or right lateral (1 dummy with screw)	Piece
1a	SC1405-L12	SC1405-L12	SC1405-L12	Countersunk flat head screw, hexalobular socket	Piece

- ➔ Assembly/lamination dummies are included in the scope of delivery of the system joints.
- ➔ You will find an overview of our tools on catalogue page G1ff.



Rivet stirrup



Lamination/prepreg stirrup



Thermoformage stirrup



Shoe caliper plate stirrup

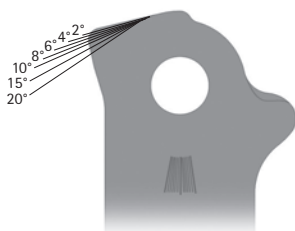
General Measures of System Stirrups

Measure [mm]	System width		
	14mm	16mm	20mm
Thickness	2.5	3.0	3.0
Neck width	23.2*	26.6*	30.8*
Bore hole diameter	8.5	9.6	10.5

* Exception: The neck width of the shoe caliper plate stirrup is equivalent to its insertion width.

System Stirrups

Description		Unit	Article number and measures for system width		
			14mm	16mm	20mm
Rivet stirrup	Article number	Piece	FB3082-ST/4	FB3093-ST/4	FB3095-ST/5
Is riveted to the foot piece	Length from the middle of the bore hole [mm]		125	145	165
	Weight [g]		67	106	135
Lamination/prepreg stirrup	Article number	Piece	FB3182-ST/1	FB3193-ST/1	FB3195-ST/1
Is embedded into the foot piece when laminating/embedded into prepreg materials	Length from the middle of the bore hole [mm]		51	59	69
	Weight [g]		32	52	68
Thermoformage stirrup	Article number	Piece	FB3282-ST/2	FB3293-ST/2	FB3295-ST/3
Is embedded into thermoformable plastics; can also be embedded when laminating	Length from the middle of the bore hole [mm]		62	68	74
	Weight [g]		32	50	61
Shoe caliper plate stirrup	Article number	Piece	FB3542-ST/3	FB3553-ST/5	FB3555-ST/6
Is inserted in common shoe caliper plates	Length from the middle of the bore hole [mm]		145	165	185
	Weight [g]		57	91	104
	Insertion width		19	22	22



- ➔ The system stirrup is marked with lines in the head area which serve as orientation for precisely filing the stirrup to the desired dorsiflexion stop.
- ➔ Range of motion in plantar flexion up to a maximum of 30°
- ➔ The system stirrup is marked with lines in the neck area in order to read the joint angle.

NEURO CLASSIC-SWING



Product Information

- ➔ Joint to control and support the motion; with increased foot lifter and a dynamic and adjustable plantar flexion stop
- ➔ Variable spring force by exchangeable spring units
- ➔ Adjustable range of motion in plantar flexion
- ➔ The spring unit enables a controlled, dynamic foot dropping, controls the forward progression of the lower leg and affects the knee flexion during loading response.
- ➔ The range of motion in dorsiflexion can be adjusted by filing the system stirrups.
- ➔ The NEURO CLASSIC-SWING system ankle joints can be converted to NEURO SWING system joints by exchanging the cover plate and filing the system stirrups.

Further Sources of Information

Source of information	Article number	Link
Manual	PB3000-SH	www.fior-gentz.com
Production techniques	-	

System Ankle Joint Function



without
foot lifter



with
foot lifter



NEURO SPRING

NEURO CLASSIC-SWING

NEURO VARIO-SPRING

NEURO SWING

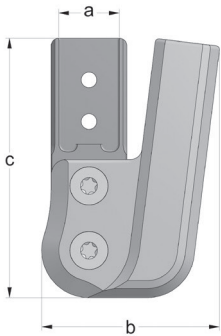
NEURO SWING H₂O



Joint Dimensions [mm]		System width a				
Dimension	Description	10mm	12mm	14mm	16mm	20mm
b	Joint head width	26.0	32.0	40.0	47.0	55.1
c	Joint height	40.4	50.3	62.5	68.5	79.4
	Joint head thickness	10.0	12.0	14.0	17.0	20.0

Joint Weight* [g]		System width				
Material	Unit	10mm	12mm	14mm	16mm	20mm
Steel	Piece	25	44	69	103	153
Titanium	Piece	20	35	55	84	123

* without spring unit



The NEURO CLASSIC-SWING system ankle joint is delivered with the following articles:	
Description	
Cover plate pressing aid	
AGOMET F330, 5g	
Orthosis joint grease, 3g	
Assembly/lamination dummy	

- Spring units, shaping dummy, system stirrups and system side bars/anchors have to be ordered separately.
- You will find spring units on catalogue page B20.6.
- You will find the shaping dummy on catalogue page B20.7.
- You will find system stirrups on catalogue page B20.8.
- You will find system side bars/anchors on catalogue page F1ff.



Straight
Fig. 1



Bent inwards
Fig. 2



Bent outwards
Fig. 3

Straight (fig. 1)

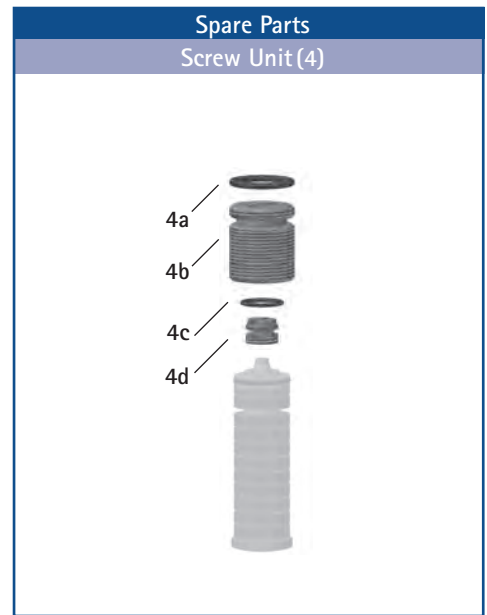
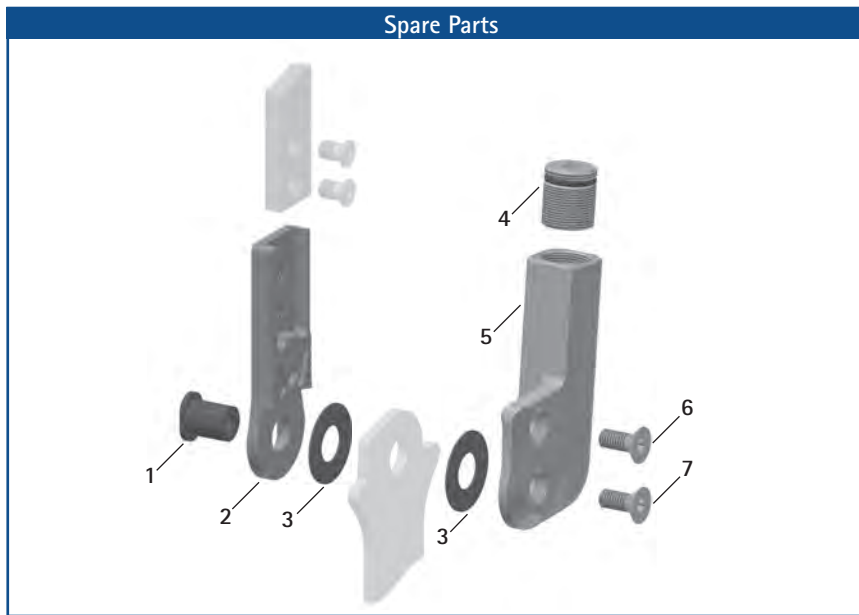
Material	Leg side	Unit	Article number for system width				
			10mm	12mm	14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SH3200-L/ST	SH3201-L/ST	SH3202-L/ST	SH3203-L/ST	SH3205-L/ST
	Left medial or right lateral	Piece	SH3200-R/ST	SH3201-R/ST	SH3202-R/ST	SH3203-R/ST	SH3205-R/ST
Titanium	Left lateral or right medial	Piece	-	SH3201-L/TI	SH3202-L/TI	SH3203-L/TI	SH3205-L/TI
	Left medial or right lateral	Piece	-	SH3201-R/TI	SH3202-R/TI	SH3203-R/TI	SH3205-R/TI

Bent Inwards (fig. 2)

Material	Leg side	Unit	Article number for system width				
			10mm	12mm	14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SH3220-L/ST	SH3221-L/ST	SH3222-L/ST	SH3223-L/ST	SH3225-L/ST
	Left medial or right lateral	Piece	SH3220-R/ST	SH3221-R/ST	SH3222-R/ST	SH3223-R/ST	SH3225-R/ST
Titanium	Left lateral or right medial	Piece	-	SH3221-L/TI	SH3222-L/TI	SH3223-L/TI	SH3225-L/TI
	Left medial or right lateral	Piece	-	SH3221-R/TI	SH3222-R/TI	SH3223-R/TI	SH3225-R/TI

Bent Outwards (fig. 3)

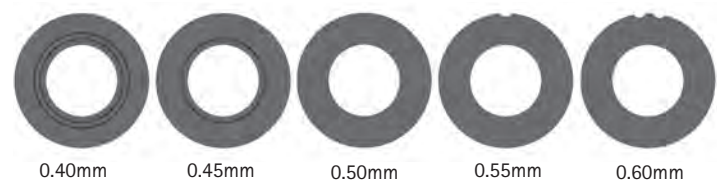
Material	Leg side	Unit	Article number for system width				
			10mm	12mm	14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SH3240-L/ST	SH3241-L/ST	SH3242-L/ST	SH3243-L/ST	SH3245-L/ST
	Left medial or right lateral	Piece	SH3240-R/ST	SH3241-R/ST	SH3242-R/ST	SH3243-R/ST	SH3245-R/ST
Titanium	Left lateral or right medial	Piece	-	SH3241-L/TI	SH3242-L/TI	SH3243-L/TI	SH3245-L/TI
	Left medial or right lateral	Piece	-	SH3241-R/TI	SH3242-R/TI	SH3243-R/TI	SH3245-R/TI



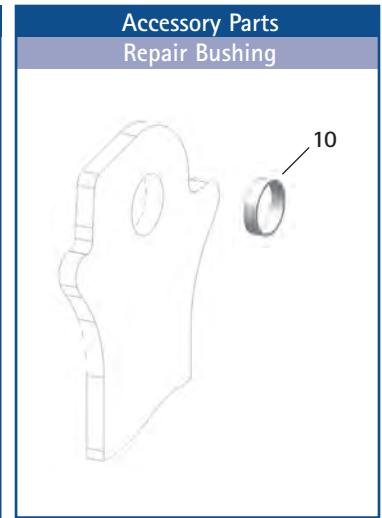
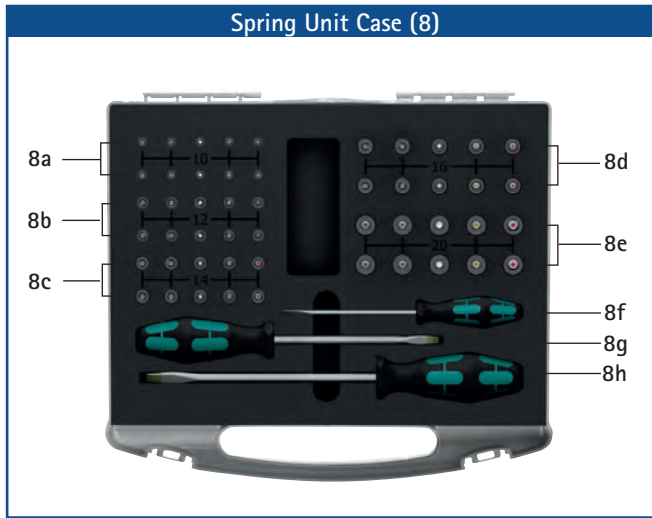
Spare Parts						
Item	Article number for system width					Description
	10mm	12mm	14mm	16mm	20mm	
1	SB6039-L0530	SB7049-L0540	SB8559-L0580	SB9669-L0710	SB1069-L0810	Bearing nuts
2	SF0310-ST	SF0311-ST	SF0312-ST	SF0313-ST	SF0315-ST	Upper part, straight, steel
2	-	SF0311-TI	SF0312-TI	SF0313-TI	SF0315-TI	Upper part, straight, titanium
2	SF0330-ST	SF0331-ST	SF0332-ST	SF0333-ST	SF0335-ST	Upper part, bent inwards, steel
2	-	SF0331-TI	SF0332-TI	SF0333-TI	SF0335-TI	Upper part, bent inwards, titanium
2	SF0330-8/ST	SF0331-8/ST	SF0332-8/ST	SF0333-8/ST	SF0335-8/ST	Upper part, bent outwards, steel
2	-	SF0331-8/TI	SF0332-8/TI	SF0333-8/TI	SF0335-8/TI	Upper part, bent outwards, titanium
3	GS1206-*	GS1407-*	GS2009-*	GS2210-*	GS2611-*	Sliding washer*
4	SC9609-L13	SC9611-L14	SC9612-L15	SC9614-L17	SC9618-L17	Screw unit
4a	VE3771-06/11	VE3771-08/15	VE3771-09/15	VE3771-11/15	VE3771-15/15	O-ring for securing alignment screw
4b	SC9609-L13/S	SC9611-L14/S	SC9612-L15/S	SC9614-L17/S	SC9618-L17/S	Alignment screw, steel
4c	VE3771-03/10	VE3771-04/10	VE3771-04/10	VE3771-04/10	VE3771-07/10	O-ring for securing motion limiting screw
4d	SC9606-L05	SC9607-L06	SC9607-L06	SC9607-L06	SC9611-L06	Motion limiting screw
5	SH0360-L/AL	SH0361-L/AL	SH0362-L/AL	SH0363-L/AL	SH0355-L/AL	Cover plate, left lateral or right medial
5	SH0360-R/AL	SH0361-R/AL	SH0362-R/AL	SH0363-R/AL	SH0355-R/AL	Cover plate, left medial or right lateral
6	SC1403-L08	SC1404-L10	SC1405-L11	SC1405-L12	SC1405-L12	Countersunk flat head screw, hexalobular socket
7	SC1403-L08	SC1404-L10	SC1405-L11	SC1405-L12	SC1406-L12	Countersunk flat head screw, hexalobular socket (axle screw)
4-7	SH3970-L/AL	SH3971-L/AL	SH3972-L/AL	SH3973-L/AL	SH3975-L/AL	Functional unit NEURO CLASSIC-SWING, left lateral or right medial
4-7	SH3970-R/AL	SH3971-R/AL	SH3972-R/AL	SH3973-R/AL	SH3975-R/AL	Functional unit NEURO CLASSIC-SWING, left medial or right lateral

* Sliding Washers					
Article number for system width					
10mm	12mm	14mm	16mm	20mm	
∅ = 12mm	∅ = 14mm	∅ = 20mm	∅ = 22mm	∅ = 26mm	
GS1206-040	GS1407-040	GS2009-040	GS2210-040	GS2611-040	
GS1206-045	GS1407-045	GS2009-045	GS2210-045	GS2611-045	
GS1206-050	GS1407-050	GS2009-050	GS2210-050	GS2611-050	
GS1206-055	GS1407-055	GS2009-055	GS2210-055	GS2611-055	
GS1206-060	GS1407-060	GS2009-060	GS2210-060	GS2611-060	

The last three digits of the article number stand for the thickness of the sliding washer e.g. GS1407-040. The thickness of this sliding washer is 0.40mm. In total, the sliding washers are available in five different thicknesses. The thickness of a sliding washer is indicated by the markings. For example, a sliding washer with two grooves is 0.40mm thick, whereas a sliding washer with one notch is 0.55mm thick.



➔ You will find system side bars and system anchors on catalogue page F1ff.
You will find system stirrups on catalogue page B20.8.



Spring Unit Case		
Item	Article number	Description
8	SF5800	1 x spring unit set in a case with tools
Without fig.	SF5800-0	1 x spring unit case for filling by yourself, with tools (without spring units)
8a	See table Spring Units	2 x of each blue, green, white, yellow and red spring unit for NEURO CLASSIC-SWING 10mm
8b	See table Spring Units	2 x of each blue, green, white, yellow and red spring unit for NEURO CLASSIC-SWING 12mm
8c	See table Spring Units	2 x of each blue, green, white, yellow and red spring unit for NEURO CLASSIC-SWING 14mm
8d	See table Spring Units	2 x of each blue, green, white, yellow and red spring unit for NEURO CLASSIC-SWING 16mm
8e	See table Spring Units	2 x of each blue, green, white, yellow and red spring unit for NEURO CLASSIC-SWING 20mm
8f	WZ5703-3513	1 x slotted screwdriver 0.6 x 3.5 x 125mm
8g	WZ5703-6513	1 x slotted screwdriver 1.2 x 6.5 x 130mm
8h	WZ5703-8018	1 x slotted screwdriver 1.2 x 8 x 175mm

Spring Units (you need one of the following spring units for one NEURO CLASSIC-SWING system ankle joint):						
Article number for system width					Description	Unit
10mm	12mm	14mm	16mm	20mm		
SF5800-15/02	SF5801-15/03	SF5802-15/05	SF5803-15/07	SF5805-15/18*	Spring unit, blue, normal, max. 15° range of motion	Piece
SF5800-15/04	SF5801-15/06	SF5802-15/11	SF5803-15/15	SF5805-15/25*	Spring unit, green, medium, max. 15° range of motion	Piece
SF5800-10/06	SF5801-10/12	SF5802-09/16	SF5803-10/21	SF5805-10/40*	Spring unit, white, strong, max. 10° range of motion	Piece
SF5800-10/09	SF5801-10/19	SF5802-10/29	SF5803-10/31	SF5805-10/60*	Spring unit, yellow, very strong, max. 10° range of motion	Piece
SF5800-05/17	SF5801-05/33	SF5802-05/53	SF5803-05/63	SF5805-05/99*	Spring unit, red, extra strong, max. 5° range of motion	Piece

* For all 20mm system joints that you have purchased before May 2016, you need the spring unit for the 16mm system width!

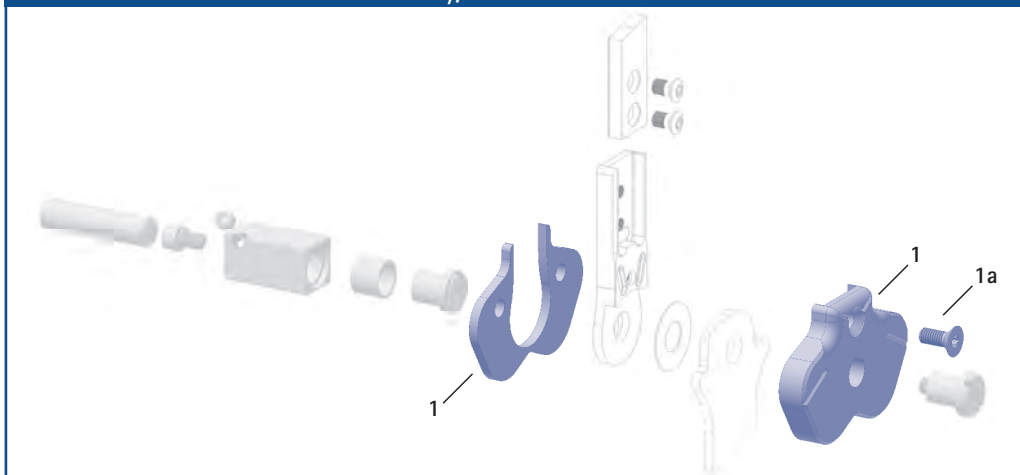
Spare Parts Spring Units						
Item	Article number for system width					Description
	10mm	12mm	14mm	16mm	20mm	
9	VE3771-045/10	VE3771-06/10	VE3771-07/10	VE3771-08/10	VE3771-11/10	O-ring for fixation of spring unit

Spring Unit Weights [g]						
Spring Unit	Article number	System width				
		10mm	12mm	14mm	16mm	20mm
Spring unit, blue, normal, max. 15° range of motion	See table Spring Units	2.9	5.7	6.6	10.8	32.5
Spring unit, green, medium, max. 15° range of motion	See table Spring Units	3.4	7.7	14.1	25.5	37.6
Spring unit, white, strong, max. 10° range of motion	See table Spring Units	3.3	8.7	17.0	26.0	48.6
Spring unit, yellow, very strong, max. 10° range of motion	See table Spring Units	3.8	8.6	17.0	30.2	56.5
Spring unit, red, extra strong, max. 5° range of motion	See table Spring Units	4.3	9.6	18.4	28.9	60.2

Accessory Parts						
Item	Article number for system width					Description
	10mm	12mm	14mm	16mm	20mm	
10	BP0706-L020**	BR0807-L020**	BR1009-L025**	BR1110-L030**	BR1211-L030**	Repair bushing**

** You will find special reaming tools on catalogue page G11.

Assembly/Lamination Dummies



Cover Plate Pressing Aid (2)



Assembly/Lamination Dummies

Item	Article number for system width					Description	Unit
	10mm	12mm	14mm	16mm	20mm		
1	SH0930-LR1	SH0931-LR1	SH0932-LR1	SH0933-LR1	SH0935-5LR1	Assembly/lamination dummy, two-parts (2 dummies with screw)	Set
1a	SC1403-L08	SC1404-L10	SC1405-L12	SC1405-L12	SC1405-L14	Countersunk flat head screw, hexalobular socket	Piece

➔ Assembly/lamination dummies are included in the scope of delivery of the system joints.

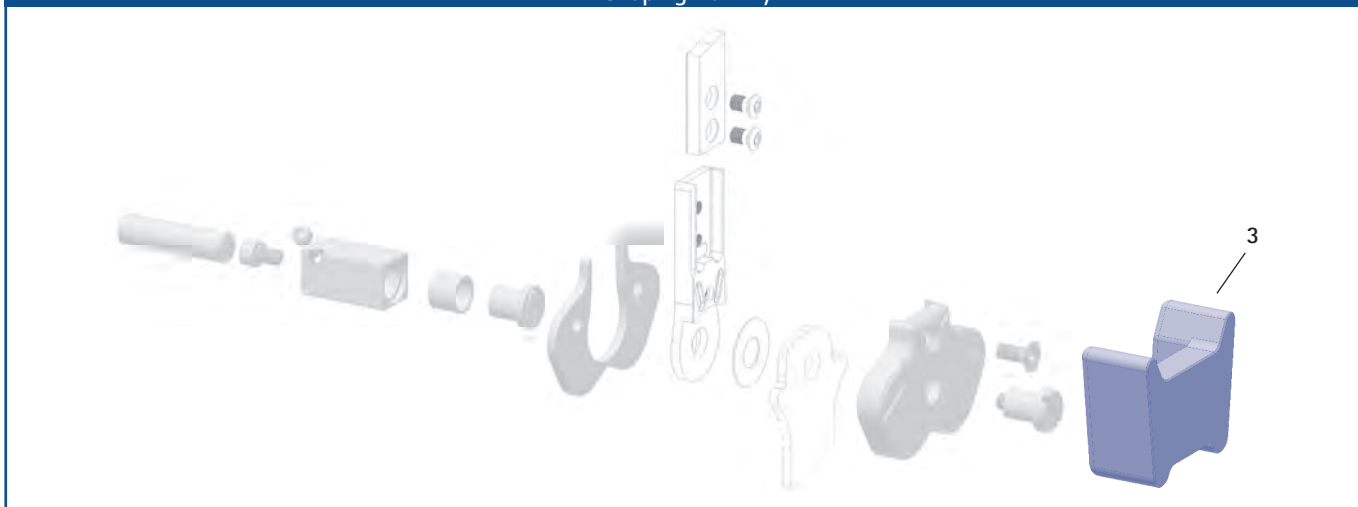
➔ You will find an overview of our tools on catalogue page G1ff.

Cover Plate Pressing Aid

Item	Article number for system width					Description	Unit
	10mm	12mm	14mm	16mm	20mm		
2	WE5000-SF	WE5001-SF	WE5002-SF	WE5002-SF	WE5002-SF	Cover plate pressing aid (pressing screw and washer)	Set

➔ The cover plate pressing aid is included in the scope of delivery of the system joints.

Shaping Dummy



Shaping Dummy

Item	Article number for system width					Description	Unit
	10mm	12mm	14mm	16mm	20mm		
3	SF0950-LR2	SF0951-LR2	SF0952-LR2	SF0953-LR2	SF0955-5LR2	Shaping dummy	Piece



Rivet stirrup



Lamination/prepreg stirrup



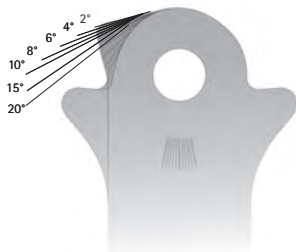
Thermoformage stirrup

General Measures of System Stirrups

Measure [mm]	System width				
	10mm	12mm	14mm	16mm	20mm
Thickness	2.0	2.0	2.5	3.0	3.0
Neck width	16.0	19.4	23.2	26.6	30.8
Bore hole diameter	6.0	7.0	8.5	9.6	10.5

System Stirrups

Description		Unit	Article number and measures for system width				
			10mm	12mm	14mm	16mm	20mm
Rivet stirrup	Article number	Piece	FH3070-ST/3	FH3071-ST/3	FH3082-ST/4	FH3093-ST/4	FH3015-ST/5
Is riveted to the foot piece	Length from the middle of the bore hole [mm]		105	113	125	145	165
	Weight [g]		32	42	70	111	141
Lamination/prepreg stirrup	Article number	Piece	FH3170-ST/1	FH3171-ST/1	FH3182-ST/1	FH3193-ST/1	FH3115-ST/1
Is embedded into the foot piece when laminating/ embedded into prepreg materials	Length from the middle of the bore hole [mm]		31	40	51	59	69
	Weight [g]		10	17	33	53	71
Thermoformage stirrup	Article number	Piece	FH3270-ST/2	FH3271-ST/2	FH3282-ST/2	FH3293-ST/2	FH3215-ST/3
Is embedded into thermoformable plastics; can also be embedded when laminating	Length from the middle of the bore hole [mm]		50	55	62	68	74
	Weight [g]		14	20	34	53	66



- ➔ The system stirrup is marked with lines in the head area which serve as orientation for precisely filing the stirrup to the desired dorsiflexion stop.
- ➔ Range of motion in plantar flexion up to a maximum of 15°
- ➔ The system stirrup is marked with lines in the neck area in order to read the joint angle.

NEURO VARIO-SPRING



Product Information

- ➔ Joint with foot lifter to control and support the motion; e.g. in case of peroneal palsy
- ➔ The range of motion in dorsiflexion can be adjusted by filing the system stirrups and additionally by using the adjusting screws (max. 10°).
- ➔ The NEURO VARIO-SPRING joints can be converted into NEURO VARIO-CLASSIC joints. For this, the functional unit is replaced by the cover plate.
- ➔ Use the assembly aid for cover plate for an easier tensioning of the pressure spring in the functional unit and, therefore, an easier mounting of the cover plate on the system ankle joint.

Further Sources of Information

Source of information	Article number	Link
Manual	PB4000-SF	www.fior-gentz.com
Production techniques	-	

System Ankle Joint Function



without
foot lifter



with
foot lifter

NEURO SPRING

NEURO CLASSIC-SWING

NEURO VARIO-SPRING

NEURO SWING

NEURO SWING H₂O





14mm



16mm



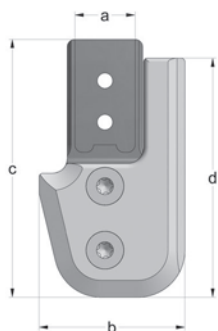
20mm

Joint Dimensions [mm]

Dimension	Description	System width a		
		14mm	16mm	20mm
b	Joint head width	33.8	39.0	44.3
c	Joint height	62.5	68.5	74.0
d	Cover height	57.0	63.5	69.5
	Joint head thickness	10.7	11.5	12.5

Joint Weights [g]

Material	Unit	System width		
		14mm	16mm	20mm
Steel	Piece	64	84	117
Titanium	Piece	48	62	86



The NEURO VARIO-SPRING system ankle joint is delivered with the following articles:

Description
AGOMET F330, 5g
Orthosis joint grease, 3g
Assembly/lamination dummy

→ System stirrups and system side bars/anchors have to be ordered separately.
 You will find system stirrups on catalogue page B30.8.
 You will find system side bars/anchors on catalogue page F1ff.

B30.3



Straight
Fig. 1



Bent inwards
Fig. 2



Bent outwards
Fig. 3

Straight (fig. 1)

Material	Leg side	Unit	Article number for system width		
			14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SF4202-L/ST	SF4203-L/ST	SF4205-L/ST
	Left medial or right lateral	Piece	SF4202-R/ST	SF4203-R/ST	SF4205-R/ST
Titanium	Left lateral or right medial	Piece	SF4202-L/TI	SF4203-L/TI	SF4205-L/TI
	Left medial or right lateral	Piece	SF4202-R/TI	SF4203-R/TI	SF4205-R/TI

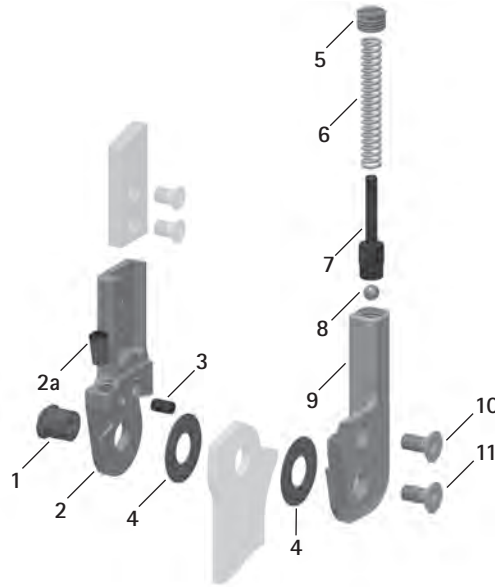
Bent Inwards (fig. 2)

Material	Leg side	Unit	Article number for system width		
			14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SF4222-L/ST	SF4223-L/ST	SF4225-L/ST
	Left medial or right lateral	Piece	SF4222-R/ST	SF4223-R/ST	SF4225-R/ST
Titanium	Left lateral or right medial	Piece	SF4222-L/TI	SF4223-L/TI	SF4225-L/TI
	Left medial or right lateral	Piece	SF4222-R/TI	SF4223-R/TI	SF4225-R/TI

Bent Outwards (fig. 3)

Material	Leg side	Unit	Article number for system width		
			14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SF4242-L/ST	SF4243-L/ST	SF4245-L/ST
	Left medial or right lateral	Piece	SF4242-R/ST	SF4243-R/ST	SF4245-R/ST
Titanium	Left lateral or right medial	Piece	SF4242-L/TI	SF4243-L/TI	SF4245-L/TI
	Left medial or right lateral	Piece	SF4242-R/TI	SF4243-R/TI	SF4245-R/TI

Spare Parts



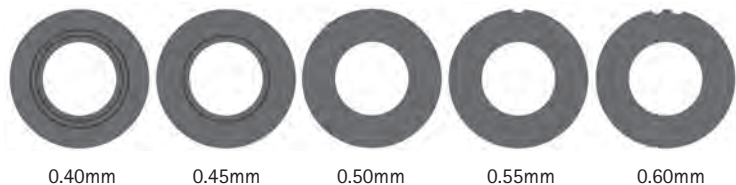
Spare Parts

Item	Article number for system width			Description
	14mm	16mm	20mm	
1	SB8559-L0620	SB9669-L0760	SB1069-L0810	Bearing nuts
2	SF0412-L/ST	SF0413-L/ST	SF0415-L/ST	Upper part, left lateral or right medial, straight, steel (with adjusting screw)
2	SF0412-R/ST	SF0413-R/ST	SF0415-R/ST	Upper part, left medial or right lateral, straight, steel (with adjusting screw)
2	SF0412-L/TI	SF0413-L/TI	SF0415-L/TI	Upper part, left lateral or right medial, straight, titanium (with adjusting screw)
2	SF0412-R/TI	SF0413-R/TI	SF0415-R/TI	Upper part, left medial or right lateral, straight, titanium (with adjusting screw)
2	SF0432-L/ST	SF0433-L/ST	SF0435-L/ST	Upper part, left lateral or right medial, bent inwards, steel (with adjusting screw)
2	SF0432-R/ST	SF0433-R/ST	SF0435-R/ST	Upper part, left medial or right lateral, bent inwards, steel (with adjusting screw)
2	SF0432-L/TI	SF0433-L/TI	SF0435-L/TI	Upper part, left lateral or right medial, bent inwards, titanium (with adjusting screw)
2	SF0432-R/TI	SF0433-R/TI	SF0435-R/TI	Upper part, left medial or right lateral, bent inwards, titanium (with adjusting screw)
2	SF0432-8L/ST	SF0433-8L/ST	SF0435-8L/ST	Upper part, left lateral or right medial, bent outwards, steel (with adjusting screw)
2	SF0432-8R/ST	SF0433-8R/ST	SF0435-8R/ST	Upper part, left medial or right lateral, bent outwards, steel (with adjusting screw)
2	SF0432-8L/TI	SF0433-8L/TI	SF0435-8L/TI	Upper part, left lateral or right medial, bent outwards, titanium (with adjusting screw)
2	SF0432-8R/TI	SF0433-8R/TI	SF0435-8R/TI	Upper part, left medial or right lateral, bent outwards, titanium (with adjusting screw)
2a	SC9605-L08ST	SC9606-L10ST	SC9606-L10ST	Adjusting screw
3	GS4007	GS4007	GS4007	Securing pin
4	GS2009-*	GS2210-*	GS2611-*	Sliding washer*
5	SC2108-L04	SC2109-L05	SC2110-L05	Pressure screw
6	FE1634-02	FE2836-02	FE2752-02	Pressure spring, golden
7	SF0342-75	SF0343-72	SF0345-81	Pin
8	KU1005-ST	KU1005-ST	KU1005-ST	Ball
9	SF0462-L/AL	SF0463-L/AL	SF0465-L/AL	Cover plate, left lateral or right medial
9	SF0462-R/AL	SF0463-R/AL	SF0465-R/AL	Cover plate, left medial or right lateral
10	SC1405-L10	SC1405-L11	SC1405-L12	Countersunk flat head screw, hexalobular socket
11	SC1405-L10	SC1405-L11	SC1406-L12	Countersunk flat head screw, hexalobular socket (axle screw)
5-11	SF4972-L/AL	SF4973-L/AL	SF4975-L/AL	Functional unit NEURO VARIO-SPRING, left lateral or right medial
5-11	SF4972-R/AL	SF4973-R/AL	SF4975-R/AL	Functional unit NEURO VARIO-SPRING, left medial or right lateral

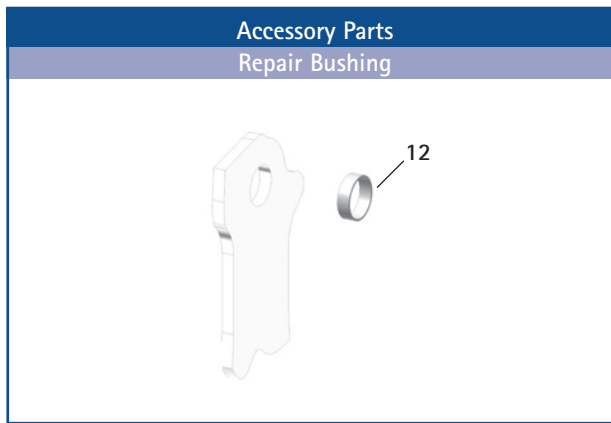
* Sliding Washers

	Article number for system width		
	14mm	16mm	20mm
Ø = 20mm	Ø = 22mm	Ø = 26mm	
GS2009-040	GS2210-040	GS2611-040	
GS2009-045	GS2210-045	GS2611-045	
GS2009-050	GS2210-050	GS2611-050	
GS2009-055	GS2210-055	GS2611-055	
GS2009-060	GS2210-060	GS2611-060	

The last three digits of the article number stand for the thickness of the sliding washer e.g. GS1407-040. The thickness of this sliding washer is 0.40mm. In total, the sliding washers are available in five different thicknesses. The thickness of a sliding washer is indicated by the markings. For example, a sliding washer with two grooves is 0.40mm thick, whereas a sliding washer with one notch is 0.55mm thick.



➔ You will find system side bars and system anchors on catalogue page F1ff.
You will find system stirrups on catalogue page B30.8.



Accessory Parts				
Item	Article number for system width			Description
	14mm	16mm	20mm	
12	BR1009-L025*	BR1110-L030*	BR1211-L030*	Repair bushing*

* You will find special reaming tools on catalogue page G11.

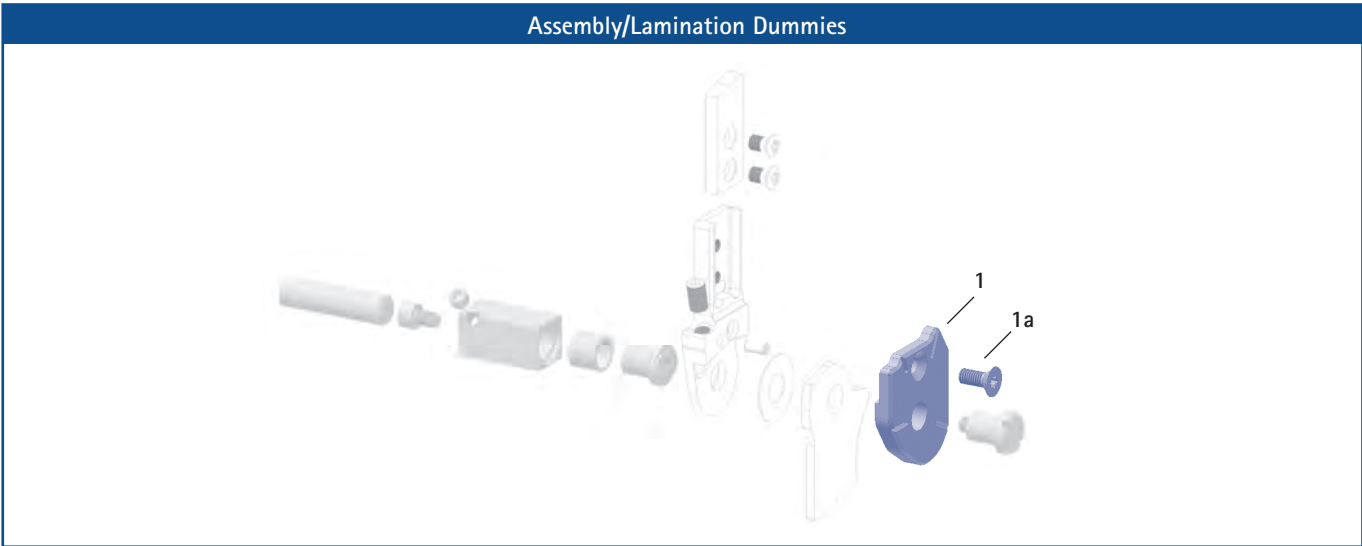
NEURO SPRING

NEURO CLASSIC-SWING

NEURO VARIO-SPRING

NEURO SWING

NEURO SWING H₂O



Assembly/Lamination Dummies

Item	Article number for system width			Description	Unit
	14mm	16mm	20mm		
1	SF0942-L	SF0943-L	SF0945-L	Assembly/lamination dummy, left lateral or right medial (1 dummy with screw)	Piece
1	SF0942-R	SF0943-R	SF0945-R	Assembly/lamination dummy, left medial or right lateral (1 dummy with screw)	Piece
1a	SC1405-L12	SC1405-L12	SC1405-L12	Countersunk flat head screw, hexalobular socket	Piece

- ➔ Assembly/lamination dummies are included in the scope of delivery of the system joints.
- ➔ You will find an overview of our tools on catalogue page G1ff.



Rivet stirrup



Lamination/prepreg stirrup



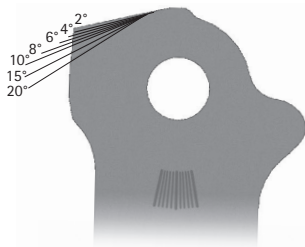
Thermoformage stirrup

General Measures of System Stirrups

Measure [mm]	System width		
	14mm	16mm	20mm
Thickness	2.5	3.0	3.0
Neck width	23.2	26.6	30.8
Bore hole diameter	8.5	9.6	10.5

System Stirrups

Description		Unit	Article number and measures for system width		
			14mm	16mm	20mm
Rivet stirrup	Article number	Piece	FB4082-ST/4	FB4093-ST/4	FB4095-ST/5
Is riveted to the foot piece	Length from the middle of the bore hole [mm]		125	145	165
	Weight [g]		67	106	134
Lamination/prepreg stirrup	Article number	Piece	FB4182-ST/1	FB4193-ST/1	FB4195-ST/1
Is embedded into the foot piece when laminating/embedded into prepreg materials	Length from the middle of the bore hole [mm]		51	59	69
	Weight [g]		32	52	68
Thermoformage stirrup	Article number	Piece	FB4282-ST/2	FB4293-ST/2	FB4295-ST/3
Is embedded into thermoformable plastics; can also be embedded when laminating	Length from the middle of the bore hole [mm]		62	68	74
	Weight [g]		32	50	61



- ➔ The system stirrup is marked with lines in the head area which serve as orientation for precisely filling the stirrup to the desired dorsiflexion stop.
- ➔ Range of motion in plantar flexion up to a maximum of 30°
- ➔ The system stirrup is marked with lines in the neck area in order to read the joint angle.



Product Information

- ➔ Brings the patient into an upright position
- ➔ Stabilises the patient when walking and standing
- ➔ Controls and supports the motion in dorsiflexion with an integrated foot lifter and a controlled, dynamic foot dropping in plantar flexion as well as it controls the forward progression of the lower leg and affects the knee flexion during loading response
- ➔ Adjustable alignment of the orthosis
- ➔ Variable spring force by exchangeable spring units
- ➔ Adjustable range of motion in plantar flexion and dorsiflexion

All adjustments can be changed separately and do not influence each other.

Further Sources of Information

Source of information	Article number	Link
Manual	PB5000-SF	www.fior-gentz.com
CP Guide	PR0221-GB	
Apoplexy Guide	PR0224-GB	
NEURO SWING leaflet	PR0222-GB	
Production techniques	-	

System Ankle Joint Function



without
foot lifter



with
foot lifter



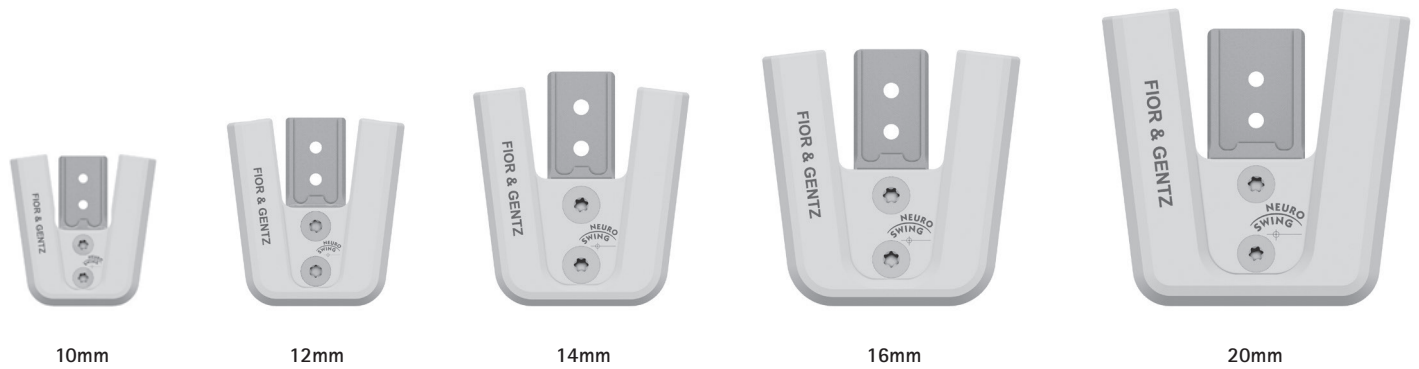
NEURO SPRING

NEURO CLASSIC-SWING

NEURO VARIO-SPRING

NEURO SWING

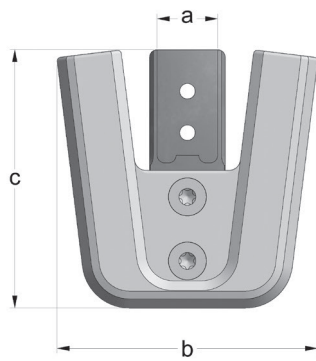
NEURO SWING H₂O



Joint Dimensions [mm]						
Dimension	Description	System width a				
		10mm	12mm	14mm	16mm	20mm
b	Joint head width	38.8	47.3	57.5	68.9	82.1
c	Joint height	40.4	50.3	62.5	68.5	79.4
	Joint head thickness	10.0	12.0	14.0	17.0	20.0

Joint Weight* [g]						
Material	Unit	System width				
		10mm	12mm	14mm	16mm	20mm
Steel	Piece	34	58	92	143	215
Titanium	Piece	-	49	78	124	186

* without spring units



The NEURO SWING system ankle joint is delivered with the following articles:

- Cover plate pressing aid
- AGOMET F330, 5g
- Orthosis joint grease, 3g
- Assembly/lamination dummy

→ Spring units, shaping dummy, system stirrups and system side bars/anchors have to be ordered separately.
 You will find spring units on catalogue page B40.6.
 You will find the shaping dummy on catalogue page B40.7.
 You will find system stirrups on catalogue page B40.8.
 You will find system side bars/anchors on catalogue page F1ff.



Straight
Fig. 1



Bent inwards
Fig. 2



Bent outwards
Fig. 3

Straight (fig. 1)

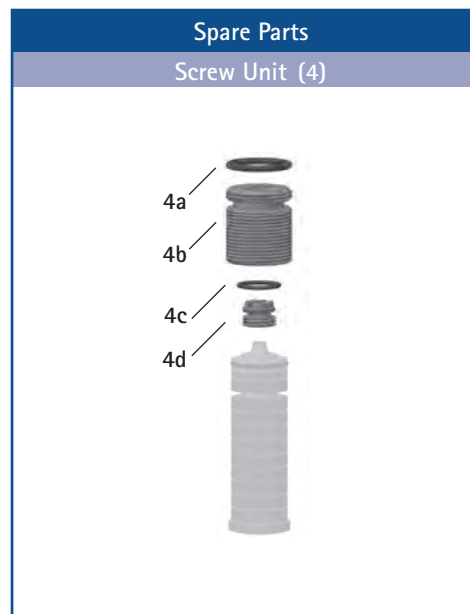
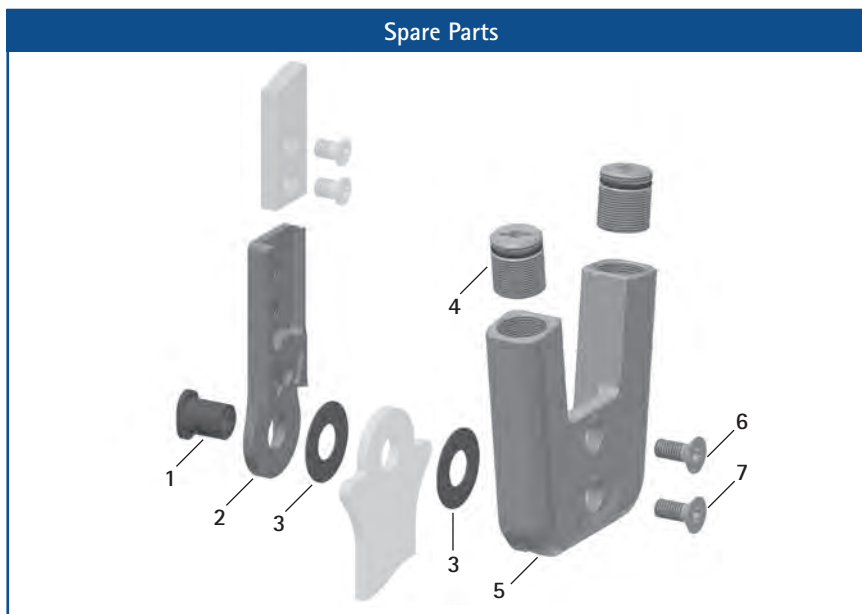
Material	Leg	Unit	Article number for system width				
			10mm	12mm	14mm	16mm	20mm
Steel	Left or right	Piece	SF5200-ST/LR	SF5201-ST/LR	SF5202-ST/LR	SF5203-ST/LR	SF5205-ST/LR
Titanium	Left or right	Piece	-	SF5201-TI/LR	SF5202-TI/LR	SF5203-TI/LR	SF5205-TI/LR

Bent Inwards (fig. 2)

Material	Leg	Unit	Article number for system width				
			10mm	12mm	14mm	16mm	20mm
Steel	Left or right	Piece	SF5220-ST/LR	SF5221-ST/LR	SF5222-ST/LR	SF5223-ST/LR	SF5225-ST/LR
Titanium	Left or right	Piece	-	SF5221-TI/LR	SF5222-TI/LR	SF5223-TI/LR	SF5225-TI/LR

Bent Outwards (fig. 3)

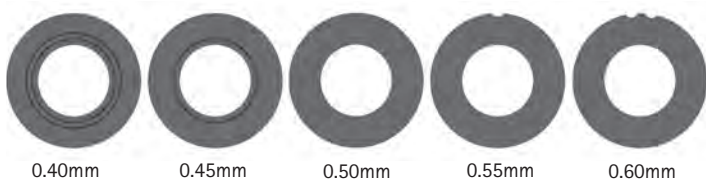
Material	Leg	Unit	Article number for system width				
			10mm	12mm	14mm	16mm	20mm
Steel	Left or right	Piece	SF5240-ST/LR	SF5241-ST/LR	SF5242-ST/LR	SF5243-ST/LR	SF5245-ST/LR
Titanium	Left or right	Piece	-	SF5241-TI/LR	SF5242-TI/LR	SF5243-TI/LR	SF5245-TI/LR



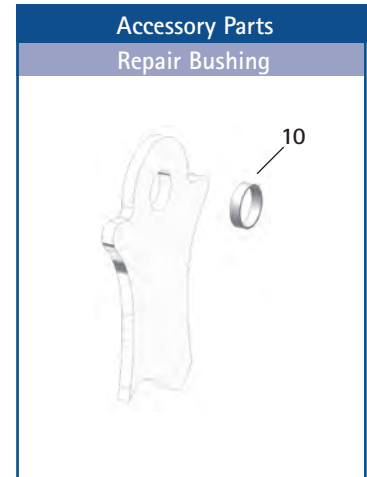
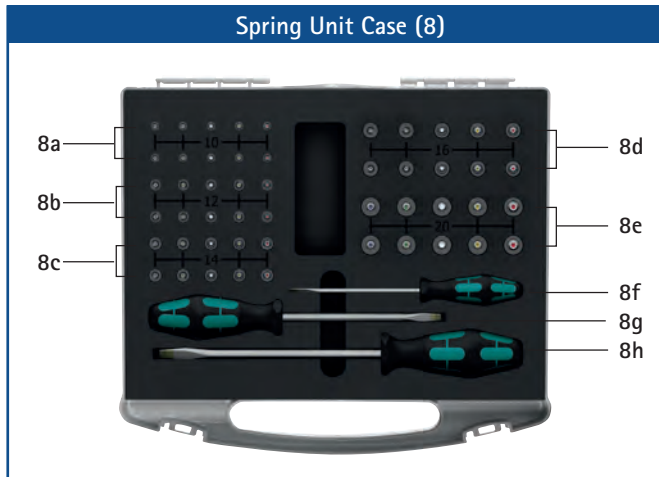
Spare Parts						
Item	Article number for system width					Description
	10mm	12mm	14mm	16mm	20mm	
1	SB6039-L0530	SB7049-L0540	SB8559-L0580	SB9669-L0710	SB1069-L0810	Bearing nuts
2	SF0310-ST	SF0311-ST	SF0312-ST	SF0313-ST	SF0315-ST	Upper part, straight, steel
2	-	SF0311-TI	SF0312-TI	SF0313-TI	SF0315-TI	Upper part, straight, titanium
2	SF0330-ST	SF0331-ST	SF0332-ST	SF0333-ST	SF0335-ST	Upper part, bent inwards, steel
2	-	SF0331-TI	SF0332-TI	SF0333-TI	SF0335-TI	Upper part, bent inwards, titanium
2	SF0330-8/ST	SF0331-8/ST	SF0332-8/ST	SF0333-8/ST	SF0335-8/ST	Upper part, bent outwards, steel
2	-	SF0331-8/TI	SF0332-8/TI	SF0333-8/TI	SF0335-8/TI	Upper part, bent outwards, titanium
3	GS1206-*	GS1407-*	GS2009-*	GS2210-*	GS2611-*	Sliding washer*
4	SC9609-L13	SC9611-L14	SC9612-L15	SC9614-L17	SC9618-L17	Screw unit
4a	VE3771-06/11	VE3771-08/15	VE3771-09/15	VE3771-11/15	VE3771-15/15	O-ring for securing alignment screw
4b	SC9609-L13/S	SC9611-L14/S	SC9612-L15/S	SC9614-L17/S	SC9618-L17/S	Alignment screw, steel
4c	VE3771-03/10	VE3771-04/10	VE3771-04/10	VE3771-04/10	VE3771-07/10	O-ring for securing motion limiting screw
4d	SC9606-L05	SC9607-L06	SC9607-L06	SC9607-L06	SC9611-L06	Motion limiting screw
5	SF0560-AL	SF0561-AL	SF0562-AL	SF0563-AL	SF0555-AL	Cover plate
6	SC1403-L08	SC1404-L10	SC1405-L11	SC1405-L12	SC1405-L12	Countersunk flat head screw, hexalobular socket
7	SC1403-L08	SC1404-L10	SC1405-L11	SC1405-L12	SC1406-L12	Countersunk flat head screw, hexalobular socket (axle screw)

* Sliding Washers					
10mm	Article number for system width				
	12mm	14mm	16mm	20mm	
Ø = 12mm	Ø = 14mm	Ø = 20mm	Ø = 22mm	Ø = 26mm	
GS1206-040	GS1407-040	GS2009-040	GS2210-040	GS2611-040	
GS1206-045	GS1407-045	GS2009-045	GS2210-045	GS2611-045	
GS1206-050	GS1407-050	GS2009-050	GS2210-050	GS2611-050	
GS1206-055	GS1407-055	GS2009-055	GS2210-055	GS2611-055	
GS1206-060	GS1407-060	GS2009-060	GS2210-060	GS2611-060	

The last three digits of the article number stand for the thickness of the sliding washer e.g. GS1407-040. The thickness of this sliding washer is 0.40mm. In total, the sliding washers are available in five different thicknesses. The thickness of a sliding washer is indicated by the markings. For example, a sliding washer with two grooves is 0.40mm thick, whereas a sliding washer with one notch is 0.55mm thick.



→ You will find system side bars and system anchors on catalogue page F1ff.
You will find system stirrups on catalogue page B40.8.



Item	Article number	Description
8	SF5800	1 x spring unit set in a case with tools
Without fig.	SF5800-0	1 x spring unit case for filling by yourself, with tools (without spring units)
8a	See table Spring Units	2 x of each blue, green, white, yellow and red spring unit for NEURO SWING 10mm
8b	See table Spring Units	2 x of each blue, green, white, yellow and red spring unit for NEURO SWING 12mm
8c	See table Spring Units	2 x of each blue, green, white, yellow and red spring unit for NEURO SWING 14mm
8d	See table Spring Units	2 x of each blue, green, white, yellow and red spring unit for NEURO SWING 16mm
8e	See table Spring Units	2 x of each blue, green, white, yellow and red spring unit for NEURO SWING 20mm
8f	WZ5703-3513	1 x slotted screwdriver 0.6 x 3.5 x 125mm
8g	WZ5703-6513	1 x slotted screwdriver 1.2 x 6.5 x 130mm
8h	WZ5703-8018	1 x slotted screwdriver 1.2 x 8 x 175mm

Spring Units (you need two of the following spring units for one NEURO SWING system ankle joint):						
Article number for system width					Description	Unit
10mm	12mm	14mm	16mm	20mm		
SF5800-15/02	SF5801-15/03	SF5802-15/05	SF5803-15/07	SF5805-15/18*	Spring unit, blue, normal, max. 15° range of motion	Piece
SF5800-15/04	SF5801-15/06	SF5802-15/11	SF5803-15/15	SF5805-15/25*	Spring unit, green, medium, max. 15° range of motion	Piece
SF5800-10/06	SF5801-10/12	SF5802-09/16	SF5803-10/21	SF5805-10/40*	Spring unit, white, strong, max. 10° range of motion	Piece
SF5800-10/09	SF5801-10/19	SF5802-10/29	SF5803-10/31	SF5805-10/60*	Spring unit, yellow, very strong, max. 10° range of motion	Piece
SF5800-05/17	SF5801-05/33	SF5802-05/53	SF5803-05/63	SF5805-05/99*	Spring unit, red, extra strong, max. 5° range of motion	Piece

* For all 20mm system joints that you have purchased before May 2016, you need the spring unit for the 16mm system width!

Spare Parts Spring Units						
Item	Article number for system width					Description
	10mm	12mm	14mm	16mm	20mm	
9	VE3771-045/10	VE3771-06/10	VE3771-07/10	VE3771-08/10	VE3771-11/10	O-ring for fixation of spring unit

Spring Unit Weights [g]						
Spring unit	Article number	System width				
		10mm	12mm	14mm	16mm	20mm
Spring unit, blue, normal, max. 15° range of motion	See table Spring Units	2.9	5.7	6.6	10.8	32.5
Spring unit, green, medium, max. 15° range of motion	See table Spring Units	3.4	7.7	14.1	25.5	37.6
Spring unit, white, strong, max. 10° range of motion	See table Spring Units	3.3	8.7	17.0	26.0	48.6
Spring unit, yellow, very strong, max. 10° range of motion	See table Spring Units	3.8	8.6	17.0	30.2	56.5
Spring unit, red, extra strong, max. 5° range of motion	See table Spring Units	4.3	9.6	18.4	28.9	60.2

Accessory Parts						
Item	Article number for system width					Description
	10mm	12mm	14mm	16mm	20mm	
10	BP0706-L020**	BR0807-L020**	BR1009-L025**	BR1110-L030**	BR1211-L030**	Repair bushing**

** You will find special reaming tools on catalogue page G11.

NEURO SPRING

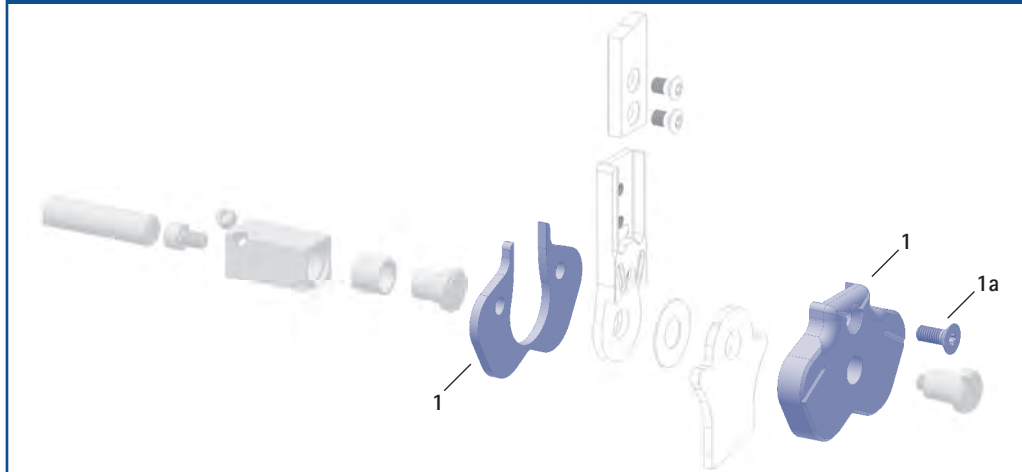
NEURO CLASSIC-SWING

NEURO VARIO-SPRING

NEURO SWING

NEURO SWING H₂O

Assembly/Lamination Dummies



Cover Plate Pressing Aid (2)



Assembly/Lamination Dummies

Item	Article number for system width					Description	Unit
	10mm	12mm	14mm	16mm	20mm		
1	SF0950-LR1	SF0951-LR1	SF0952-LR1	SF0953-LR1	SF0955-5LR1	Assembly/lamination dummy, two-parts (2 dummies with screw)	Set
1a	SC1403-L08	SC1404-L10	SC1405-L12	SC1405-L12	SC1405-L14	Countersunk flat head screw, hexalobular socket	Piece

- ➔ Assembly/lamination dummies are included in the scope of delivery of the system joints.
- ➔ You will find an overview of our tools on catalogue page G1ff.

Cover Plate Pressing Aid

Item	Article number for system width					Description	Unit
	10mm	12mm	14mm	16mm	20mm		
2	WE5000-SF	WE5001-SF	WE5002-SF	WE5002-SF	WE5002-SF	Cover plate pressing aid (pressing screw and washer)	Set

- ➔ The cover plate pressing aid is included in the scope of delivery of the system joints.

Shaping Dummy



Shaping Dummy

Item	Article number for system width					Description	Unit
	10mm	12mm	14mm	16mm	20mm		
3	SF0950-LR2	SF0951-LR2	SF0952-LR2	SF0953-LR2	SF0955-5LR2	Shaping dummy	Piece



Rivet stirrup



Lamination/prepreg stirrup



Thermoformage stirrup

General Measures of System Stirrups

Measure [mm]	System width				
	10mm	12mm	14mm	16mm	20mm
Thickness	2.0	2.0	2.5	3.0	3.0
Neck width	16.0	19.4	23.2	26.6	30.8
Bore hole diameter	6.0	7.0	8.5	9.6	10.5

System Stirrups

Description		Unit	Article number and measures for system width				
			10mm	12mm	14mm	16mm	20mm
Rivet stirrup	Article number	Piece	FB5070-ST/3	FB5071-ST/3	FB5082-ST/4	FB5093-ST/4	FB5015-ST/5
Is riveted to the foot piece	Length from the middle of the bore hole [mm]		105	113	125	145	165
	Weight [g]		32	41	68	109	139
Lamination/prepreg stirrup	Article number	Piece	FB5170-ST/1	FB5171-ST/1	FB5182-ST/1	FB5193-ST/1	FB5115-ST/1
Is embedded into the foot piece when laminating/ embedded into prepreg materials	Length from the middle of the bore hole [mm]		29	41	55	65	69
	Weight [g]		8	14	30	51	68
Thermoformage stirrup	Article number	Piece	FB5270-ST/2	FB5271-ST/2	FB5282-ST/2	FB5293-ST/2	FB5215-ST/3
Is embedded into thermoformable plastics; can also be embedded when laminating	Length from the middle of the bore hole [mm]		50	55	62	68	74
	Weight [g]		14	19	33	52	64



→ The system stirrup is marked with lines in the neck area in order to read the joint angle.



Product Information

- ➔ Waterproof system ankle joint made of carbon fibre reinforced plastics
- ➔ Joint for dynamic balance
- ➔ Stabilises the patient when walking and standing
- ➔ Controls and supports the motion in dorsiflexion with an integrated foot lifter and a controlled, dynamic foot dropping in plantar flexion as well as it controls the forward progression of the lower leg and affects the knee flexion during loading response
- ➔ Adjustable alignment of the orthosis
- ➔ Variable spring force by exchangeable spring units

All adjustments can be changed separately and do not influence each other.

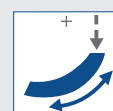
Further Sources of Information

Source of information	Article number	Link
Manual	PB5000-C/SF	www.fior-gentz.com
Leaflet	PR0230-GB	
CP Guide	PR0221-GB	
Apoplexy Guide	PR0224-GB	
Production techniques	-	

System Ankle Joint Function



without
foot lifter



with
foot lifter



NEURO SPRING

NEURO CLASSIC-SWING

NEURO VARIO-SPRING

NEURO SWING

NEURO SWING H₂O



14mm



16mm



20mm

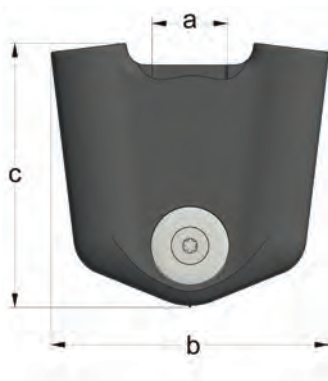
Joint Dimensions [mm]

Dimension	Description	System width a		
		14mm	16mm	20mm
b	Joint head width	60.3	74.3	84.3
c	Joint height	57.9	70.6	83.1
	Joint head thickness	17.0	20.0	22.5

Joint Weight* [g]

Material	Unit	System width		
		14mm	16mm	20mm
Carbon	Piece	37	70	104

* without spring units



The NEURO SWING H₂O system ankle joint is delivered with the following articles:

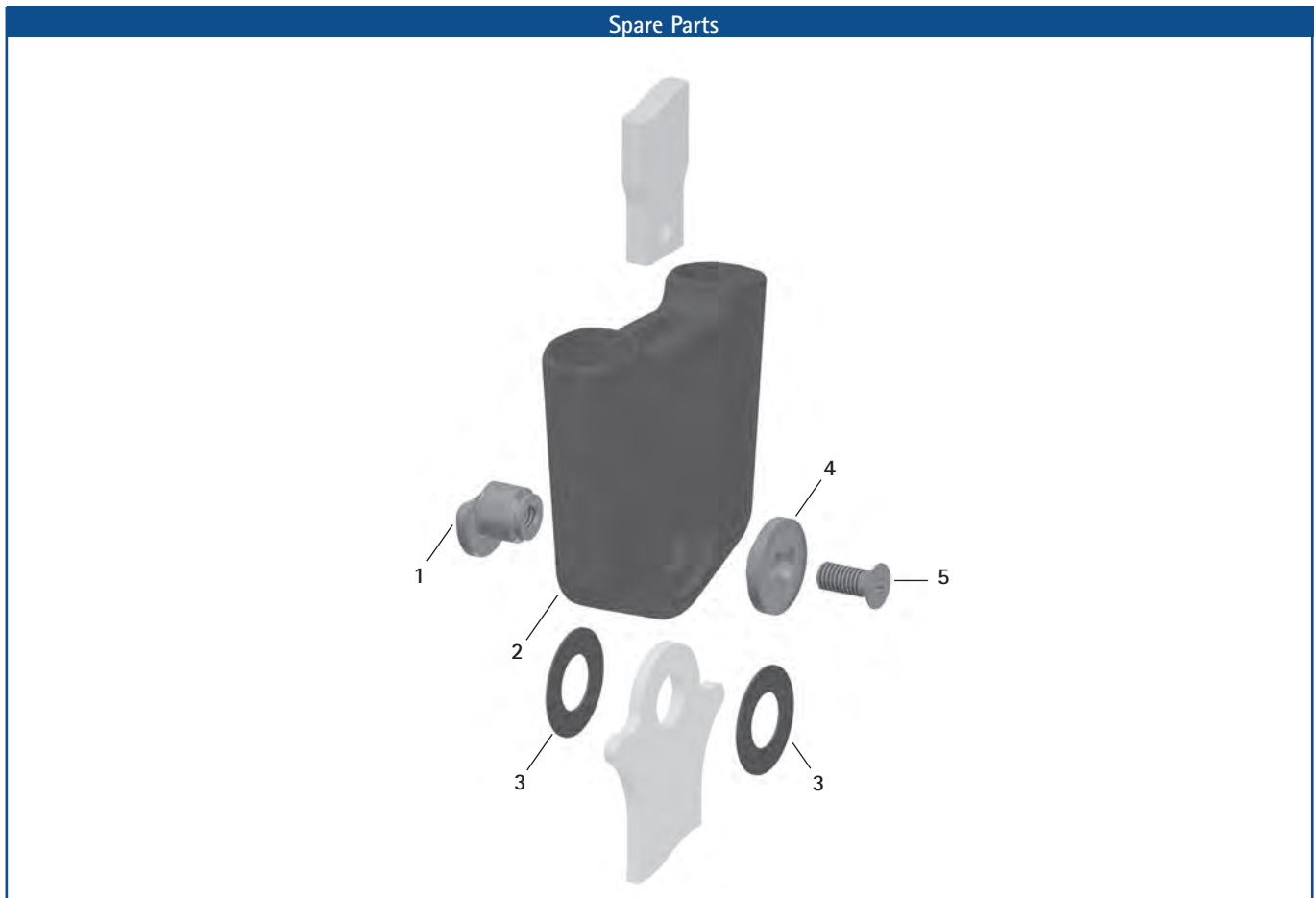
- Set 2-component adhesive and primer
- Orthosis joint grease, 3g
- Assembly/lamination dummy

- ➔ Spring units, system stirrups and system anchors have to be ordered separately.
 - You will find spring units on catalogue page B50.6.
 - You will find system stirrups on catalogue page B50.8.
 - You will find special system anchors for the NEURO SWING H₂O on catalogue page F9ff.



Straight
Fig. 1

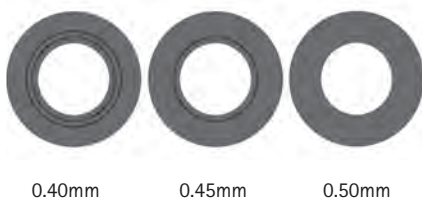
Straight (fig. 1)					
Material	Leg	Unit	Article number for system width		
			14mm	16mm	20mm
Carbon	Left or right	Piece	SF5202-C/LR	SF5203-C/LR	SF5205-C/LR



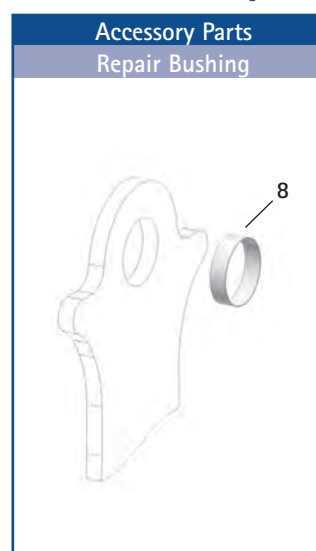
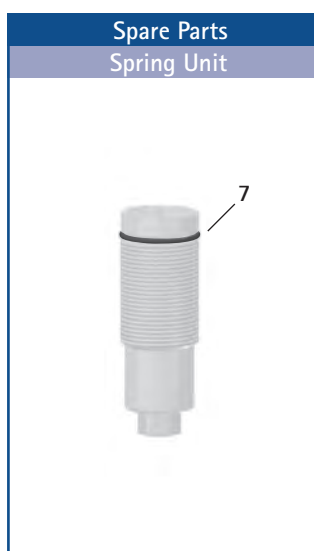
Spare Parts				
Item	Article number for system width			Description
	14mm	16mm	20mm	
1	SF0592-C/1	SF0593-C/1	SF0595-C/1	Bearing nut
2	SF0502-C	SF0503-C	SF0505-C	Joint case
3	GS1911-*	GS2413-*	GS2815-*	Sliding washer*
4	SF0592-C/2	SF0593-C/2	SF0595-C/2	Cover disc
5	SC1405-L11	SC1406-L14	SC1406-L14	Countersunk flat head screw, hexalobular socket

* Sliding Washers			
	Article number for system width		
	14mm	16mm	20mm
	Ø = 20mm	Ø = 22mm	Ø = 26mm
	GS1911-040	GS2413-040	GS2815-040
	GS1911-045	GS2413-045	GS2815-045
	GS1911-050	GS2413-050	GS2815-050

The last three digits of the article number stand for the thickness of the sliding washer e.g. GS1407-040. The thickness of this sliding washer is 0.40mm. In total, the sliding washers are available in five different thicknesses. The thickness of a sliding washer is indicated by the markings. For example, a sliding washer with two grooves is 0.40mm thick, whereas a sliding washer with one notch is 0.55mm thick.



→ You will find system anchors on catalogue page F9ff.
 You will find system stirrups on catalogue page B50.8.



Spring Unit Case		
Item	Article number	Description
6	SF5800-C	1 x spring unit set in a case with tools
Without fig.	SF5800-C/0	1 x spring unit case for filling by yourself, with tools (without spring units)
6a	See table Spring Units	2 x of each blue, green, white, yellow and red spring units for NEURO SWING H ₂ O 14mm
6b	See table Spring Units	2 x of each blue, green, white, yellow and red spring units for NEURO SWING H ₂ O 16mm
6c	See table Spring Units	2 x of each blue, green, white, yellow and red spring units for NEURO SWING H ₂ O 20mm
6d	WZ5703-6513	1 x slotted screwdriver 1.2 x 6.5 x 175mm
6e	WZ5703-8018	1 x slotted screwdriver 1.2 x 8 x 175mm

Spring Units (you need two of the following spring units for one NEURO SWING H ₂ O system ankle joint):				
Article number for system width			Description	Unit
14mm	16mm	20mm		
SF5802-C/15/05	SF5803-C/15/07	SF5805-C/15/18	Spring unit, blue, normal, max. 15° range of motion	Piece
SF5802-C/15/11	SF5803-C/15/15	SF5805-C/15/25	Spring unit, green, medium, max. 15° range of motion	Piece
SF5802-C/09/16	SF5803-C/10/21	SF5805-C/10/40	Spring unit, white, strong, max. 10° range of motion	Piece
SF5802-C/10/29	SF5803-C/10/31	SF5805-C/10/60	Spring unit, yellow, very strong, max. 10° range of motion	Piece
SF5802-C/05/53	SF5803-C/05/63	SF5805-C/05/99	Spring unit, red, extra strong, max. 5° range of motion	Piece

Spare Parts Spring Units				
Item	Article number for system width			Description
	14mm	16mm	20mm	
7	VE3771-100/12	VE3771-08/10	VE3771-08/10	O-ring for fixation of spring unit*

* An additional o-ring is part of the scope of delivery of the spring units.

Spring Unit Weights [g]				
Spring Unit	Article number	System width		
		14mm	16mm	20mm
Spring unit, blue, normal, max. 15° range of motion	See table Spring Units	19	31	61
Spring unit, green, medium, max. 15° range of motion	See table Spring Units	25	40	66
Spring unit, white, strong, max. 10° range of motion	See table Spring Units	29	49	78
Spring unit, yellow, very strong, max. 10° range of motion	See table Spring Units	29	45	83
Spring unit, red, extra strong, max. 5° range of motion	See table Spring Units	28	49	86

Accessory Parts				
Item	Article number for system width			Description
	14mm	16mm	20mm	
8	BR1211-L025**	BR1312-L030**	BR1514-L030**	Repair bushing**

** You will find special reaming tools on catalogue page G11.

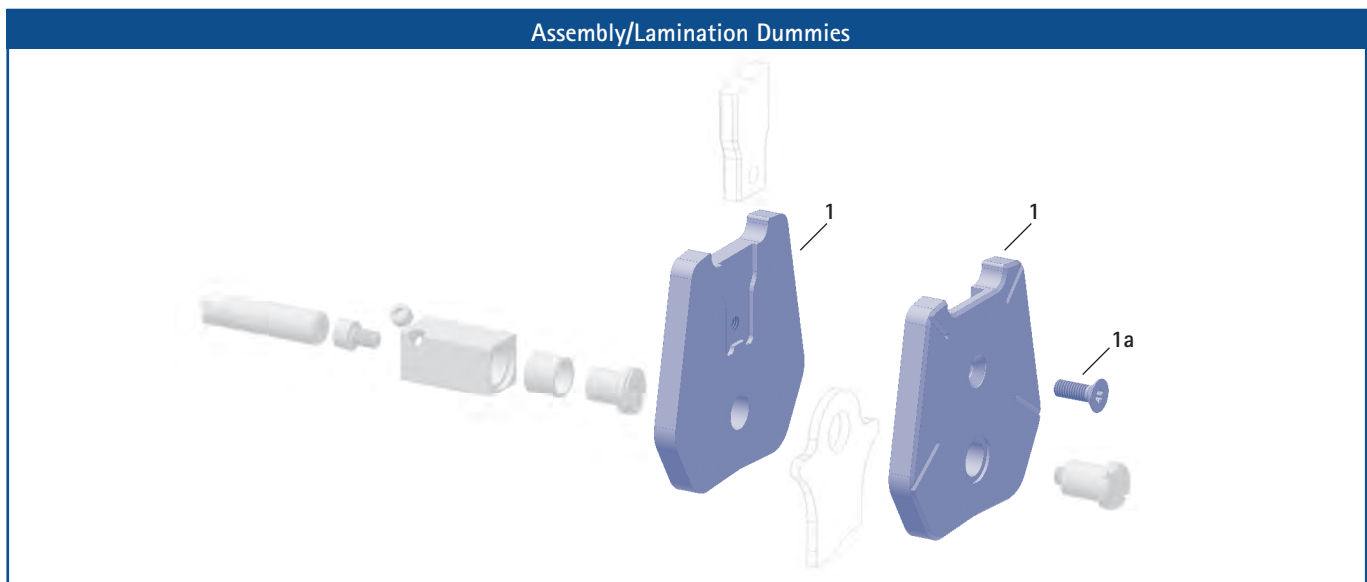
NEURO SPRING

NEURO CLASSIC-SWING

NEURO VARIO-SPRING

NEURO SWING

NEURO SWING H₂O



Assembly/Lamination Dummies					
Item	Article number for system width			Description	Unit
	14mm	16mm	20mm		
1	SF0952-C/LR1	SF0953-C/LR1	SF0955-C/LR1	Assembly/lamination dummy, two-parts (2 dummies with screw)	Set
1a	SC1405-L11	SC1406-L14	SC1406-L14	Countersunk flat head screw, hexalobular socket	Piece

- ➔ Assembly/lamination dummies are included in the scope of delivery of the system joints.
- ➔ You will find an overview of our tools on catalogue page G1ff.



Rivet stirrup



Lamination/prepreg stirrup



Thermoformage stirrup

General Measures of System Stirrups

Measure [mm]	System width		
	14mm	16mm	20mm
Thickness	2.5	3.0	3.0
Neck width	23.2	26.6	30.8
Bore hole diameter	10.5	12.0	14.0

System Stirrups

Description	Unit	Article number and measures for system width		
		14mm	16mm	20mm
Rivet stirrup	Piece	FB5082-C/ST/4	FB5093-C/ST/4	FB5095-C/ST/5
Is riveted to the foot piece	Length from the middle of the bore hole [mm]	125	145	165
	Weight [g]	66	111	139
Lamination/prepreg stirrup	Piece	FB5182-C/ST/1	FB5193-C/ST/1	FB5195-C/ST/1
Is embedded into the foot piece when laminating/embedded into prepreg materials	Length from the middle of the bore hole [mm]	50.7	58.9	69.3
	Weight [g]	30	51	68
Thermoformage stirrup	Piece	FB5282-C/ST/2	FB5293-C/ST/2	FB5295-C/ST/3
Is embedded into thermoformable plastics; can also be embedded when laminating	Length from the middle of the bore hole [mm]	62	68	74
	Weight [g]	32	51	64



→ The system stirrup is marked with lines in the neck area in order to read the joint angle.

NEURO CLASSIC

zero



Product Information

Basic function at delivery status:

- ➔ Free moving, monocentric joint to control and support the motion
- ➔ Joint preassembled in a physiological joint angle of 5°
- ➔ Damped extension stop
- ➔ Small posterior offset

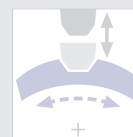
Further Sources of Information

Source of information	Article number	Link
Manual	PB1000-SJ	www.fior-gentz.com
Production techniques	-	

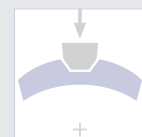
System Knee Joint Function



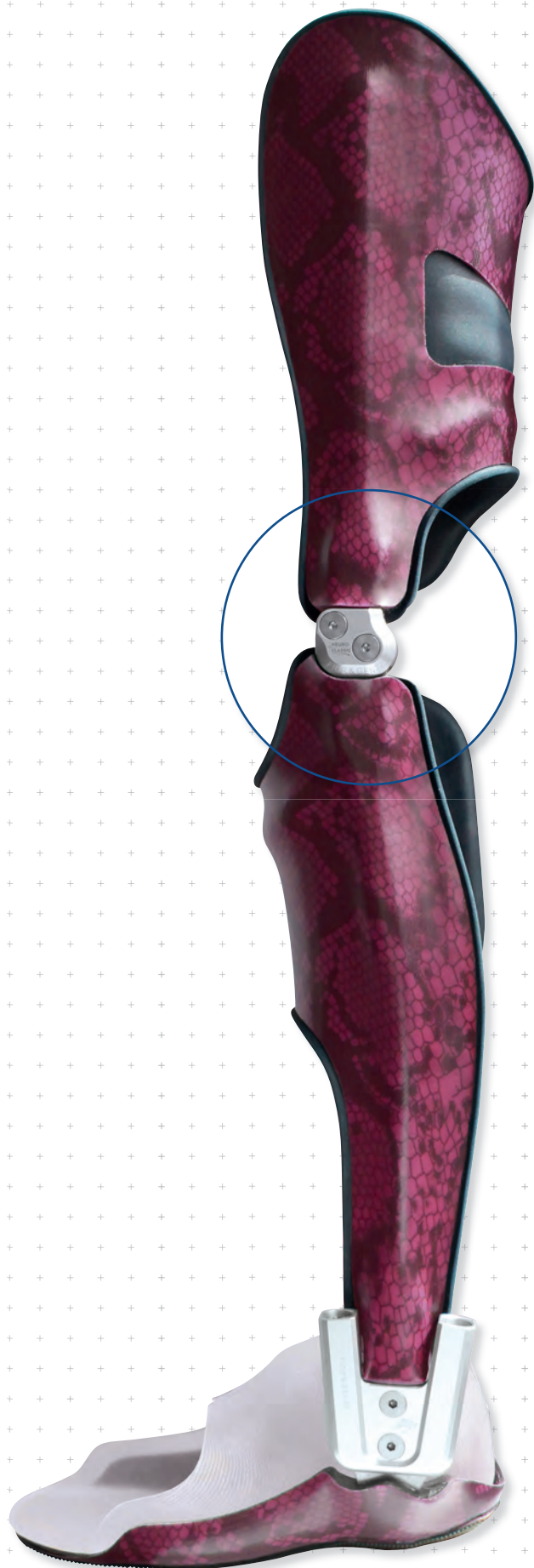
free moving



automatic



locked



NEURO CLASSIC zero

NEURO VARIO zero

NEURO CLASSIC

NEURO VARIO

NEURO ACTIVE
SYSTEM JOINT

NEURO ACTIVE
ARTICULATED SYSTEM SIDE BAR



12mm



14mm



16mm



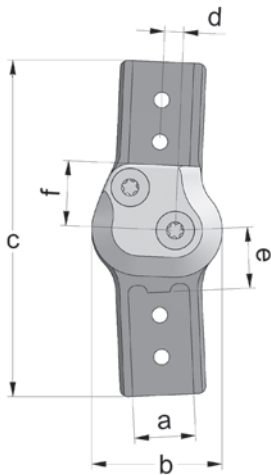
20mm

Joint Dimensions [mm]

Dimension	Description	System width a			
		12mm	14mm	16mm	20mm
b	Joint head width	25.5	29.0	34.0	41.0
c	Joint height	66.0	76.0	88.2	99.1
d	Posterior offset	3.0	4.0	5.0	7.0
e	Dist. pivot point - lower system case	13.2	14.0	16.0	18.5
f	Dist. pivot point - upper system case	13.0	14.0	17.0	19.0
	Joint head thickness	13.1	13.0	13.7	14.3

Joint Weights [g]

Material	Unit	System width			
		12mm	14mm	16mm	20mm
Steel	Piece	57	78	117	180
Titanium	Piece	38	52	75	112



The NEURO CLASSIC zero system knee joint is delivered with the following articles:

Description
AGOMET F330, 5g
Orthosis joint grease, 3g
Assembly/lamination dummy

➔ System side bars/anchors have to be ordered separately.
You will find system side bars/anchors on catalogue page F1ff.



Straight
Fig. 1



Bent inwards distally
Fig. 2



Bent outwards distally
Fig. 3



Bent inwards
proximally and distally
Fig. 4



Bent outwards
proximally and distally
Fig. 5

Straight (fig. 1)

Material	Leg side	Unit	Article number for system width			
			12mm	14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SJ1001-L/ST	SJ1002-L/ST	SJ1103-L/ST	SJ1105-L/ST
	Left medial or right lateral	Piece	SJ1001-R/ST	SJ1002-R/ST	SJ1103-R/ST	SJ1105-R/ST
Titanium	Left lateral or right medial	Piece	SJ1001-L/TI	SJ1002-L/TI	SJ1103-L/TI	SJ1105-L/TI
	Left medial or right lateral	Piece	SJ1001-R/TI	SJ1002-R/TI	SJ1103-R/TI	SJ1105-R/TI

Bent Inwards Distally (fig. 2)

Material	Leg side	Unit	Article number for system width			
			12mm	14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SJ1071-L/ST	SJ1072-L/ST	SJ1173-L/ST	SJ1175-L/ST
	Left medial or right lateral	Piece	SJ1071-R/ST	SJ1072-R/ST	SJ1173-R/ST	SJ1175-R/ST
Titanium	Left lateral or right medial	Piece	SJ1071-L/TI	SJ1072-L/TI	SJ1173-L/TI	SJ1175-L/TI
	Left medial or right lateral	Piece	SJ1071-R/TI	SJ1072-R/TI	SJ1173-R/TI	SJ1175-R/TI

Bent Outwards Distally (fig. 3)

Material	Leg side	Unit	Article number for system width			
			12mm	14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SJ1091-L/ST	SJ1092-L/ST	SJ1193-L/ST	SJ1195-L/ST
	Left medial or right lateral	Piece	SJ1091-R/ST	SJ1092-R/ST	SJ1193-R/ST	SJ1195-R/ST
Titanium	Left lateral or right medial	Piece	SJ1091-L/TI	SJ1092-L/TI	SJ1193-L/TI	SJ1195-L/TI
	Left medial or right lateral	Piece	SJ1091-R/TI	SJ1092-R/TI	SJ1193-R/TI	SJ1195-R/TI

Bent Inwards Proximally and Distally (fig. 4)

Material	Leg side	Unit	Article number for system width			
			12mm	14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SJ1021-L/ST	SJ1022-L/ST	SJ1123-L/ST	SJ1125-L/ST
	Left medial or right lateral	Piece	SJ1021-R/ST	SJ1022-R/ST	SJ1123-R/ST	SJ1125-R/ST
Titanium	Left lateral or right medial	Piece	SJ1021-L/TI	SJ1022-L/TI	SJ1123-L/TI	SJ1125-L/TI
	Left medial or right lateral	Piece	SJ1021-R/TI	SJ1022-R/TI	SJ1123-R/TI	SJ1125-R/TI

Bent Outwards Proximally and Distally (fig. 5)

Material	Leg side	Unit	Article number for system width			
			12mm	14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SJ1081-L/ST	SJ1082-L/ST	SJ1083-L/ST	SJ1085-L/ST
	Left medial or right lateral	Piece	SJ1081-R/ST	SJ1082-R/ST	SJ1083-R/ST	SJ1085-R/ST
Titanium	Left lateral or right medial	Piece	SJ1081-L/TI	SJ1082-L/TI	SJ1083-L/TI	SJ1085-L/TI
	Left medial or right lateral	Piece	SJ1081-R/TI	SJ1082-R/TI	SJ1083-R/TI	SJ1085-R/TI

NEURO CLASSIC zero

NEURO VARIO zero

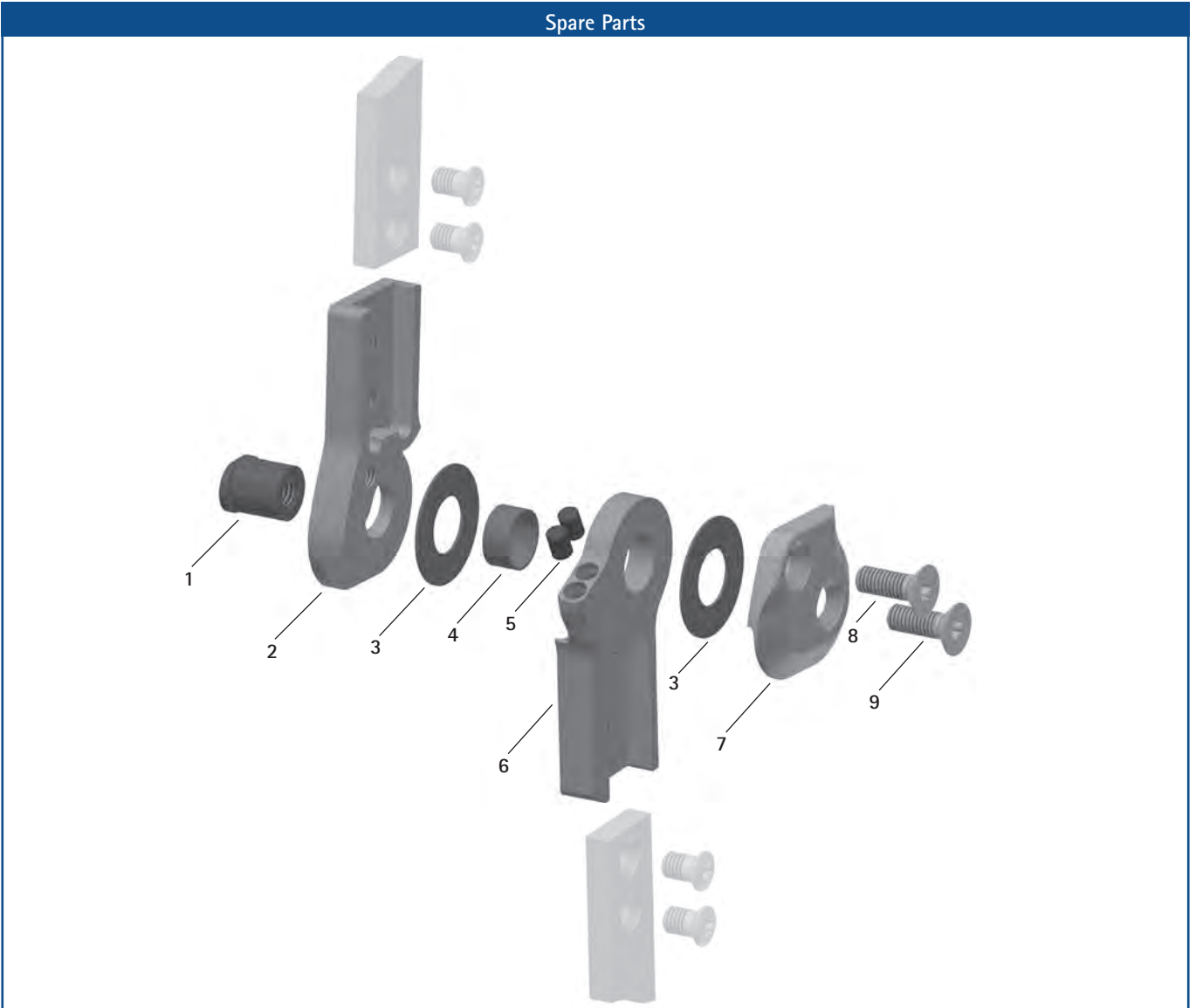
NEURO CLASSIC

NEURO VARIO

NEURO ACTIVE
SYSTEM JOINT

NEURO ACTIVE
ARTICULATED SYSTEM SIDE BAR

Spare Parts

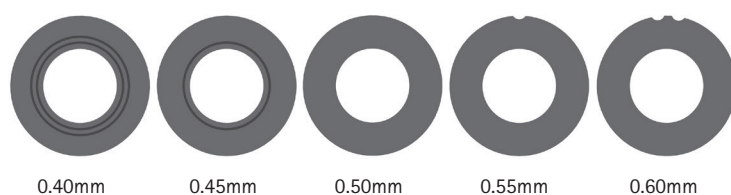


Spare Parts					
Item	Article number for system width				Description
	12mm	14mm	16mm	20mm	
1	SB8559-L0840	SB9669-L0840	SB1069-L0960	SB1069-L1020	Bearing nut
2	SJ0101-2L/ST	SJ0102-2L/ST	SJ0103-2L/ST	SJ0105-2L/ST	5° upper part, left lateral or right medial, straight, steel
2	SJ0101-2R/ST	SJ0102-2R/ST	SJ0103-2R/ST	SJ0105-2R/ST	5° upper part, left medial or right lateral, straight, steel
2	SJ0101-2L/TI	SJ0102-2L/TI	SJ0103-2L/TI	SJ0105-2L/TI	5° upper part, left lateral or right medial, straight, titanium
2	SJ0101-2R/TI	SJ0102-2R/TI	SJ0103-2R/TI	SJ0105-2R/TI	5° upper part, left medial or right lateral, straight, titanium
2	SJ0121-2L/ST	SJ0122-2L/ST	SJ0123-2L/ST	SJ0125-2L/ST	5° upper part, left lateral or right medial, bent inwards, steel
2	SJ0121-2R/ST	SJ0122-2R/ST	SJ0123-2R/ST	SJ0125-2R/ST	5° upper part, left medial or right lateral, bent inwards, steel
2	SJ0121-2L/TI	SJ0122-2L/TI	SJ0123-2L/TI	SJ0125-2L/TI	5° upper part, left lateral or right medial, bent inwards, titanium
2	SJ0121-2R/TI	SJ0122-2R/TI	SJ0123-2R/TI	SJ0125-2R/TI	5° upper part, left medial or right lateral, bent inwards, titanium
2	SJ0121-9L/ST	SJ0122-9L/ST	SJ0123-9L/ST	SJ0125-9L/ST	5° upper part, left lateral or right medial, bent outwards, steel
2	SJ0121-9R/ST	SJ0122-9R/ST	SJ0123-9R/ST	SJ0125-9R/ST	5° upper part, left medial or right lateral, bent outwards, steel
2	SJ0121-9L/TI	SJ0122-9L/TI	SJ0123-9L/TI	SJ0125-9L/TI	5° upper part, left lateral or right medial, bent outwards, titanium
2	SJ0121-9R/TI	SJ0122-9R/TI	SJ0123-9R/TI	SJ0125-9R/TI	5° upper part, left medial or right lateral, bent outwards, titanium
3	GS1609-*	GS1910-*	GS2311-*	GS2611-*	Sliding washer*
4	BP1009-L050	BP1110-L050	BP1211-L055	BP1211-L060	Sliding bushing
5	PN1000-L05/5	PN1000-L05/5	PN1000-L05/5	PN1000-L05/5	Extension stop damper
6	SJ0111-L/ST	SJ0112-L/ST	SJ0113-L/ST	SJ0115-L/ST	Lower part, left lateral or right medial, straight, steel
6	SJ0111-R/ST	SJ0112-R/ST	SJ0113-R/ST	SJ0115-R/ST	Lower part, left medial or right lateral, straight, steel
6	SJ0111-L/TI	SJ0112-L/TI	SJ0113-L/TI	SJ0115-L/TI	Lower part, left lateral or right medial, straight, titanium
6	SJ0111-R/TI	SJ0112-R/TI	SJ0113-R/TI	SJ0115-R/TI	Lower part, left medial or right lateral, straight, titanium
6	SJ0131-L/ST	SJ0132-L/ST	SJ0133-L/ST	SJ0135-L/ST	Lower part, left lateral or right medial, bent inwards, steel
6	SJ0131-R/ST	SJ0132-R/ST	SJ0133-R/ST	SJ0135-R/ST	Lower part, left medial or right lateral, bent inwards, steel
6	SJ0131-L/TI	SJ0132-L/TI	SJ0133-L/TI	SJ0135-L/TI	Lower part, left lateral or right medial, bent inwards, titanium
6	SJ0131-R/TI	SJ0132-R/TI	SJ0133-R/TI	SJ0135-R/TI	Lower part, left medial or right lateral, bent inwards, titanium
6	SJ0131-8L/ST	SJ0132-8L/ST	SJ0133-8L/ST	SJ0135-8L/ST	Lower part, left lateral or right medial, bent outwards, steel
6	SJ0131-8R/ST	SJ0132-8R/ST	SJ0133-8R/ST	SJ0135-8R/ST	Lower part, left medial or right lateral, bent outwards, steel
6	SJ0131-8L/TI	SJ0132-8L/TI	SJ0133-8L/TI	SJ0135-8L/TI	Lower part, left lateral or right medial, bent outwards, titanium
6	SJ0131-8R/TI	SJ0132-8R/TI	SJ0133-8R/TI	SJ0135-8R/TI	Lower part, left medial or right lateral, bent outwards, titanium
7	SJ0151-L/AL	SJ0152-L/AL	SJ0153-L/AL	SJ0155-L/AL	Cover plate, left lateral or right medial, aluminium
7	SJ0151-R/AL	SJ0152-R/AL	SJ0153-R/AL	SJ0155-R/AL	Cover plate, left medial or right lateral, aluminium
8	SC1404-L12	SC1405-L12	SC1405-L12	SC1405-L14	Countersunk flat head screw, hexalobular socket
9	SC1405-L12	SC1405-L12	SC1406-L12	SC1406-L14	Countersunk flat head screw, hexalobular socket (axle screw)

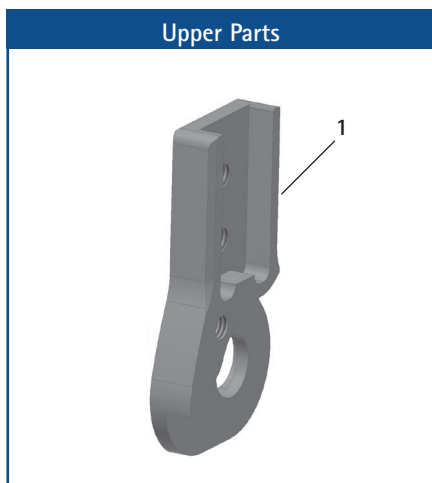
* Sliding Washers

12mm	Article number for system width		
	14mm	16mm	20mm
Ø = 16mm	Ø = 19mm	Ø = 23mm	Ø = 26mm
GS1609-040	GS1910-040	GS2311-040	GS2611-040
GS1609-045	GS1910-045	GS2311-045	GS2611-045
GS1609-050	GS1910-050	GS2311-050	GS2611-050
GS1609-055	GS1910-055	GS2311-055	GS2611-055
GS1609-060	GS1910-060	GS2311-060	GS2611-060

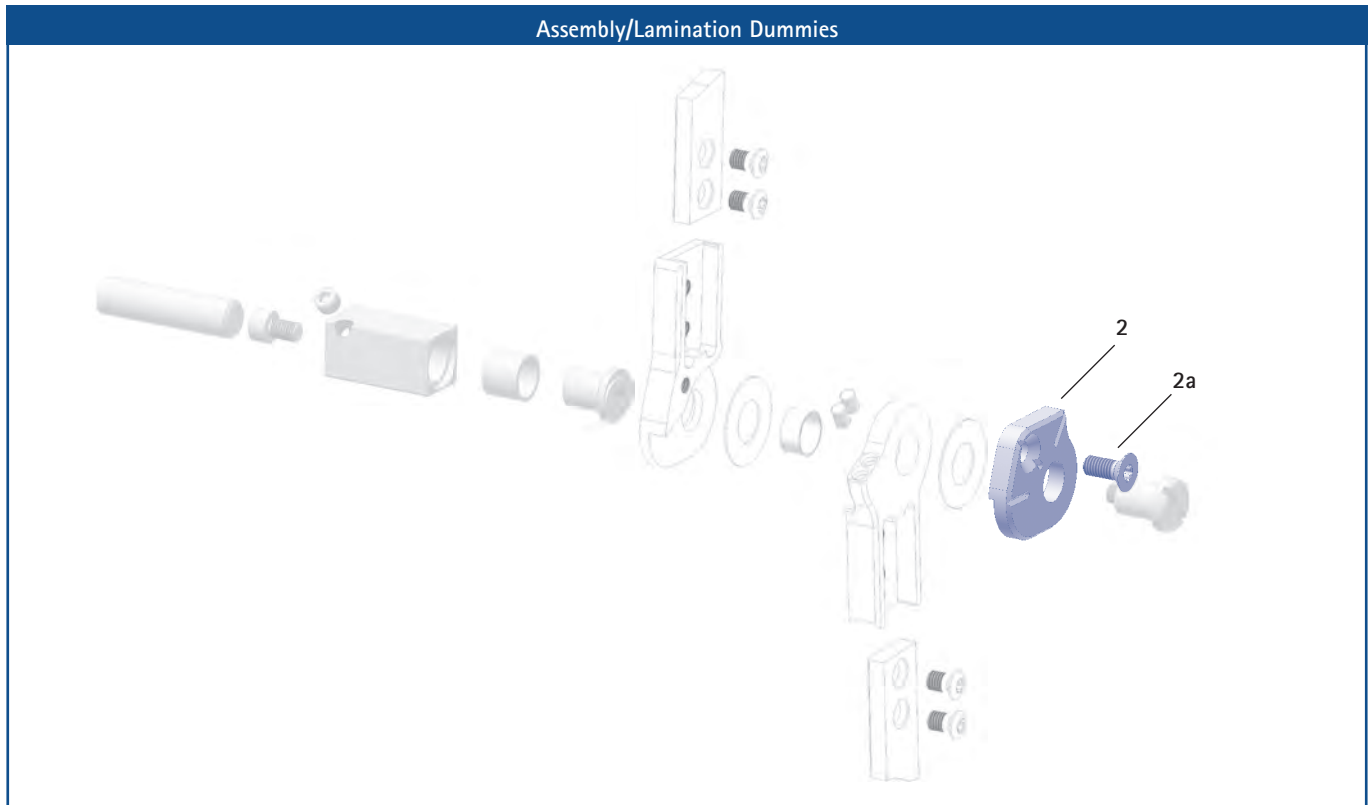
The last three digits of the article number stand for the thickness of the sliding washer e.g. GS1407-**040**. The thickness of this sliding washer is 0.40mm. In total, the sliding washers are available in five different thicknesses. The thickness of a sliding washer is indicated by the markings. For example, a sliding washer with two grooves is 0.40mm thick, whereas a sliding washer with one notch is 0.55mm thick.



➔ You will find system side bars and system anchors on catalogue page F1ff.



Upper Parts					
Item	Article number for system width				Description
	12mm	14mm	16mm	20mm	
1	SJ0101-L/ST	SJ0102-L/ST	SJ0103-L/ST	SJ0105-L/ST	0° upper part, left lateral or right medial, straight, steel
1	SJ0101-R/ST	SJ0102-R/ST	SJ0103-R/ST	SJ0105-R/ST	0° upper part, left medial or right lateral, straight, steel
1	SJ0101-L/TI	SJ0102-L/TI	SJ0103-L/TI	SJ0105-L/TI	0° upper part, left lateral or right medial, straight, titanium
1	SJ0101-R/TI	SJ0102-R/TI	SJ0103-R/TI	SJ0105-R/TI	0° upper part, left medial or right lateral, straight, titanium
1	SJ0121-L/ST	SJ0122-L/ST	SJ0123-L/ST	SJ0125-L/ST	0° upper part, left lateral or right medial, bent inwards, steel
1	SJ0121-R/ST	SJ0122-R/ST	SJ0123-R/ST	SJ0125-R/ST	0° upper part, left medial or right lateral, bent inwards, steel
1	SJ0121-L/TI	SJ0122-L/TI	SJ0123-L/TI	SJ0125-L/TI	0° upper part, left lateral or right medial, bent inwards, titanium
1	SJ0121-R/TI	SJ0122-R/TI	SJ0123-R/TI	SJ0125-R/TI	0° upper part, left medial or right lateral, bent inwards, titanium
1	SJ0121-8L/ST	SJ0122-8L/ST	SJ0123-8L/ST	SJ0125-8L/ST	0° upper part, left lateral or right medial, bent outwards, steel
1	SJ0121-8R/ST	SJ0122-8R/ST	SJ0123-8R/ST	SJ0125-8R/ST	0° upper part, left medial or right lateral, bent outwards, steel
1	SJ0121-8L/TI	SJ0122-8L/TI	SJ0123-8L/TI	SJ0125-8L/TI	0° upper part, left lateral or right medial, bent outwards, titanium
1	SJ0121-8R/TI	SJ0122-8R/TI	SJ0123-8R/TI	SJ0125-8R/TI	0° upper part, left medial or right lateral, bent outwards, titanium



Assembly/Lamination Dummies						
Item	Article number for system width				Description	Unit
	12mm	14mm	16mm	20mm		
2	SJ0911-L	SJ0912-L	SJ0913-L	SJ0915-L	Assembly/lamination dummy, left lateral or right medial (1 dummy with screw)	Piece
2	SJ0911-R	SJ0912-R	SJ0913-R	SJ0915-R	Assembly/lamination dummy, left medial or right lateral (1 dummy with screw)	Piece
2a	SC1404-L12	SC1405-L12	SC1405-L14	SC1405-L14	Countersunk flat head screw, hexalobular socket	Piece

- ➔ Assembly/lamination dummies are included in the scope of delivery of the system joints.
- ➔ You will find an overview of our tools on catalogue page G1ff.

NEURO VARIO zero



Product Information

Basic function at delivery status:

- ➔ Free moving, monocentric joint to control and support the motion
- ➔ Joint preassembled in a physiological joint angle of 5°
- ➔ Damped extension stop
- ➔ Small posterior offset

Alternative function with accessory parts:

- ➔ The range of motion in extension can be adjusted in a variety of ways through exchangeable extension stops.

Further Sources of Information

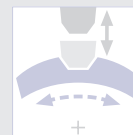
Source of information	Article number	Link
Manual	PB1400-SJ	www.fior-gentz.com
Production techniques	-	

System Knee Joint Function



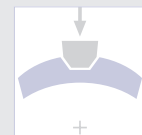
+

free moving



+

automatic



+

locked



NEURO CLASSIC zero

NEURO VARIO zero

NEURO CLASSIC

NEURO VARIO

NEURO ACTIVE
SYSTEM JOINT

NEURO ACTIVE
ARTICULATED SYSTEM SIDE BAR



12mm



14mm



16mm



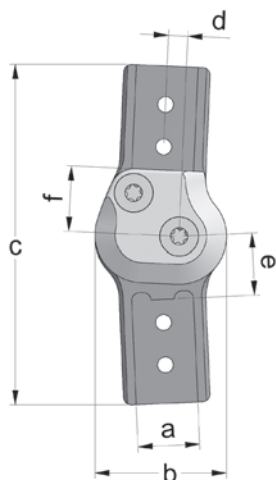
20mm

Joint Dimensions [mm]

Dimension	Description	System width a			
		12mm	14mm	16mm	20mm
b	Joint head width	25.5	29.0	34.0	41.0
c	Joint height	66.0	76.0	88.2	99.1
d	Posterior offset	3.0	4.0	5.0	7.0
e	Dist. pivot point - lower system case	13.2	14.0	16.0	18.5
f	Dist. pivot point - upper system case	13.0	14.0	17.0	19.0
	Joint head thickness	13.1	13.0	13.7	14.3

Joint Weights [g]

Material	Unit	System width			
		12mm	14mm	16mm	20mm
Steel	Piece	57	78	117	180
Titanium	Piece	38	52	75	112



The NEURO VARIO zero system knee joint is delivered with the following articles:

Description
Pan head screw for exchanging extension stops
AGOMET F330, 5g
Orthosis joint grease, 3g
Assembly/lamination dummy

➔ System side bars/anchors have to be ordered separately.
You will find system side bars/anchors on catalogue page F1ff.



Straight
Fig. 1



Bent inwards
distally
Fig. 2



Bent outwards
distally
Fig. 3



Bent inwards
proximally and distally
Fig. 4



Bent outwards
proximally and distally
Fig. 5

Straight (fig. 1)

Material	Leg side	Unit	Article number for system width			
			12mm	14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SJ1401-L/ST	SJ1402-L/ST	SJ1403-L/ST	SJ1405-L/ST
	Left medial or right lateral	Piece	SJ1401-R/ST	SJ1402-R/ST	SJ1403-R/ST	SJ1405-R/ST
Titanium	Left lateral or right medial	Piece	SJ1401-L/TI	SJ1402-L/TI	SJ1403-L/TI	SJ1405-L/TI
	Left medial or right lateral	Piece	SJ1401-R/TI	SJ1402-R/TI	SJ1403-R/TI	SJ1405-R/TI

Bent Inwards Distally (fig. 2)

Material	Leg side	Unit	Article number for system width			
			12mm	14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SJ1471-L/ST	SJ1472-L/ST	SJ1473-L/ST	SJ1475-L/ST
	Left medial or right lateral	Piece	SJ1471-R/ST	SJ1472-R/ST	SJ1473-R/ST	SJ1475-R/ST
Titanium	Left lateral or right medial	Piece	SJ1471-L/TI	SJ1472-L/TI	SJ1473-L/TI	SJ1475-L/TI
	Left medial or right lateral	Piece	SJ1471-R/TI	SJ1472-R/TI	SJ1473-R/TI	SJ1475-R/TI

Bent Outwards Distally (fig. 3)

Material	Leg side	Unit	Article number for system width			
			12mm	14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SJ1491-L/ST	SJ1492-L/ST	SJ1493-L/ST	SJ1495-L/ST
	Left medial or right lateral	Piece	SJ1491-R/ST	SJ1492-R/ST	SJ1493-R/ST	SJ1495-R/ST
Titanium	Left lateral or right medial	Piece	SJ1491-L/TI	SJ1492-L/TI	SJ1493-L/TI	SJ1495-L/TI
	Left medial or right lateral	Piece	SJ1491-R/TI	SJ1492-R/TI	SJ1493-R/TI	SJ1495-R/TI

Bent Inwards Proximally and Distally (fig. 4)

Material	Leg side	Unit	Article number for system width			
			12mm	14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SJ1421-L/ST	SJ1422-L/ST	SJ1423-L/ST	SJ1425-L/ST
	Left medial or right lateral	Piece	SJ1421-R/ST	SJ1422-R/ST	SJ1423-R/ST	SJ1425-R/ST
Titanium	Left lateral or right medial	Piece	SJ1421-L/TI	SJ1422-L/TI	SJ1423-L/TI	SJ1425-L/TI
	Left medial or right lateral	Piece	SJ1421-R/TI	SJ1422-R/TI	SJ1423-R/TI	SJ1425-R/TI

Bent Outwards Proximally and Distally (fig. 5)

Material	Leg side	Unit	Article number for system width			
			12mm	14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SJ1481-L/ST	SJ1482-L/ST	SJ1483-L/ST	SJ1485-L/ST
	Left medial or right lateral	Piece	SJ1481-R/ST	SJ1482-R/ST	SJ1483-R/ST	SJ1485-R/ST
Titanium	Left lateral or right medial	Piece	SJ1481-L/TI	SJ1482-L/TI	SJ1483-L/TI	SJ1485-L/TI
	Left medial or right lateral	Piece	SJ1481-R/TI	SJ1482-R/TI	SJ1483-R/TI	SJ1485-R/TI

NEURO CLASSIC zero

NEURO VARIO zero

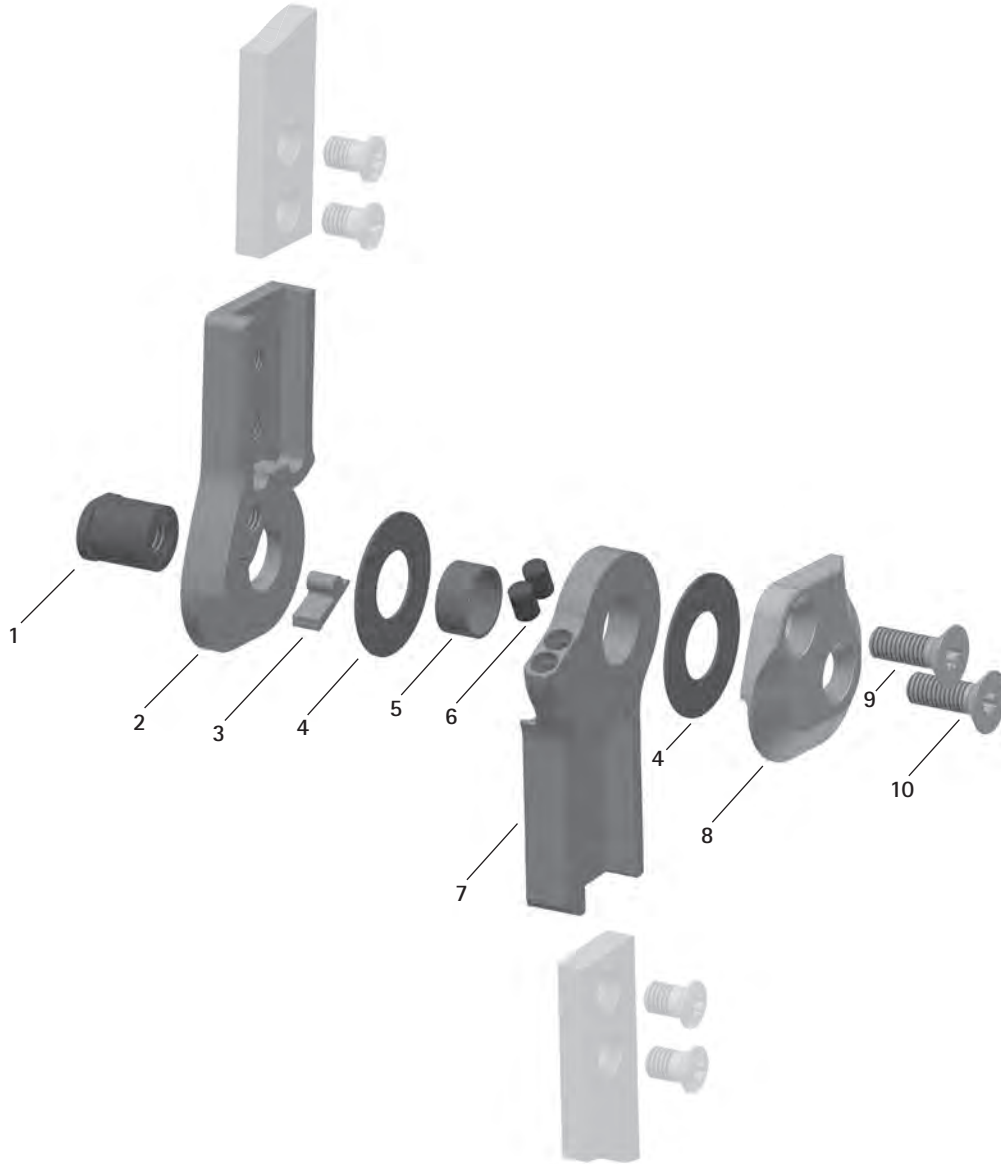
NEURO CLASSIC

NEURO VARIO

NEURO ACTIVE
SYSTEM JOINT

NEURO ACTIVE
ARTICULATED SYSTEM SIDE BAR

Spare Parts

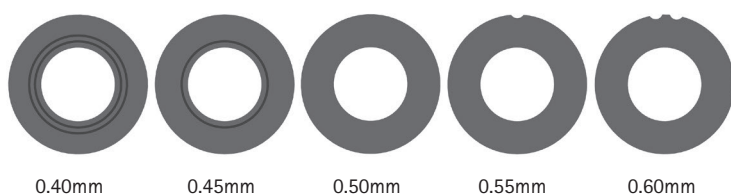


Spare Parts					
Item	Article number for system width				Description
	12mm	14mm	16mm	20mm	
1	SB8559-L0840	SB9669-L0840	SB1069-L0960	SB1069-L1020	Bearing nut
2	SJ0141-L/ST	SJ0142-L/ST	SJ0143-L/ST	SJ0145-L/ST	Upper part, left lateral or right medial, straight, steel
2	SJ0141-R/ST	SJ0142-R/ST	SJ0143-R/ST	SJ0145-R/ST	Upper part, left medial or right lateral, straight, steel
2	SJ0141-L/TI	SJ0142-L/TI	SJ0143-L/TI	SJ0145-L/TI	Upper part, left lateral or right medial, straight, titanium
2	SJ0141-R/TI	SJ0142-R/TI	SJ0143-R/TI	SJ0145-R/TI	Upper part, left medial or right lateral, straight, titanium
2	SJ0161-L/ST	SJ0162-L/ST	SJ0163-L/ST	SJ0165-L/ST	Upper part, left lateral or right medial, bent inwards, steel
2	SJ0161-R/ST	SJ0162-R/ST	SJ0163-R/ST	SJ0165-R/ST	Upper part, left medial or right lateral, bent inwards, steel
2	SJ0161-L/TI	SJ0162-L/TI	SJ0163-L/TI	SJ0165-L/TI	Upper part, left lateral or right medial, bent inwards, titanium
2	SJ0161-R/TI	SJ0162-R/TI	SJ0163-R/TI	SJ0165-R/TI	Upper part, left medial or right lateral, bent inwards, titanium
2	SJ0161-8L/ST	SJ0162-8L/ST	SJ0163-8L/ST	SJ0165-8L/ST	Upper part, left lateral or right medial, bent outwards, steel
2	SJ0161-8R/ST	SJ0162-8R/ST	SJ0163-8R/ST	SJ0165-8R/ST	Upper part, left medial or right lateral, bent outwards, steel
2	SJ0161-8L/TI	SJ0162-8L/TI	SJ0163-8L/TI	SJ0165-8L/TI	Upper part, left lateral or right medial, bent outwards, titanium
2	SJ0161-8R/TI	SJ0162-8R/TI	SJ0163-8R/TI	SJ0165-8R/TI	Upper part, left medial or right lateral, bent outwards, titanium
3	SJ9021-E005	SJ9022-E005	SJ9023-E005	SJ9025-E005	5° extension stop
4	GS1609-*	GS1910-*	GS2311-*	GS2611-*	Sliding washer*
5	BP1009-L050	BP1110-L050	BP1211-L055	BP1211-L060	Sliding bushing
6	PN1000-L05/5	PN1000-L05/5	PN1000-L05/5	PN1000-L05/5	Extension stop damper
7	SJ0111-L/ST	SJ0112-L/ST	SJ0113-L/ST	SJ0115-L/ST	Lower part, left lateral or right medial, straight, steel
7	SJ0111-R/ST	SJ0112-R/ST	SJ0113-R/ST	SJ0115-R/ST	Lower part, left medial or right lateral, straight, steel
7	SJ0111-L/TI	SJ0112-L/TI	SJ0113-L/TI	SJ0115-L/TI	Lower part, left lateral or right medial, straight, titanium
7	SJ0111-R/TI	SJ0112-R/TI	SJ0113-R/TI	SJ0115-R/TI	Lower part, left medial or right lateral, straight, titanium
7	SJ0131-L/ST	SJ0132-L/ST	SJ0133-L/ST	SJ0135-L/ST	Lower part, left lateral or right medial, bent inwards, steel
7	SJ0131-R/ST	SJ0132-R/ST	SJ0133-R/ST	SJ0135-R/ST	Lower part, left medial or right lateral, bent inwards, steel
7	SJ0131-L/TI	SJ0132-L/TI	SJ0133-L/TI	SJ0135-L/TI	Lower part, left lateral or right medial, bent inwards, titanium
7	SJ0131-R/TI	SJ0132-R/TI	SJ0133-R/TI	SJ0135-R/TI	Lower part, left medial or right lateral, bent inwards, titanium
7	SJ0131-8L/ST	SJ0132-8L/ST	SJ0133-8L/ST	SJ0135-8L/ST	Lower part, left lateral or right medial, bent outwards, steel
7	SJ0131-8R/ST	SJ0132-8R/ST	SJ0133-8R/ST	SJ0135-8R/ST	Lower part, left medial or right lateral, bent outwards, steel
7	SJ0131-8L/TI	SJ0132-8L/TI	SJ0133-8L/TI	SJ0135-8L/TI	Lower part, left lateral or right medial, bent outwards, titanium
7	SJ0131-8R/TI	SJ0132-8R/TI	SJ0133-8R/TI	SJ0135-8R/TI	Lower part, left medial or right lateral, bent outwards, titanium
8	SJ0191-L/AL	SJ0192-L/AL	SJ0193-L/AL	SJ0195-L/AL	Cover plate, left lateral or right medial, aluminium
8	SJ0191-R/AL	SJ0192-R/AL	SJ0193-R/AL	SJ0195-R/AL	Cover plate, left medial or right lateral, aluminium
9	SC1404-L12	SC1405-L12	SC1405-L12	SC1405-L14	Countersunk flat head screw, hexalobular socket
10	SC1405-L12	SC1405-L12	SC1406-L12	SC1406-L14	Countersunk flat head screw, hexalobular socket (axle screw)
W/o fig.	SC0403-L08	SC0403-L08	SC0403-L10	SC0403-L10	Pan head screw for exchanging extension stops

* Sliding Washers

Article number for system width				
12mm	14mm	16mm	20mm	
Ø = 16mm	Ø = 19mm	Ø = 23mm	Ø = 26mm	
GS1609-040	GS1910-040	GS2311-040	GS2611-040	
GS1609-045	GS1910-045	GS2311-045	GS2611-045	
GS1609-050	GS1910-050	GS2311-050	GS2611-050	
GS1609-055	GS1910-055	GS2311-055	GS2611-055	
GS1609-060	GS1910-060	GS2311-060	GS2611-060	

The last three digits of the article number stand for the thickness of the sliding washer e.g. GS1407-040. The thickness of this sliding washer is 0.40mm. In total, the sliding washers are available in five different thicknesses. The thickness of a sliding washer is indicated by the markings. For example, a sliding washer with two grooves is 0.40mm thick, whereas a sliding washer with one notch is 0.55mm thick.



→ You will find system side bars and system anchors on catalogue page F1ff.

NEURO CLASSIC zero

NEURO VARIO zero

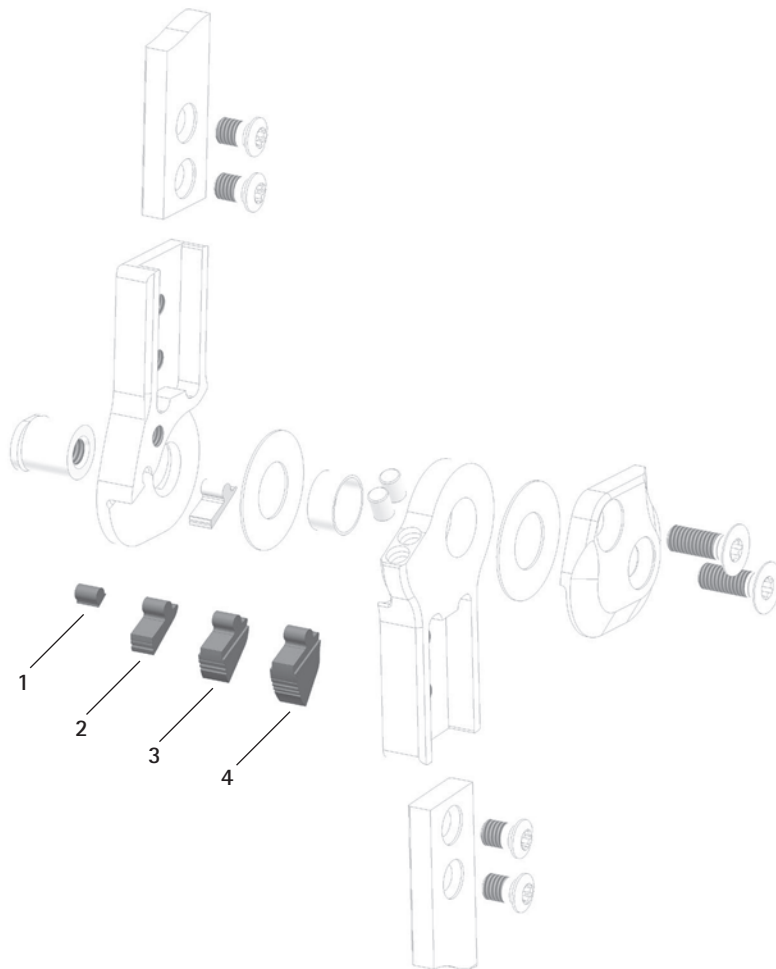
NEURO CLASSIC

NEURO VARIO

NEURO ACTIVE
SYSTEM JOINT

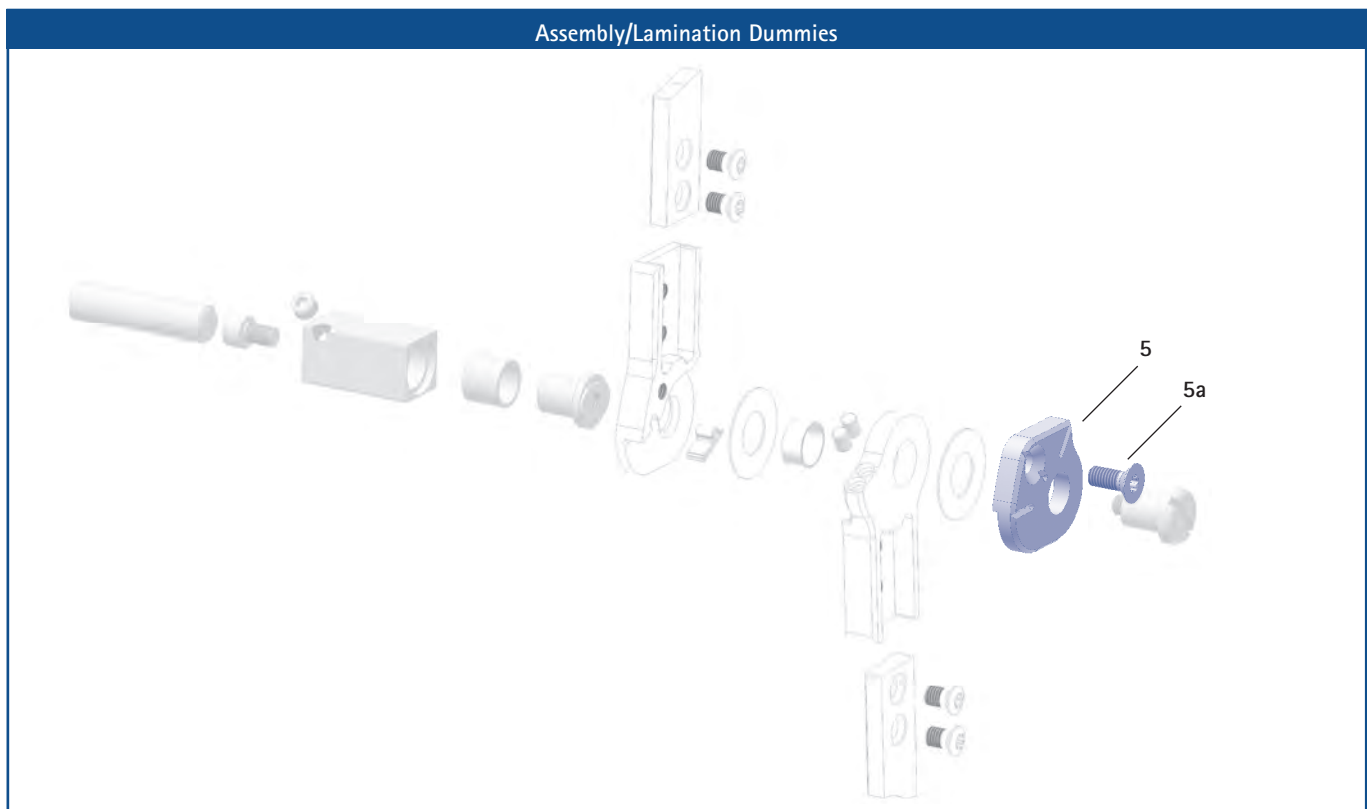
NEURO ACTIVE
ARTICULATED SYSTEM SIDE BAR

Extension Stops



Accessory Parts

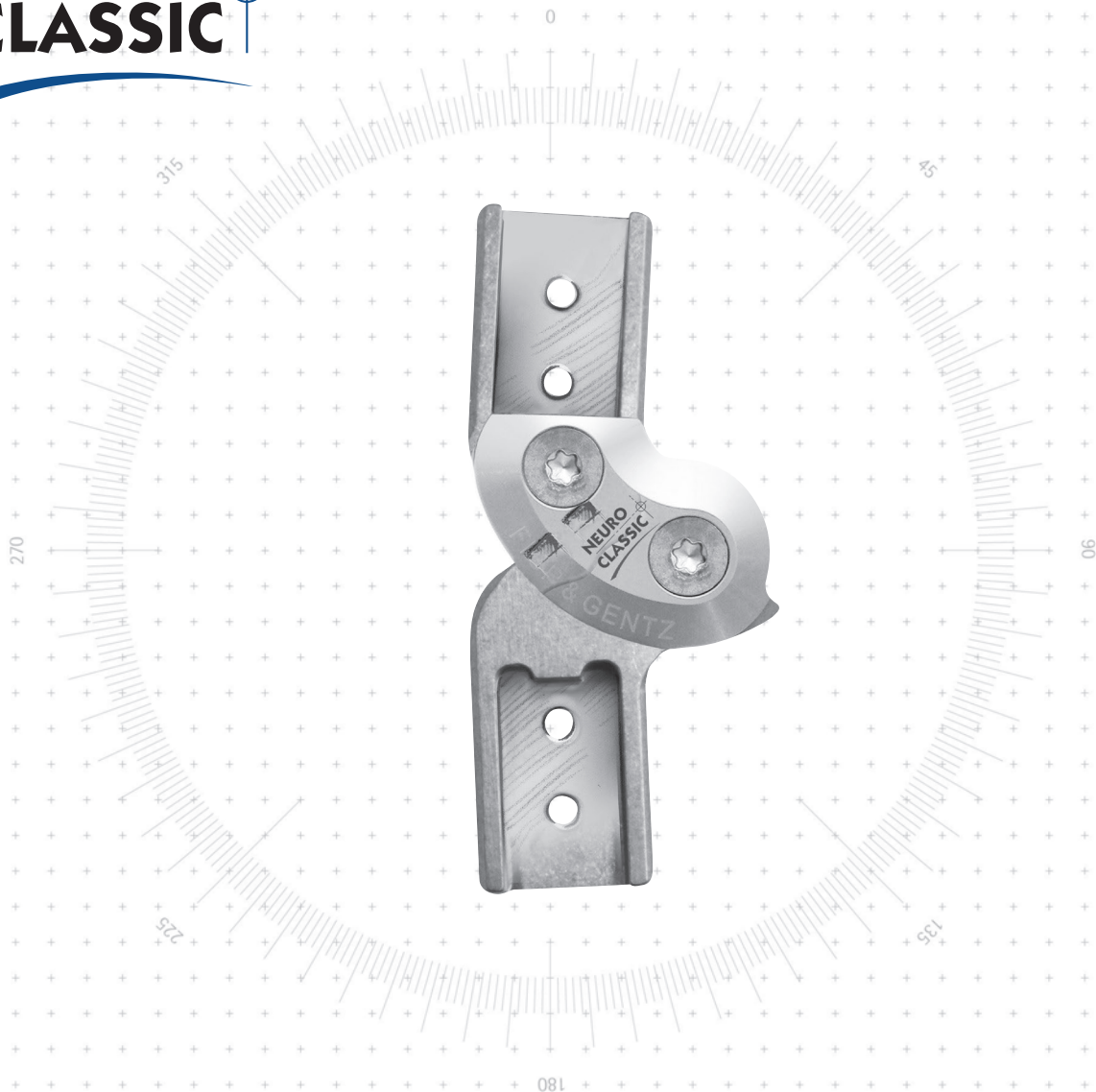
Item	Article number for system width				Description
	12mm	14mm	16mm	20mm	
1	SJ9021-E000	SJ9022-E000	SJ9023-E000	SJ9025-E000	0° extension stop
2	SJ9021-E010	SJ9022-E010	SJ9023-E010	SJ9025-E010	10° extension stop
3	SJ9021-E020	SJ9022-E020	SJ9023-E020	SJ9025-E020	20° extension stop
4	SJ9021-E030	SJ9022-E030	SJ9023-E030	SJ9025-E030	30° extension stop
1-4	SJ9021	SJ9022	SJ9023	SJ9025	Set of stops, 0°, 10°, 20°, 30° extension stops (1 of each)



Assembly/Lamination Dummies						
Item	Article number for system width				Description	Unit
	12mm	14mm	16mm	20mm		
5	SJ0911-L	SJ0912-L	SJ0913-L	SJ0915-L	Assembly/lamination dummy, left lateral or right medial (1 dummy with screw)	Piece
5	SJ0911-R	SJ0912-R	SJ0913-R	SJ0915-R	Assembly/lamination dummy, left medial or right lateral (1 dummy with screw)	Piece
5a	SC1404-L12	SC1405-L12	SC1405-L14	SC1405-L14	Countersunk flat head screw, hexalobular socket	Piece

- ➔ Assembly/lamination dummies are included in the scope of delivery of the system joints.
- ➔ You will find an overview of our tools on catalogue page G1ff.

NEURO CLASSIC



Product Information

Basic function at delivery status:

- ➔ Free moving, monocentric joint to control and support the motion
- ➔ Secured standing through integrated posterior offset (for explanations concerning the integrated posterior offset, see catalogue page G3)
- ➔ Joint preassembled in a physiological joint angle of 5°
- ➔ Damped extension stop

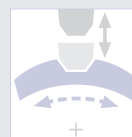
Further Sources of Information

Source of information	Article number	Link
Manual	PB1000-SL	www.fior-gentz.com
Production techniques	-	

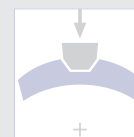
System Knee Joint Function



free moving



automatic



locked



NEURO CLASSIC zero

NEURO VARIO zero

NEURO CLASSIC

NEURO VARIO

NEURO ACTIVE
SYSTEM JOINT

NEURO ACTIVE
ARTICULATED SYSTEM SIDE BAR

System Knee Joints NEURO CLASSIC

NEURO CLASSIC zero

NEURO VARIO zero

NEURO CLASSIC

NEURO VARIO

NEURO ACTIVE
SYSTEM JOINT

NEURO ACTIVE
ARTICULATED SYSTEM SIDE BAR



12mm



14mm



16mm



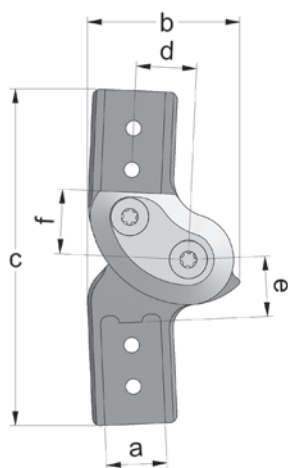
20mm

Joint Dimensions [mm]

Dimension	Description	System width a			
		12mm	14mm	16mm	20mm
b	Joint head width	29.5	34.1	40.4	49.7
c	Joint height	66.8	76.4	89.1	100.2
d	Posterior offset	12.0	14.0	16.0	20.0
e	Dist. pivot point - lower system case	13.2	13.0	16.0	18.5
f	Dist. pivot point - upper system case	13.0	14.5	17.0	19.0
	Joint head thickness	13.9	14.0	14.8	16.4

Joint Weights [g]

Material	Unit	System width			
		12mm	14mm	16mm	20mm
Steel	Piece	65	90	137	222
Titanium	Piece	43	58	86	136



The NEURO CLASSIC system knee joint is delivered with the following articles:

Description
AGOMET F330, 5g
Orthosis joint grease, 3g
Assembly/lamination dummy

→ System side bars/anchors have to be ordered separately.
You will find system side bars/anchors on catalogue page F1ff.

C30.3



Straight
Fig. 1



Bent inwards
distally
Fig. 2



Bent outwards
distally
Fig. 3



Bent inwards
proximally and distally
Fig. 4



Bent outwards
proximally and distally
Fig. 5

Straight (fig. 1)

Material	Leg side	Unit	Article number for system width			
			12mm	14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SL1001-L/ST	SL1002-L/ST	SL1003-L/ST	SL1005-L/ST
	Left medial or right lateral	Piece	SL1001-R/ST	SL1002-R/ST	SL1003-R/ST	SL1005-R/ST
Titanium	Left lateral or right medial	Piece	SL1001-L/TI	SL1002-L/TI	SL1003-L/TI	SL1005-L/TI
	Left medial or right lateral	Piece	SL1001-R/TI	SL1002-R/TI	SL1003-R/TI	SL1005-R/TI

Bent Inwards Distally (fig. 2)

Material	Leg side	Unit	Article number for system width			
			12mm	14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SL1071-L/ST	SL1072-L/ST	SL1073-L/ST	SL1075-L/ST
	Left medial or right lateral	Piece	SL1071-R/ST	SL1072-R/ST	SL1073-R/ST	SL1075-R/ST
Titanium	Left lateral or right medial	Piece	SL1071-L/TI	SL1072-L/TI	SL1073-L/TI	SL1075-L/TI
	Left medial or right lateral	Piece	SL1071-R/TI	SL1072-R/TI	SL1073-R/TI	SL1075-R/TI

Bent Outwards Distally (fig. 3)

Material	Leg side	Unit	Article number for system width			
			12mm	14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SL1091-L/ST	SL1092-L/ST	SL1093-L/ST	SL1095-L/ST
	Left medial or right lateral	Piece	SL1091-R/ST	SL1092-R/ST	SL1093-R/ST	SL1095-R/ST
Titanium	Left lateral or right medial	Piece	SL1091-L/TI	SL1092-L/TI	SL1093-L/TI	SL1095-L/TI
	Left medial or right lateral	Piece	SL1091-R/TI	SL1092-R/TI	SL1093-R/TI	SL1095-R/TI

Bent Inwards Proximally and Distally (fig. 4)

Material	Leg side	Unit	Article number for system width			
			12mm	14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SL1021-L/ST	SL1022-L/ST	SL1023-L/ST	SL1025-L/ST
	Left medial or right lateral	Piece	SL1021-R/ST	SL1022-R/ST	SL1023-R/ST	SL1025-R/ST
Titanium	Left lateral or right medial	Piece	SL1021-L/TI	SL1022-L/TI	SL1023-L/TI	SL1025-L/TI
	Left medial or right lateral	Piece	SL1021-R/TI	SL1022-R/TI	SL1023-R/TI	SL1025-R/TI

Bent Outwards Proximally and Distally (fig. 5)

Material	Leg side	Unit	Article number for system width			
			12mm	14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SL1081-L/ST	SL1082-L/ST	SL1083-L/ST	SL1085-L/ST
	Left medial or right lateral	Piece	SL1081-R/ST	SL1082-R/ST	SL1083-R/ST	SL1085-R/ST
Titanium	Left lateral or right medial	Piece	SL1081-L/TI	SL1082-L/TI	SL1083-L/TI	SL1085-L/TI
	Left medial or right lateral	Piece	SL1081-R/TI	SL1082-R/TI	SL1083-R/TI	SL1085-R/TI

NEURO CLASSIC zero

NEURO VARIO zero

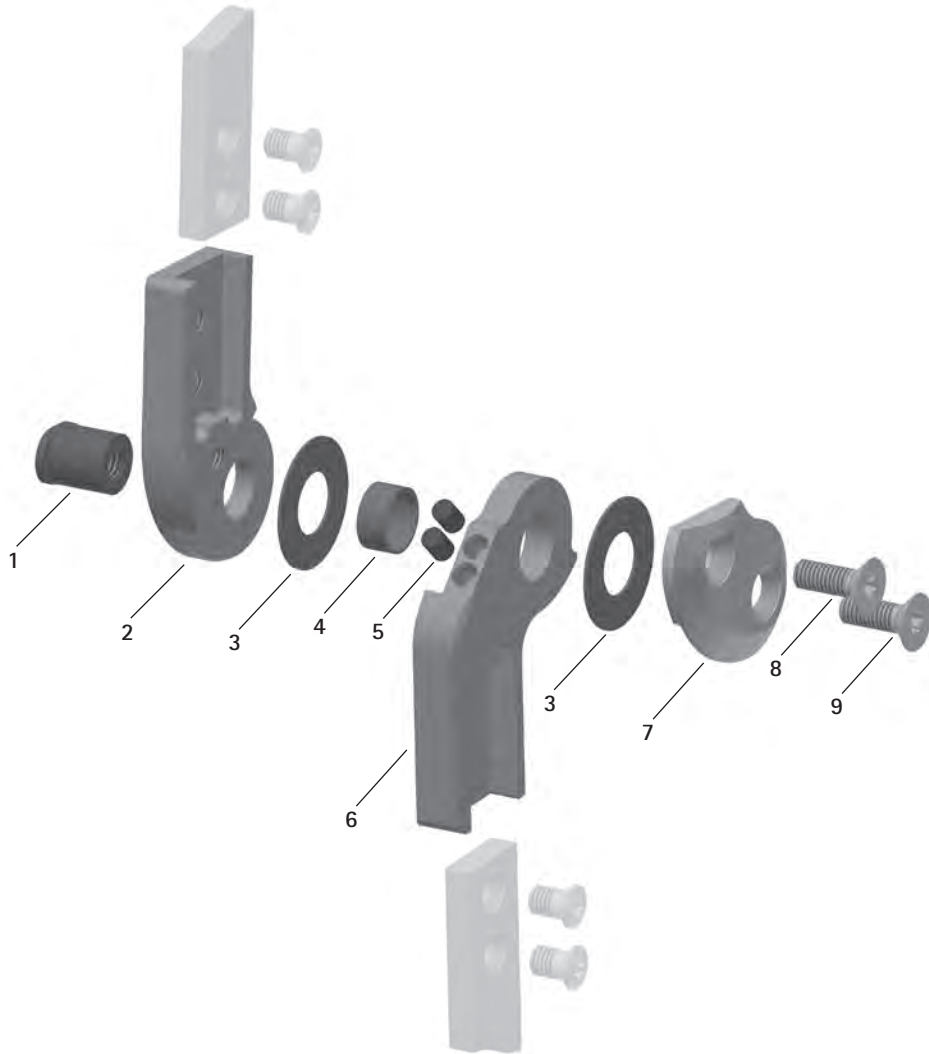
NEURO CLASSIC

NEURO VARIO

NEURO ACTIVE
SYSTEM JOINT

NEURO ACTIVE
ARTICULATED SYSTEM SIDE BAR

Spare Parts

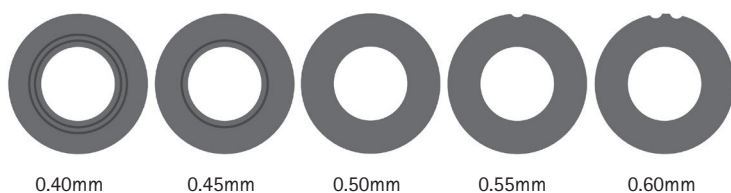


Spare Parts					
Item	Article number for system width				Description
	12mm	14mm	16mm	20mm	
1	SB8559-L0930	SB9669-L0950	SB1069-L1060	SB1069-L1220	Bearing nut
2	SL0101-2L/ST	SL0102-2L/ST	SL0103-2L/ST	SL0105-2L/ST	5° upper part, left lateral or right medial, straight, steel
2	SL0101-2R/ST	SL0102-2R/ST	SL0103-2R/ST	SL0105-2R/ST	5° upper part, left medial or right lateral, straight, steel
2	SL0101-2L/TI	SL0102-2L/TI	SL0103-2L/TI	SL0105-2L/TI	5° upper part, left lateral or right medial, straight, titanium
2	SL0101-2R/TI	SL0102-2R/TI	SL0103-2R/TI	SL0105-2R/TI	5° upper part, left medial or right lateral, straight, titanium
2	SL0121-2L/ST	SL0122-2L/ST	SL0123-2L/ST	SL0125-2L/ST	5° upper part, left lateral or right medial, bent inwards, steel
2	SL0121-2R/ST	SL0122-2R/ST	SL0123-2R/ST	SL0125-2R/ST	5° upper part, left medial or right lateral, bent inwards, steel
2	SL0121-2L/TI	SL0122-2L/TI	SL0123-2L/TI	SL0125-2L/TI	5° upper part, left lateral or right medial, bent inwards, titanium
2	SL0121-2R/TI	SL0122-2R/TI	SL0123-2R/TI	SL0125-2R/TI	5° upper part, left medial or right lateral, bent inwards, titanium
2	SL0121-9L/ST	SL0122-9L/ST	SL0123-9L/ST	SL0125-9L/ST	5° upper part, left lateral or right medial, bent outwards, steel
2	SL0121-9R/ST	SL0122-9R/ST	SL0123-9R/ST	SL0125-9R/ST	5° upper part, left medial or right lateral, bent outwards, steel
2	SL0121-9L/TI	SL0122-9L/TI	SL0123-9L/TI	SL0125-9L/TI	5° upper part, left lateral or right medial, bent outwards, titanium
2	SL0121-9R/TI	SL0122-9R/TI	SL0123-9R/TI	SL0125-9R/TI	5° upper part, left medial or right lateral, bent outwards, titanium
3	GS1609-*	GS1910-*	GS2311-*	GS2611-*	Sliding washer*
4	BP1009-L050	BP1110-L050	BP1211-L055	BP1211-L060	Sliding bushing
5	PN1000-L05/5	PN1000-L05/5	PN1000-L05/5	PN1000-L05/5	Extension stop damper
6	SL0111-L/ST	SL0112-L/ST	SL0113-L/ST	SL0115-L/ST	Lower part, left lateral or right medial, straight, steel
6	SL0111-R/ST	SL0112-R/ST	SL0113-R/ST	SL0115-R/ST	Lower part, left medial or right lateral, straight, steel
6	SL0111-L/TI	SL0112-L/TI	SL0113-L/TI	SL0115-L/TI	Lower part, left lateral or right medial, straight, titanium
6	SL0111-R/TI	SL0112-R/TI	SL0113-R/TI	SL0115-R/TI	Lower part, left medial or right lateral, straight, titanium
6	SL0131-L/ST	SL0132-L/ST	SL0133-L/ST	SL0135-L/ST	Lower part, left lateral or right medial, bent inwards, steel
6	SL0131-R/ST	SL0132-R/ST	SL0133-R/ST	SL0135-R/ST	Lower part, left medial or right lateral, bent inwards, steel
6	SL0131-L/TI	SL0132-L/TI	SL0133-L/TI	SL0135-L/TI	Lower part, left lateral or right medial, bent inwards, titanium
6	SL0131-R/TI	SL0132-R/TI	SL0133-R/TI	SL0135-R/TI	Lower part, left medial or right lateral, bent inwards, titanium
6	SL0131-8L/ST	SL0132-8L/ST	SL0133-8L/ST	SL0135-8L/ST	Lower part, left lateral or right medial, bent outwards, steel
6	SL0131-8R/ST	SL0132-8R/ST	SL0133-8R/ST	SL0135-8R/ST	Lower part, left medial or right lateral, bent outwards, steel
6	SL0131-8L/TI	SL0132-8L/TI	SL0133-8L/TI	SL0135-8L/TI	Lower part, left lateral or right medial, bent outwards, titanium
6	SL0131-8R/TI	SL0132-8R/TI	SL0133-8R/TI	SL0135-8R/TI	Lower part, left medial or right lateral, bent outwards, titanium
7	SL0151-L/AL	SL0152-L/AL	SL0153-L/AL	SL0155-L/AL	Cover plate, left lateral or right medial, aluminium
7	SL0151-R/AL	SL0152-R/AL	SL0153-R/AL	SL0155-R/AL	Cover plate, left medial or right lateral, aluminium
8	SC1404-L12	SC1405-L12	SC1405-L14	SC1405-L14	Countersunk flat head screw, hexalobular socket
9	SC1405-L12	SC1405-L12	SC1405-L14	SC1406-L14	Countersunk flat head screw, hexalobular socket (axle screw)

* Sliding Washers

12mm	Article number for system width		
	14mm	16mm	20mm
Ø = 16mm	Ø = 19mm	Ø = 23mm	Ø = 26mm
GS1609-040	GS1910-040	GS2311-040	GS2611-040
GS1609-045	GS1910-045	GS2311-045	GS2611-045
GS1609-050	GS1910-050	GS2311-050	GS2611-050
GS1609-055	GS1910-055	GS2311-055	GS2611-055
GS1609-060	GS1910-060	GS2311-060	GS2611-060

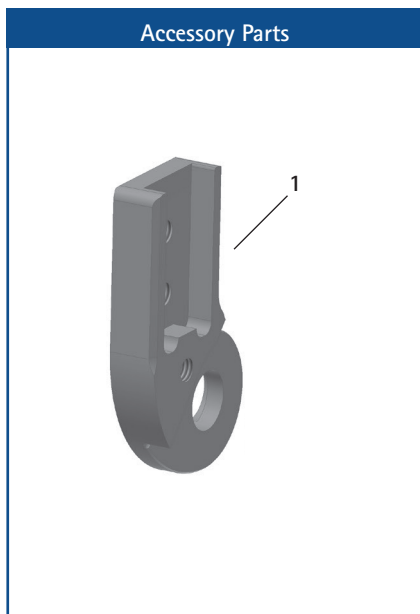
The last three digits of the article number stand for the thickness of the sliding washer e.g. GS1407-040. The thickness of this sliding washer is 0.40mm. In total, the sliding washers are available in five different thicknesses. The thickness of a sliding washer is indicated by the markings. For example, a sliding washer with two grooves is 0.40mm thick, whereas a sliding washer with one notch is 0.55mm thick.



➔ You will find system side bars and system anchors on catalogue page F1ff.

NEURO CLASSIC zero

NEURO VARIO zero



NEURO CLASSIC

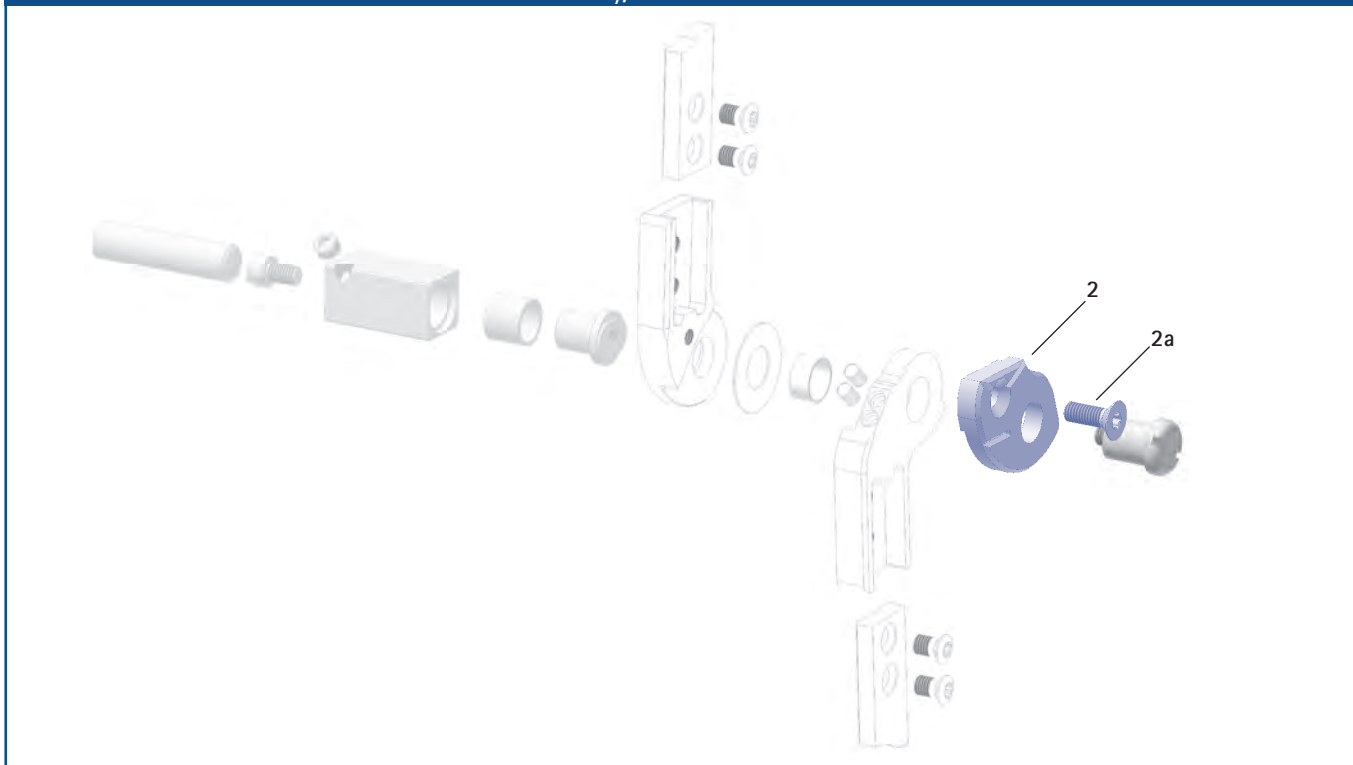
NEURO VARIO

NEURO ACTIVE
SYSTEM JOINT

NEURO ACTIVE
ARTICULATED SYSTEM SIDE BAR

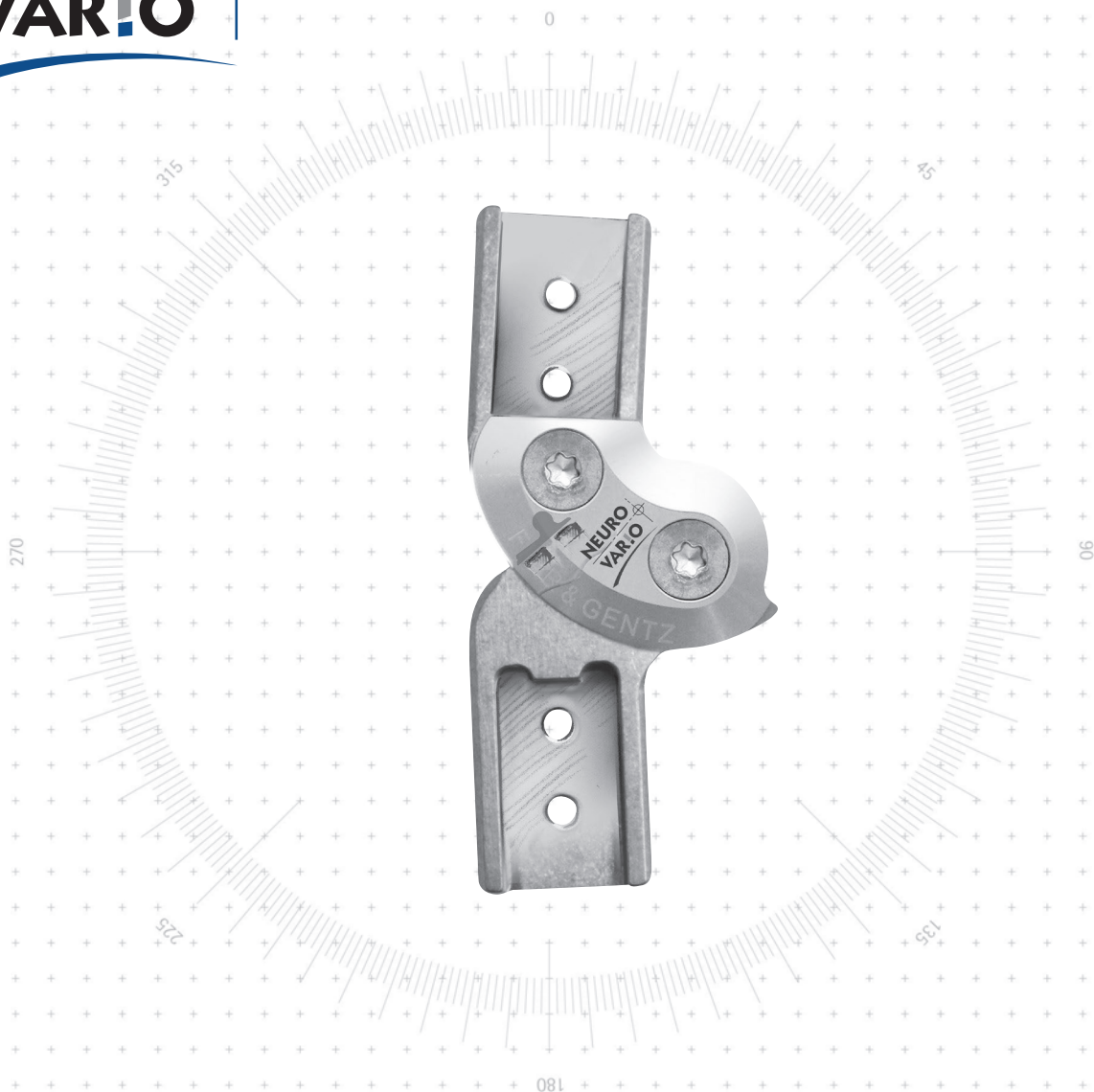
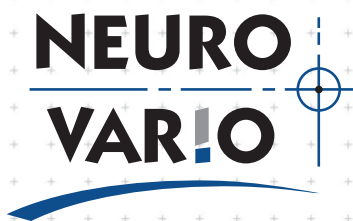
Accessory Parts					
Item	Article number for system width				Description
	12mm	14mm	16mm	20mm	
1	SL0101-L/ST	SL0102-L/ST	SL0103-L/ST	SL0105-L/ST	0° upper part, left lateral or right medial, straight, steel
1	SL0101-R/ST	SL0102-R/ST	SL0103-R/ST	SL0105-R/ST	0° upper part, left medial or right lateral, straight, steel
1	SL0101-L/TI	SL0102-L/TI	SL0103-L/TI	SL0105-L/TI	0° upper part, left lateral or right medial, straight, titanium
1	SL0101-R/TI	SL0102-R/TI	SL0103-R/TI	SL0105-R/TI	0° upper part, left medial or right lateral, straight, titanium
1	SL0121-L/ST	SL0122-L/ST	SL0123-L/ST	SL0125-L/ST	0° upper part, left lateral or right medial, bent inwards, steel
1	SL0121-R/ST	SL0122-R/ST	SL0123-R/ST	SL0125-R/ST	0° upper part, left medial or right lateral, bent inwards, steel
1	SL0121-L/TI	SL0122-L/TI	SL0123-L/TI	SL0125-L/TI	0° upper part, left lateral or right medial, bent inwards, titanium
1	SL0121-R/TI	SL0122-R/TI	SL0123-R/TI	SL0125-R/TI	0° upper part, left medial or right lateral, bent inwards, titanium
1	SL0121-8L/ST	SL0122-8L/ST	SL0123-8L/ST	SL0125-8L/ST	0° upper part, left lateral or right medial, bent outwards, steel
1	SL0121-8R/ST	SL0122-8R/ST	SL0123-8R/ST	SL0125-8R/ST	0° upper part, left medial or right lateral, bent outwards, steel
1	SL0121-8L/TI	SL0122-8L/TI	SL0123-8L/TI	SL0125-8L/TI	0° upper part, left lateral or right medial, bent outwards, titanium
1	SL0121-8R/TI	SL0122-8R/TI	SL0123-8R/TI	SL0125-8R/TI	0° upper part, left medial or right lateral, bent outwards, titanium

Assembly/Lamination Dummies



Assembly/Lamination Dummies						
Item	Article number for system width				Description	Unit
	12mm	14mm	16mm	20mm		
2	SL0911-L	SL0912-L	SL0913-L	SL0915-L	Assembly/lamination dummy, left lateral or right medial (1 dummy with screw)	Piece
2	SL0911-R	SL0912-R	SL0913-R	SL0915-R	Assembly/lamination dummy, left medial or right lateral (1 dummy with screw)	Piece
2a	SC1404-L12	SC1405-L12	SC1405-L14	SC1405-L14	Countersunk flat head screw, hexalobular socket	Piece

- ➔ Assembly/lamination dummies are included in the scope of delivery of the system joints.
- ➔ You will find an overview of our tools on catalogue page G1ff.



Product Information

Basic function at delivery status:

- ➔ Free moving, monocentric joint to control and support the motion
- ➔ Secured standing through integrated posterior offset (for explanations concerning the integrated posterior offset, see catalogue page G3)
- ➔ Joint preassembled in a physiological joint angle of 5°
- ➔ Damped extension stop

Alternative function with accessory parts:

- ➔ The range of motion in extension can be adjusted in a variety of ways through exchangeable extension stops.

Further Sources of Information

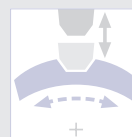
Source of information	Article number	Link
Manual	PB1030-SK	www.fior-gentz.com
Production techniques	-	

System Knee Joint Function



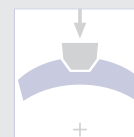
+

free moving



+

automatic



+

locked



NEURO CLASSIC zero

NEURO VARIO zero

NEURO CLASSIC

NEURO VARIO

NEURO ACTIVE
SYSTEM JOINT

NEURO ACTIVE
ARTICULATED SYSTEM SIDE BAR

System Knee Joints NEURO VARIO

NEURO CLASSIC zero

NEURO VARIO zero

NEURO CLASSIC

NEURO VARIO

NEURO ACTIVE
SYSTEM JOINT

NEURO ACTIVE
ARTICULATED SYSTEM SIDE BAR



12mm



14mm



16mm



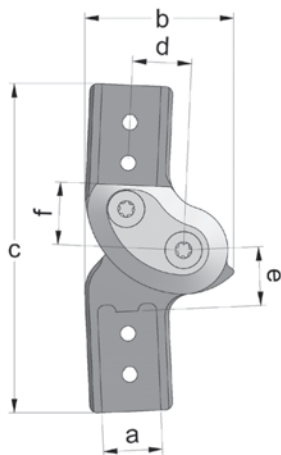
20mm

Joint Dimensions [mm]

Dimension	Description	System width a			
		12mm	14mm	16mm	20mm
b	Joint head width	29.5	34.1	40.4	49.7
c	Joint height	66.8	76.4	89.1	100.2
d	Posterior offset	12.0	14.0	16.0	20.0
e	Dist. pivot point - lower system case	13.2	13.0	16.0	18.5
f	Dist. pivot point - upper system case	13.0	14.5	17.0	19.0
	Joint head thickness	13.9	14.0	14.8	16.4

Joint Weights [g]

Material	Unit	System width			
		12mm	14mm	16mm	20mm
Steel	Piece	65	89	136	221
Titanium	Piece	42	58	86	136



The NEURO VARIO system knee joint is delivered with the following articles:

Description
Pan head screw for exchanging extension stops
AGOMET F330, 5g
Orthosis joint grease, 3g
Assembly/lamination dummy

➔ System side bars/anchors have to be ordered separately.
You will find system side bars/anchors on catalogue page F1ff.

C40.3



Straight
Fig. 1



Bent inwards
distally
Fig. 2



Bent outwards
distally
Fig. 3



Bent inwards
proximally and distally
Fig. 4



Bent outwards
proximally and distally
Fig. 5

Straight (fig. 1)

Material	Leg side	Unit	Article number for system width			
			12mm	14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SK1361-L/ST	SK1362-L/ST	SK1363-L/ST	SK1365-L/ST
	Left medial or right lateral	Piece	SK1361-R/ST	SK1362-R/ST	SK1363-R/ST	SK1365-R/ST
Titanium	Left lateral or right medial	Piece	SK1361-L/TI	SK1362-L/TI	SK1363-L/TI	SK1365-L/TI
	Left medial or right lateral	Piece	SK1361-R/TI	SK1362-R/TI	SK1363-R/TI	SK1365-R/TI

Bent Inwards Distally (fig. 2)

Material	Leg side	Unit	Article number for system width			
			12mm	14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SK1381-L/ST	SK1382-L/ST	SK1383-L/ST	SK1385-L/ST
	Left medial or right lateral	Piece	SK1381-R/ST	SK1382-R/ST	SK1383-R/ST	SK1385-R/ST
Titanium	Left lateral or right medial	Piece	SK1381-L/TI	SK1382-L/TI	SK1383-L/TI	SK1385-L/TI
	Left medial or right lateral	Piece	SK1381-R/TI	SK1382-R/TI	SK1383-R/TI	SK1385-R/TI

Bent Outwards Distally (fig. 3)

Material	Leg side	Unit	Article number for system width			
			12mm	14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SK1391-L/ST	SK1392-L/ST	SK1393-L/ST	SK1395-L/ST
	Left medial or right lateral	Piece	SK1391-R/ST	SK1392-R/ST	SK1393-R/ST	SK1395-R/ST
Titanium	Left lateral or right medial	Piece	SK1391-L/TI	SK1392-L/TI	SK1393-L/TI	SK1395-L/TI
	Left medial or right lateral	Piece	SK1391-R/TI	SK1392-R/TI	SK1393-R/TI	SK1395-R/TI

Bent Inwards Proximally and Distally (fig. 4)

Material	Leg side	Unit	Article number for system width			
			12mm	14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SK1331-L/ST	SK1332-L/ST	SK1333-L/ST	SK1335-L/ST
	Left medial or right lateral	Piece	SK1331-R/ST	SK1332-R/ST	SK1333-R/ST	SK1335-R/ST
Titanium	Left lateral or right medial	Piece	SK1331-L/TI	SK1332-L/TI	SK1333-L/TI	SK1335-L/TI
	Left medial or right lateral	Piece	SK1331-R/TI	SK1332-R/TI	SK1333-R/TI	SK1335-R/TI

Bent Outwards Proximally and Distally (fig. 5)

Material	Leg side	Unit	Article number for system width			
			12mm	14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SK1491-L/ST	SK1492-L/ST	SK1493-L/ST	SK1495-L/ST
	Left medial or right lateral	Piece	SK1491-R/ST	SK1492-R/ST	SK1493-R/ST	SK1495-R/ST
Titanium	Left lateral or right medial	Piece	SK1491-L/TI	SK1492-L/TI	SK1493-L/TI	SK1495-L/TI
	Left medial or right lateral	Piece	SK1491-R/TI	SK1492-R/TI	SK1493-R/TI	SK1495-R/TI

NEURO CLASSIC zero

NEURO VARIO zero

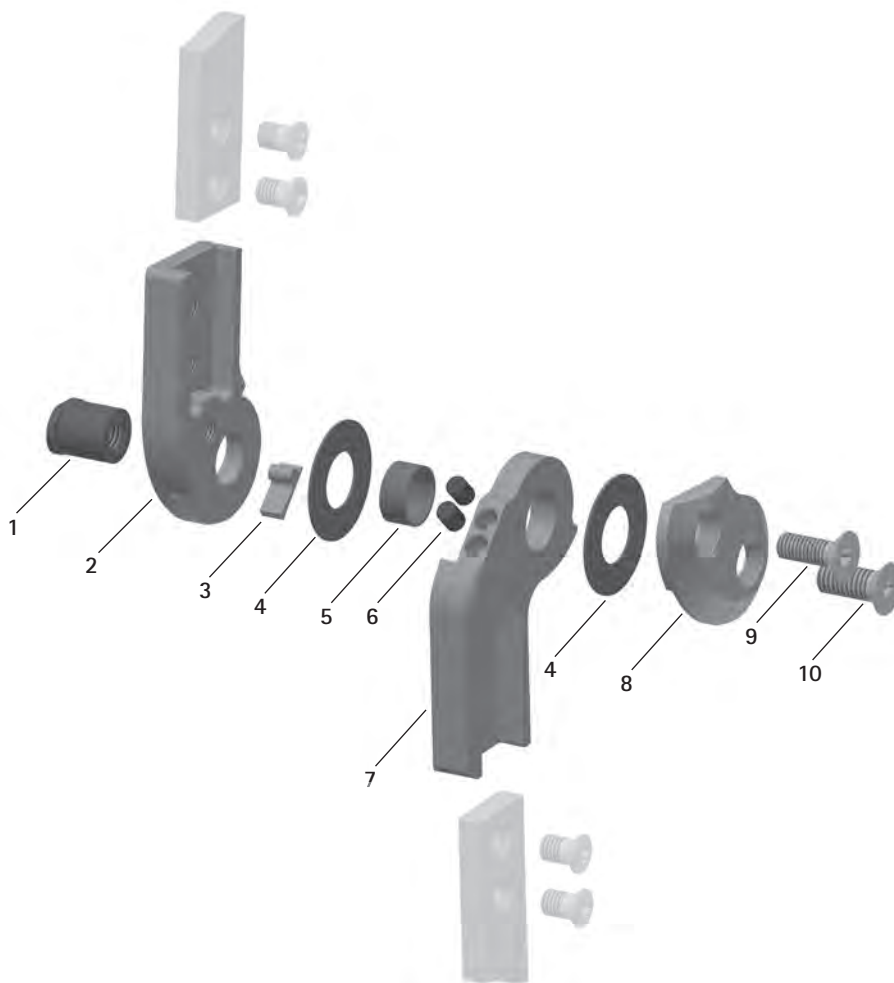
NEURO CLASSIC

NEURO VARIO

NEURO ACTIVE
SYSTEM JOINT

NEURO ACTIVE
ARTICULATED SYSTEM SIDE BAR

Spare Parts

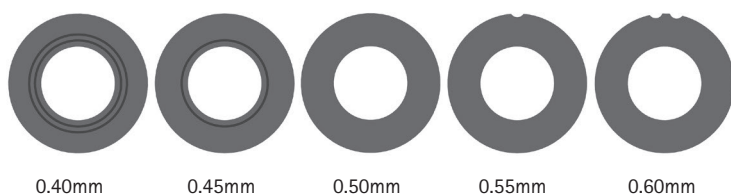


Spare Parts					
Item	Article number for system width				Description
	12mm	14mm	16mm	20mm	
1	SB8559-L0930	SB9669-L0950	SB1069-L1060	SB1069-L1220	Bearing nut
2	SK0141-2L/ST	SK0142-2L/ST	SK0143-2L/ST	SK0145-2L/ST	Upper part, left lateral or right medial, straight, steel
2	SK0141-2R/ST	SK0142-2R/ST	SK0143-2R/ST	SK0145-2R/ST	Upper part, left medial or right lateral, straight, steel
2	SK0141-2L/TI	SK0142-2L/TI	SK0143-2L/TI	SK0145-2L/TI	Upper part, left lateral or right medial, straight, titanium
2	SK0141-2R/TI	SK0142-2R/TI	SK0143-2R/TI	SK0145-2R/TI	Upper part, left medial or right lateral, straight, titanium
2	SK0161-2L/ST	SK0162-2L/ST	SK0163-2L/ST	SK0165-2L/ST	Upper part, left lateral or right medial, bent inwards, steel
2	SK0161-2R/ST	SK0162-2R/ST	SK0163-2R/ST	SK0165-2R/ST	Upper part, left medial or right lateral, bent inwards, steel
2	SK0161-2L/TI	SK0162-2L/TI	SK0163-2L/TI	SK0165-2L/TI	Upper part, left lateral or right medial, bent inwards, titanium
2	SK0161-2R/TI	SK0162-2R/TI	SK0163-2R/TI	SK0165-2R/TI	Upper part, left medial or right lateral, bent inwards, titanium
2	SK0161-9L/ST	SK0162-9L/ST	SK0163-9L/ST	SK0165-9L/ST	Upper part, left lateral or right medial, bent outwards, steel
2	SK0161-9R/ST	SK0162-9R/ST	SK0163-9R/ST	SK0165-9R/ST	Upper part, left medial or right lateral, bent outwards, steel
2	SK0161-9L/TI	SK0162-9L/TI	SK0163-9L/TI	SK0165-9L/TI	Upper part, left lateral or right medial, bent outwards, titanium
2	SK0161-9R/TI	SK0162-9R/TI	SK0163-9R/TI	SK0165-9R/TI	Upper part, left medial or right lateral, bent outwards, titanium
3	SK9521-E005	SK9522-E005	SK9523-E005	SK9525-E005	5° extension stop
4	GS1609-*	GS1910-*	GS2311-*	GS2611-*	Sliding washer*
5	BP1009-L050	BP1110-L050	BP1211-L055	BP1211-L060	Sliding bushing
6	PN1000-L05/5	PN1000-L05/5	PN1000-L05/5	PN1000-L05/5	Extension stop damper
7	SL0111-L/ST	SL0112-L/ST	SL0113-L/ST	SL0115-L/ST	Lower part, left lateral or right medial, straight, steel
7	SL0111-R/ST	SL0112-R/ST	SL0113-R/ST	SL0115-R/ST	Lower part, left medial or right lateral, straight, steel
7	SL0111-L/TI	SL0112-L/TI	SL0113-L/TI	SL0115-L/TI	Lower part, left lateral or right medial, straight, titanium
7	SL0111-R/TI	SL0112-R/TI	SL0113-R/TI	SL0115-R/TI	Lower part, left medial or right lateral, straight, titanium
7	SL0131-L/ST	SL0132-L/ST	SL0133-L/ST	SL0135-L/ST	Lower part, left lateral or right medial, bent inwards, steel
7	SL0131-R/ST	SL0132-R/ST	SL0133-R/ST	SL0135-R/ST	Lower part, left medial or right lateral, bent inwards, steel
7	SL0131-L/TI	SL0132-L/TI	SL0133-L/TI	SL0135-L/TI	Lower part, left lateral or right medial, bent inwards, titanium
7	SL0131-R/TI	SL0132-R/TI	SL0133-R/TI	SL0135-R/TI	Lower part, left medial or right lateral, bent inwards, titanium
7	SL0131-8L/ST	SL0132-8L/ST	SL0133-8L/ST	SL0135-8L/ST	Lower part, left lateral or right medial, bent outwards, steel
7	SL0131-8R/ST	SL0132-8R/ST	SL0133-8R/ST	SL0135-8R/ST	Lower part, left medial or right lateral, bent outwards, steel
7	SL0131-8L/TI	SL0132-8L/TI	SL0133-8L/TI	SL0135-8L/TI	Lower part, left lateral or right medial, bent outwards, titanium
7	SL0131-8R/TI	SL0132-8R/TI	SL0133-8R/TI	SL0135-8R/TI	Lower part, left medial or right lateral, bent outwards, titanium
8	SK0191-L/AL	SK0192-L/AL	SK0193-L/AL	SK0195-L/AL	Cover plate, left lateral or right medial, aluminium
8	SK0191-R/AL	SK0192-R/AL	SK0193-R/AL	SK0195-R/AL	Cover plate, left medial or right lateral, aluminium
9	SC1404-L12	SC1405-L12	SC1405-L14	SC1405-L14	Countersunk flat head screw, hexalobular socket
10	SC1405-L12	SC1405-L12	SC1405-L14	SC1406-L14	Countersunk flat head screw, hexalobular socket (axle screw)
W/o fig.	SC0403-L08	SC0403-L08	SC0403-L10	SC0403-L10	Pan head screw for exchanging extension stops

* Sliding Washers

	Article number for system width			
	12mm	14mm	16mm	20mm
	Ø = 16mm	Ø = 19mm	Ø = 23mm	Ø = 26mm
	GS1609-040	GS1910-040	GS2311-040	GS2611-040
	GS1609-045	GS1910-045	GS2311-045	GS2611-045
	GS1609-050	GS1910-050	GS2311-050	GS2611-050
	GS1609-055	GS1910-055	GS2311-055	GS2611-055
	GS1609-060	GS1910-060	GS2311-060	GS2611-060

The last three digits of the article number stand for the thickness of the sliding washer e.g. GS1407-040. The thickness of this sliding washer is 0.40mm. In total, the sliding washers are available in five different thicknesses. The thickness of a sliding washer is indicated by the markings. For example, a sliding washer with two grooves is 0.40mm thick, whereas a sliding washer with one notch is 0.55mm thick.



→ You will find system side bars and system anchors on catalogue page F1ff.

NEURO CLASSIC zero

NEURO VARIO zero

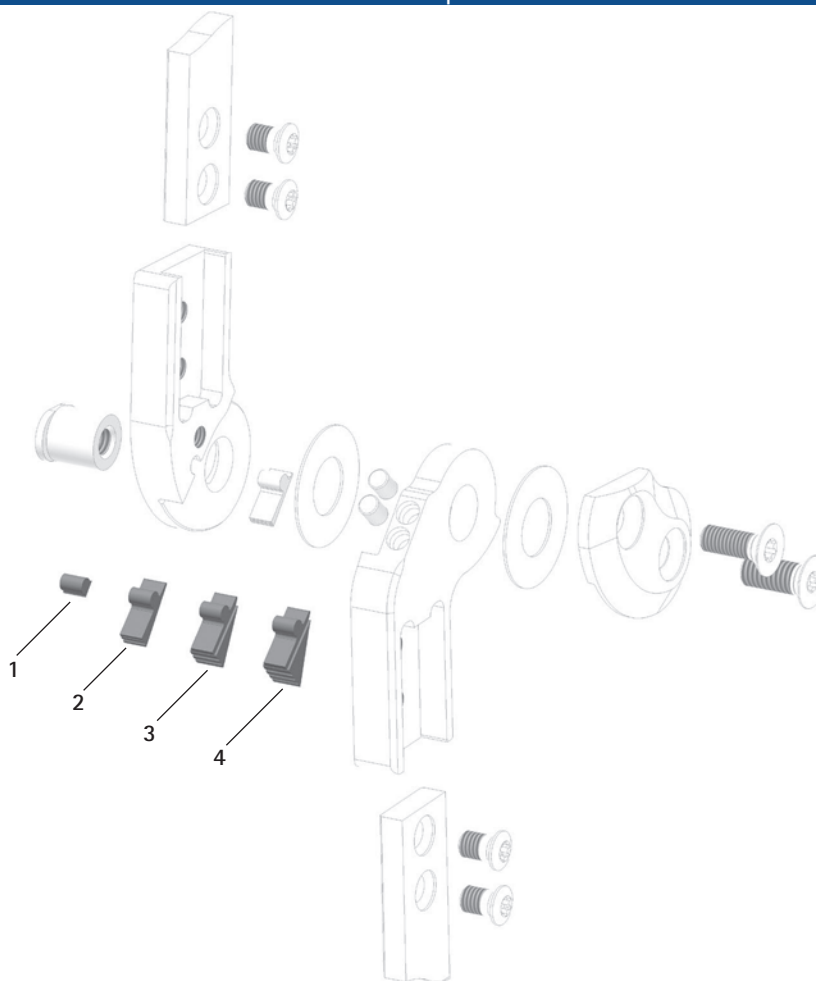
NEURO CLASSIC

NEURO VARIO

NEURO ACTIVE
SYSTEM JOINT

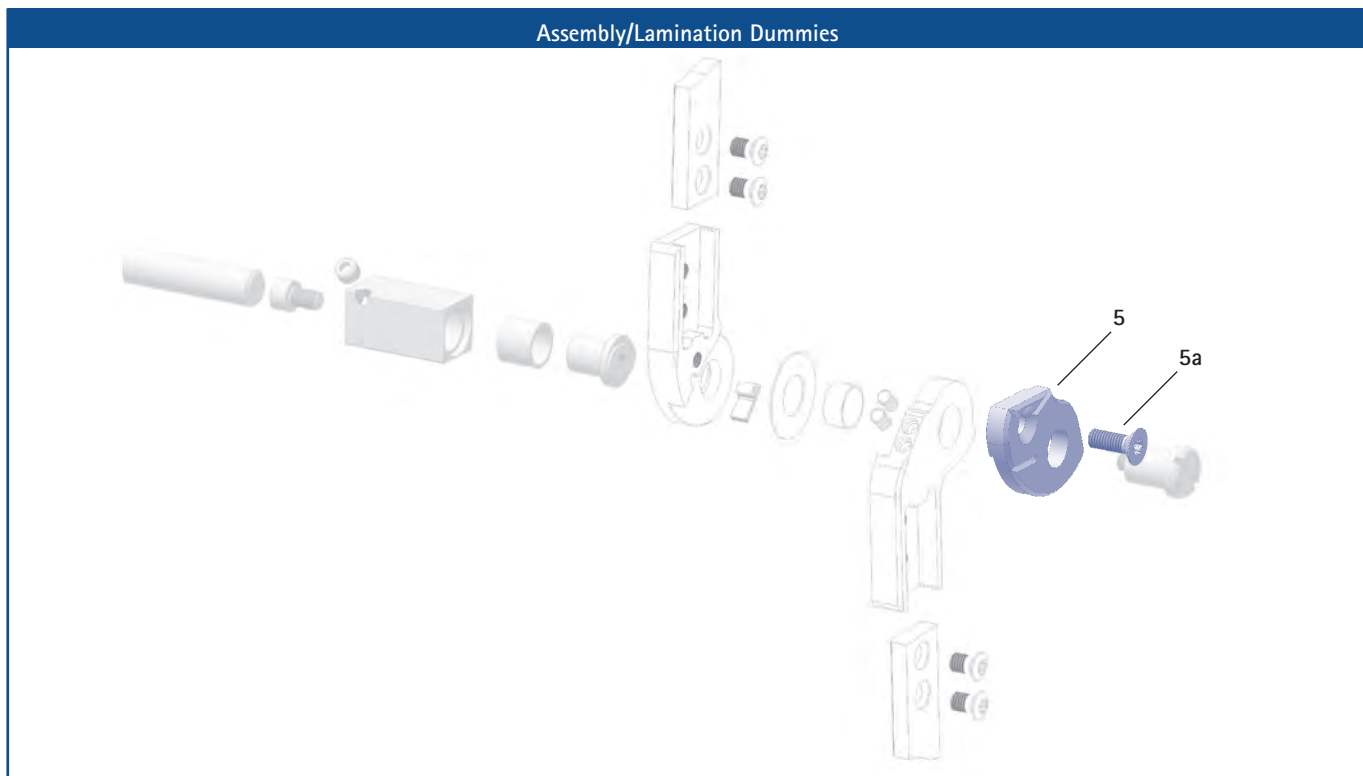
NEURO ACTIVE
ARTICULATED SYSTEM SIDE BAR

Extension Stops



Accessory Parts

Item	Article number for system width				Description
	12mm	14mm	16mm	20mm	
1	SJ9021-E000	SJ9022-E000	SJ9023-E000	SJ9025-E000	0° extension stop
2	SK9521-E010	SK9522-E010	SK9523-E010	SK9525-E010	10° extension stop
3	SK9521-E020	SK9522-E020	SK9523-E020	SK9525-E020	20° extension stop
4	SK9521-E030	SK9522-E030	SK9523-E030	SK9525-E030	30° extension stop
1-4	SK9521	SK9522	SK9523	SK9525	Set of stops, 0°, 10°, 20°, 30° extension stops (1 of each)



Assembly/Lamination Dummies						
Item	Article number for system width				Description	Unit
	12mm	14mm	16mm	20mm		
5	SL0911-L	SL0912-L	SL0913-L	SL0915-L	Assembly/lamination dummy, left lateral or right medial (1 dummy with screw)	Piece
5	SL0911-R	SL0912-R	SL0913-R	SL0915-R	Assembly/lamination dummy, left medial or right lateral (1 dummy with screw)	Piece
5a	SC1404-L12	SC1405-L12	SC1405-L14	SC1405-L14	Countersunk flat head screw, hexalobular socket	Piece

- ➔ Assembly/lamination dummies are included in the scope of delivery of the system joints.
- ➔ You will find an overview of our tools on catalogue page G1ff.

NEURO CLASSIC zero

NEURO VARIO zero

NEURO CLASSIC

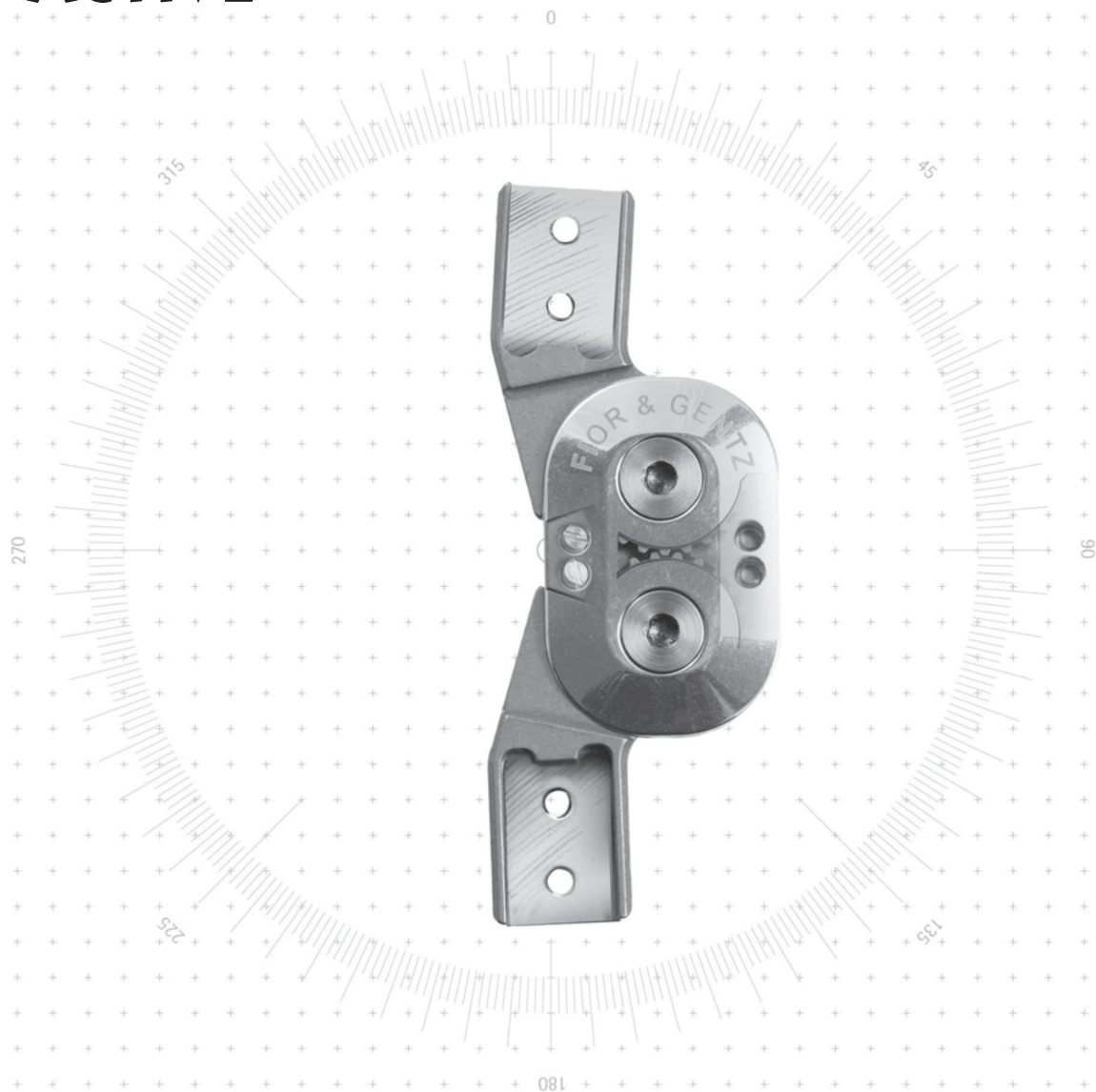
NEURO VARIO

NEURO ACTIVE SYSTEM JOINT

NEURO ACTIVE ARTICULATED SYSTEM SIDE BAR



NEURO ACTIVE



Product Information

Basic function at delivery status:

- ➔ Free moving, polycentric joint to control and support the motion
- ➔ Secured standing through integrated posterior offset (for explanations concerning the integrated posterior offset, see catalogue page G3)
- ➔ Joint preassembled in a physiological joint angle of 5°

Alternative function with accessory parts:

- ➔ The range of motion in extension and flexion can be adjusted in a variety of ways through exchangeable stops.

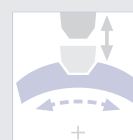
Further Sources of Information

Source of information	Article number	Link
Manual	PB2000-SK	www.fior-gentz.com
Production techniques	-	

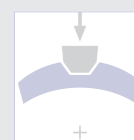
System Knee Joint Function



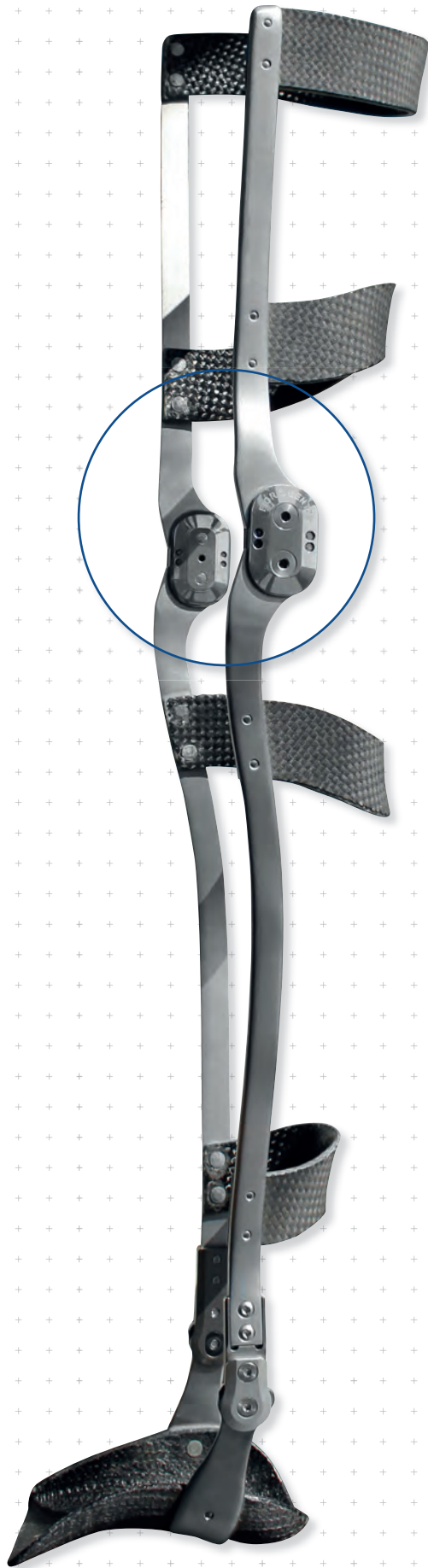
free moving



automatic



locked



NEURO CLASSIC zero

NEURO VARIO zero

NEURO CLASSIC

NEURO VARIO

NEURO ACTIVE
SYSTEM JOINT

NEURO ACTIVE
ARTICULATED SYSTEM SIDE BAR

NEURO CLASSIC zero

NEURO VARIO zero

NEURO CLASSIC

NEURO VARIO

NEURO ACTIVE
SYSTEM JOINT

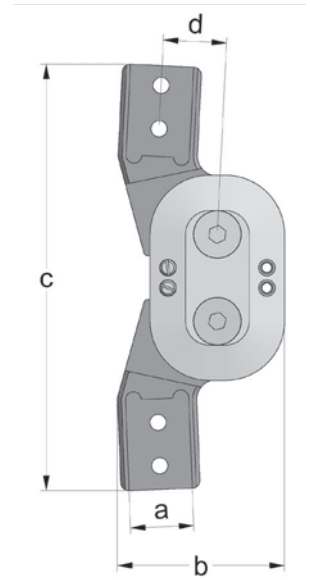
NEURO ACTIVE
ARTICULATED SYSTEM SIDE BAR



16mm

Joint Dimensions [mm]		
Dimension	Description	System width a 16mm
b	Joint head width	42.2
c	Joint height	108.0
d	Posterior offset	16.0
	Joint head thickness	10.9

Joint Weights [g]		
Material	Unit	System width 16mm
Steel	Piece	137



The NEURO ACTIVE system knee joint is delivered with the following articles:	
Description	
AGOMET F330, 5g	
Orthosis joint grease, 3g	
Assembly/lamination dummy	

➔ System side bars/anchors have to be ordered separately.
You will find system side bars/anchors on catalogue page F1ff.

C50.3



Straight
Fig. 1



Bent inwards distally
Fig. 2



Bent inwards proximally and distally
Fig. 3

Straight (fig. 1)			
Material	Leg side	Unit	Article number for system width 16mm
Steel	Left lateral or right medial	Piece	SK2303-L/ST
	Left medial or right lateral	Piece	SK2303-R/ST

Bent Inwards Distally (fig. 2)			
Material	Leg side	Unit	Article number for system width 16mm
Steel	Left lateral or right medial	Piece	SK2313-L/ST
	Left medial or right lateral	Piece	SK2313-R/ST

Bent Inwards Proximally and Distally (fig. 3)			
Material	Leg side	Unit	Article number for system width 16mm
Steel	Left lateral or right medial	Piece	SK2323-L/ST
	Left medial or right lateral	Piece	SK2323-R/ST

NEURO CLASSIC zero

NEURO VARIO zero

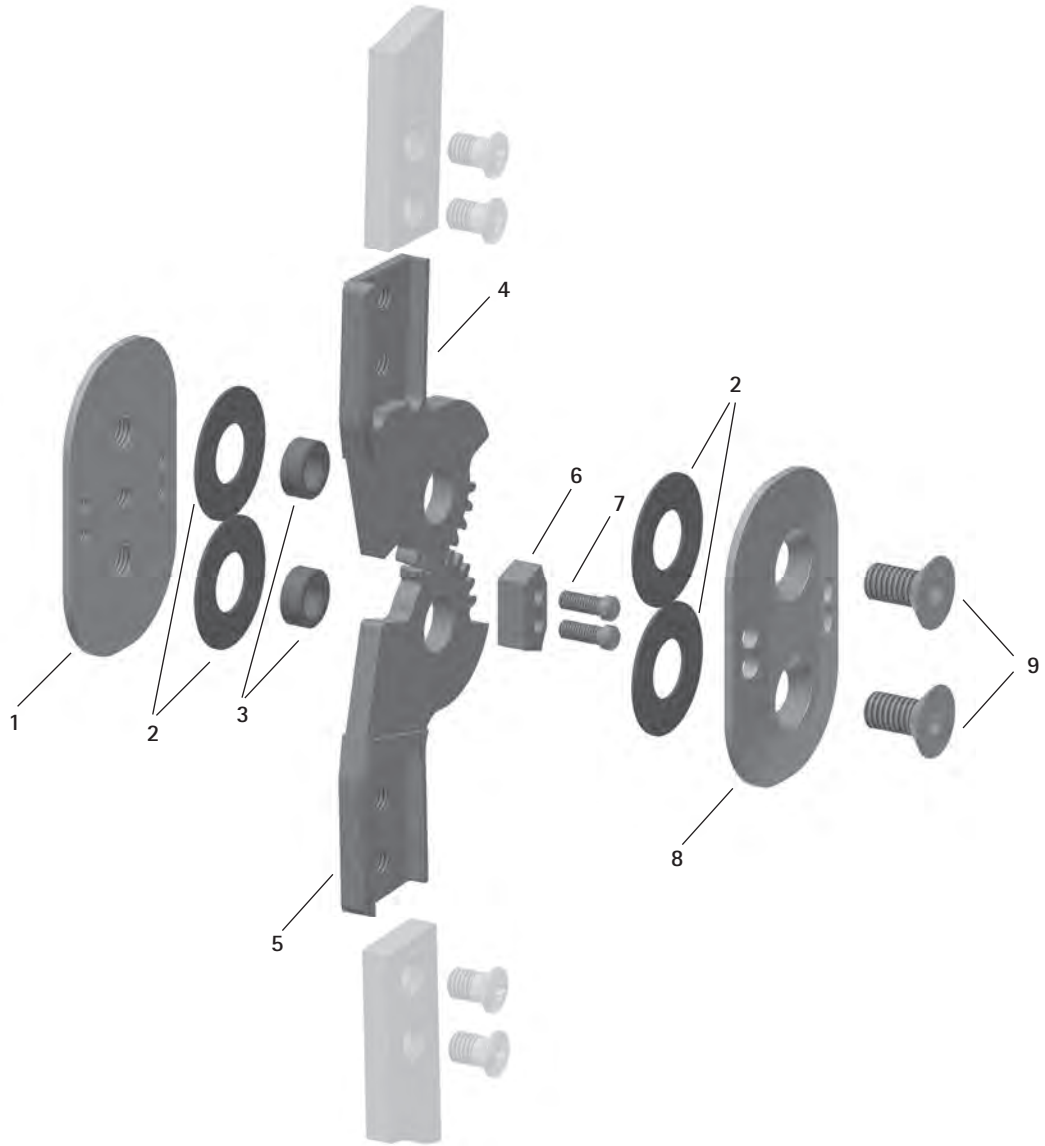
NEURO CLASSIC

NEURO VARIO

NEURO ACTIVE
SYSTEM JOINT

NEURO ACTIVE
ARTICULATED SYSTEM SIDE BAR

Spare Parts



Spare Parts		
Item	Article number for system width 16mm	Description
1	SK0250-ST	Base plate
2	GS2210-050	Sliding washer
3	BB966*	Bronze bushing*
4	SK0203-L/ST	Upper part, left lateral or right medial, straight, steel
4	SK0203-R/ST	Upper part, left medial or right lateral, straight, steel
4	SK0223-L/ST	Upper part, left lateral or right medial, bent inwards, steel
4	SK0223-R/ST	Upper part, left medial or right lateral, bent inwards, steel
5	SK0213-L/ST	Lower part, left lateral or right medial, straight, steel
5	SK0213-R/ST	Lower part, left medial or right lateral, straight, steel
5	SK0233-L/ST	Lower part, left lateral or right medial, bent inwards, steel
5	SK0233-R/ST	Lower part, left medial or right lateral, bent inwards, steel
6	BK9051-E005	5° extension stop
7	SC2103-L08	Slotted pan head screw
8	SK0251-ST	Cover plate
9	SC1016-L12	Countersunk flat head screw with hexagon socket and shank

* Bronze Bushings

Article number and height for system width 16mm	
Ø = 9.6mm	Height (h)
BB9664-86	4.86mm
BB9664-89	4.89mm
BB9664-92	4.92mm
BB9664-95	4.95mm
BB9664-98	4.98mm
BB9665-01	5.01mm
BB9665-04	5.04mm



The last three digits of the article number stand for the height (h) of the bronze bushing e.g. BB9662-09.

The height of this bronze bushing is 2.09mm. It is engraved on the outside of the bronze bushing. Note and respect that when reordering.

If the digits are illegible, measure the height.

➔ You will find system side bars and system anchors on catalogue page F1ff.

NEURO CLASSIC zero

NEURO VARIO zero

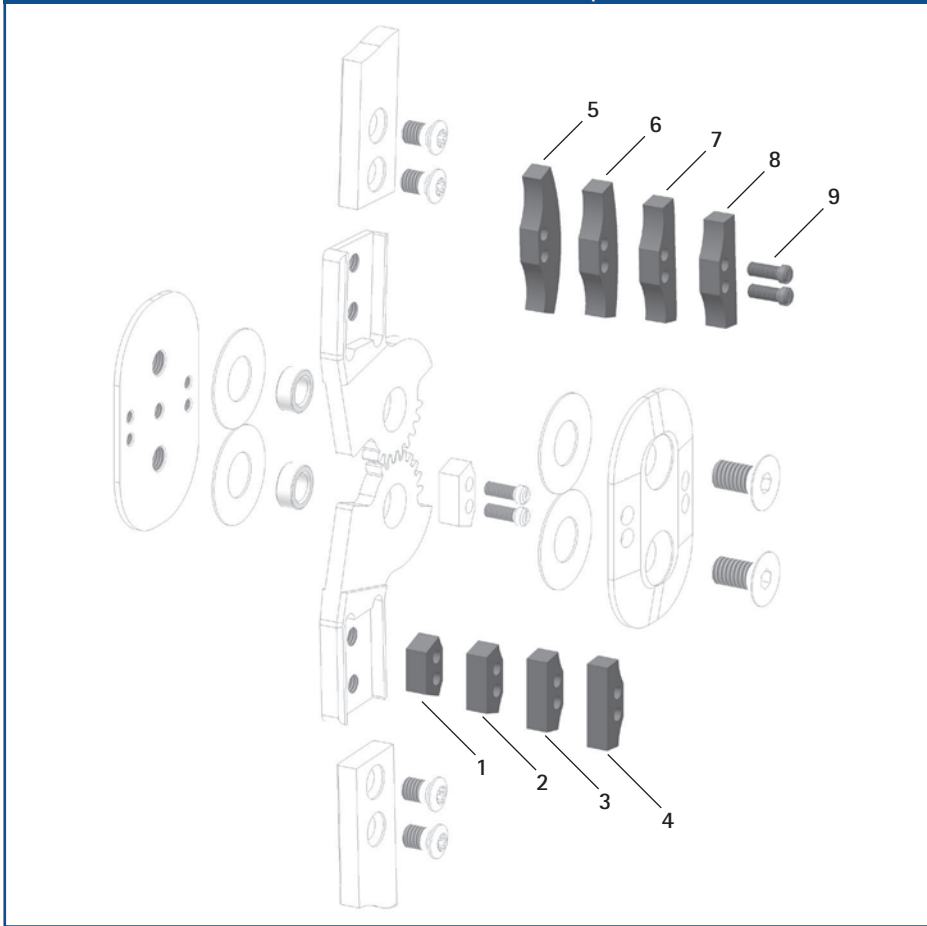
NEURO CLASSIC

NEURO VARIO

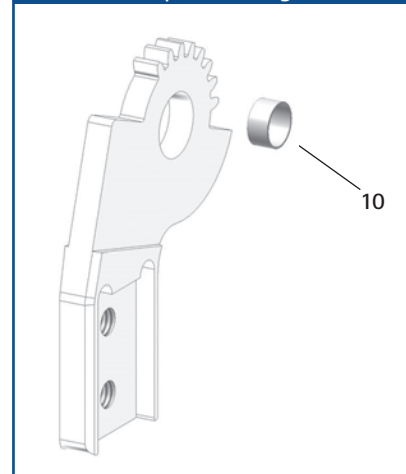
NEURO ACTIVE
SYSTEM JOINT

NEURO ACTIVE
ARTICULATED SYSTEM SIDE BAR

Extension and Flexion Stops



Repair Bushing



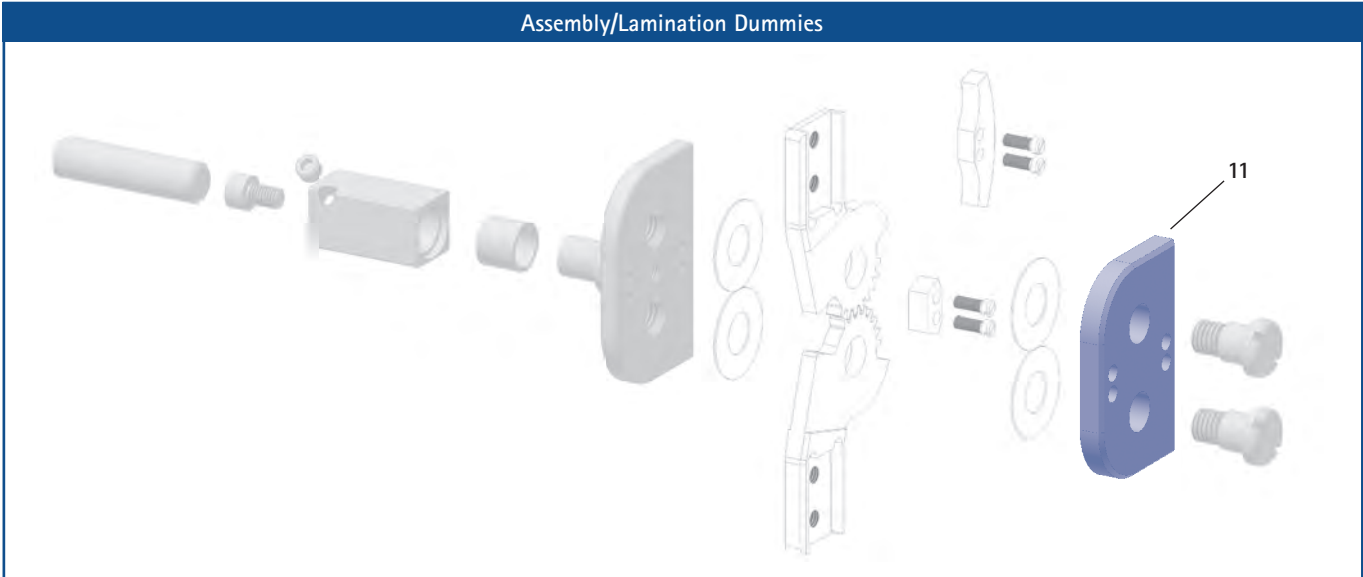
Accessory Parts

Item	Article number for system width		Description
	16mm		
1	BK9051-E000		0° extension stop/80° flexion stop*
2	BK9051-E010		10° extension stop/70° flexion stop*
3	BK9051-E020		20° extension stop/60° flexion stop*
4	BK9051-E030		30° extension stop/50° flexion stop*
5	BK9051-F000*		0° flexion stop*
6	BK9051-F010*		10° flexion stop*
7	BK9051-F020*		20° flexion stop*
8	BK9051-F030*		30° flexion stop*
9	SC2103-L08		Slotted pan head screw
10	BP1110-L039**		Repair bushing**

* Stop without screws

** You will find special reaming tools on catalogue page G11.

Assembly/Lamination Dummies



NEURO CLASSIC zero

NEURO VARIO zero

Assembly/Lamination Dummies

Item	Article number for system width 16mm	Description	Unit
11	SK0923-LR	Assembly/lamination dummy	Piece

- ➔ Assembly/lamination dummies are included in the scope of delivery of the system joints.
- ➔ You will find an overview of our tools on catalogue page G1ff.

NEURO CLASSIC

NEURO VARIO

NEURO ACTIVE
SYSTEM JOINT

NEURO ACTIVE
ARTICULATED SYSTEM SIDE BAR



NEURO ACTIVE



Product Information

Basic function at delivery status:

- ➔ Free moving, polycentric joint to control and support the motion
- ➔ Secured standing through integrated posterior offset (for explanations concerning the integrated posterior offset, see catalogue page G3)
- ➔ Joint preassembled in a physiological joint angle of 5°

Alternative function with accessory parts:

- ➔ The range of motion in extension and flexion can be adjusted in a variety of ways through exchangeable stops.

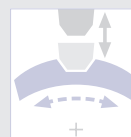
Further Sources of Information

Source of information	Article number	Link
Manual	PB2000-BK	www.fior-geitz.com
Production technique	-	

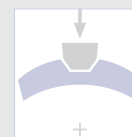
System Knee Joint Function



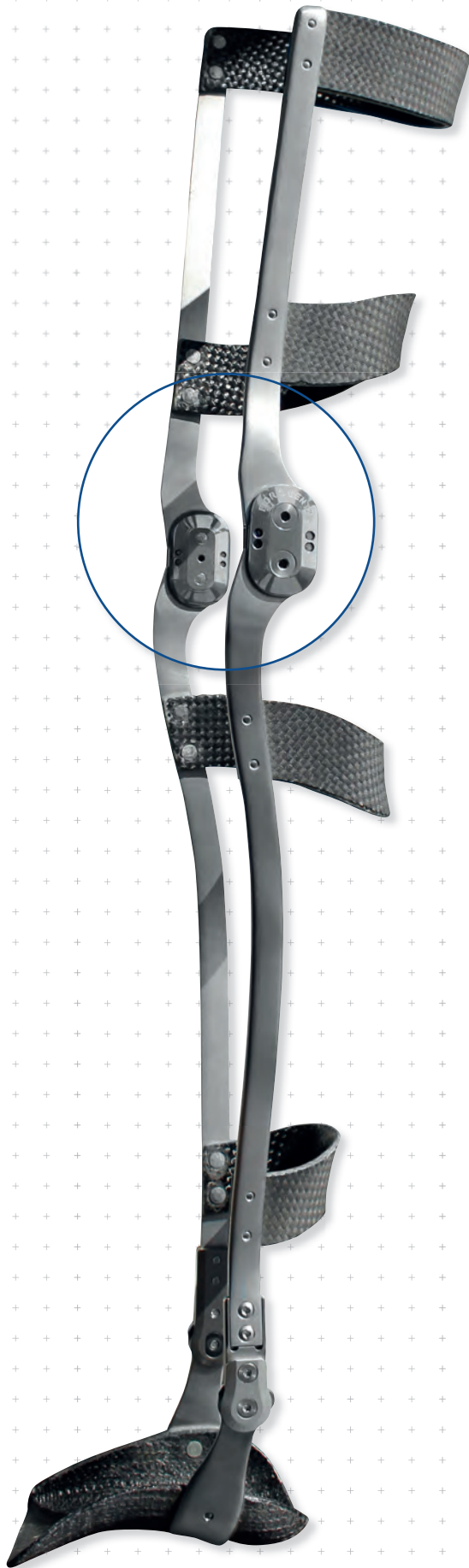
free moving



automatic



locked



NEURO CLASSIC zero

NEURO VARIO zero

NEURO CLASSIC

NEURO VARIO

NEURO ACTIVE
SYSTEM JOINT

NEURO ACTIVE
ARTICULATED SYSTEM SIDE BAR

Articulated System Side Bars NEURO ACTIVE

NEURO CLASSIC zero

NEURO VARIO zero



10mm

14mm

16mm

20mm

NEURO CLASSIC

NEURO VARIO

NEURO ACTIVE
SYSTEM JOINT

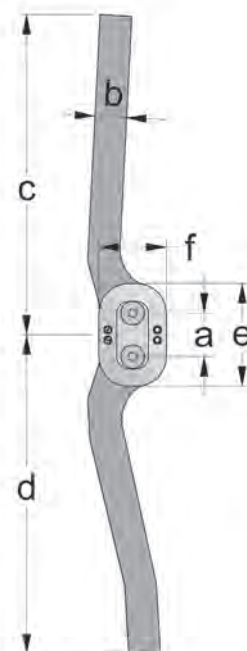
NEURO ACTIVE
ARTICULATED SYSTEM SIDE BAR

Articulated Side Bar Dimensions [mm]

Dimension	Description	System width b			
		10mm	14mm	16mm	20mm
a	Centre distance	16.0	16.0	22.0	22.0
c	Side bar length	200.0	280.0	360.0	440.0
d	Side bar length	320.0	400.0	480.0	560.0
e	Cover height	42.0	42.0	52.0	52.0
f	Cover width	26.0	26.0	34.0	34.0
	Side bar thickness	3.0	4.0	5.0	6.0
	Joint head thickness	9.9	10.9	11.0	12.9
	Posterior offset	10.0	14.0	16.0	20.0

Articulated Side Bar Weight [g]

Material	Unit	System width			
		10mm	14mm	16mm	20mm
Aluminium	Pair	128	260	542	828
	Piece	64	130	271	414



The NEURO ACTIVE articulated system side bar is delivered with the following articles:

- Description
- Orthosis joint grease, 3g
- Assembly/lamination dummy



Straight
Fig. 1

Straight (fig. 1)						
Material	Leg/leg side	Unit	Article number for system width			
			10mm	14mm	16mm	20mm
Aluminium	Left or right	Pair	BK2200-AL	BK2302-AL	BK2303-AL	BK2405-AL
	Left lateral or right medial	Piece	BK2200-L/AL	BK2302-L/AL	BK2303-L/AL	BK2405-L/AL
	Left medial or right lateral	Piece	BK2200-R/AL	BK2302-R/AL	BK2303-R/AL	BK2405-R/AL

NEURO CLASSIC zero

NEURO VARIO zero

NEURO CLASSIC

NEURO VARIO

NEURO ACTIVE
SYSTEM JOINT

NEURO ACTIVE
ARTICULATED SYSTEM SIDE BAR

NEURO CLASSIC zero

NEURO VARIO zero

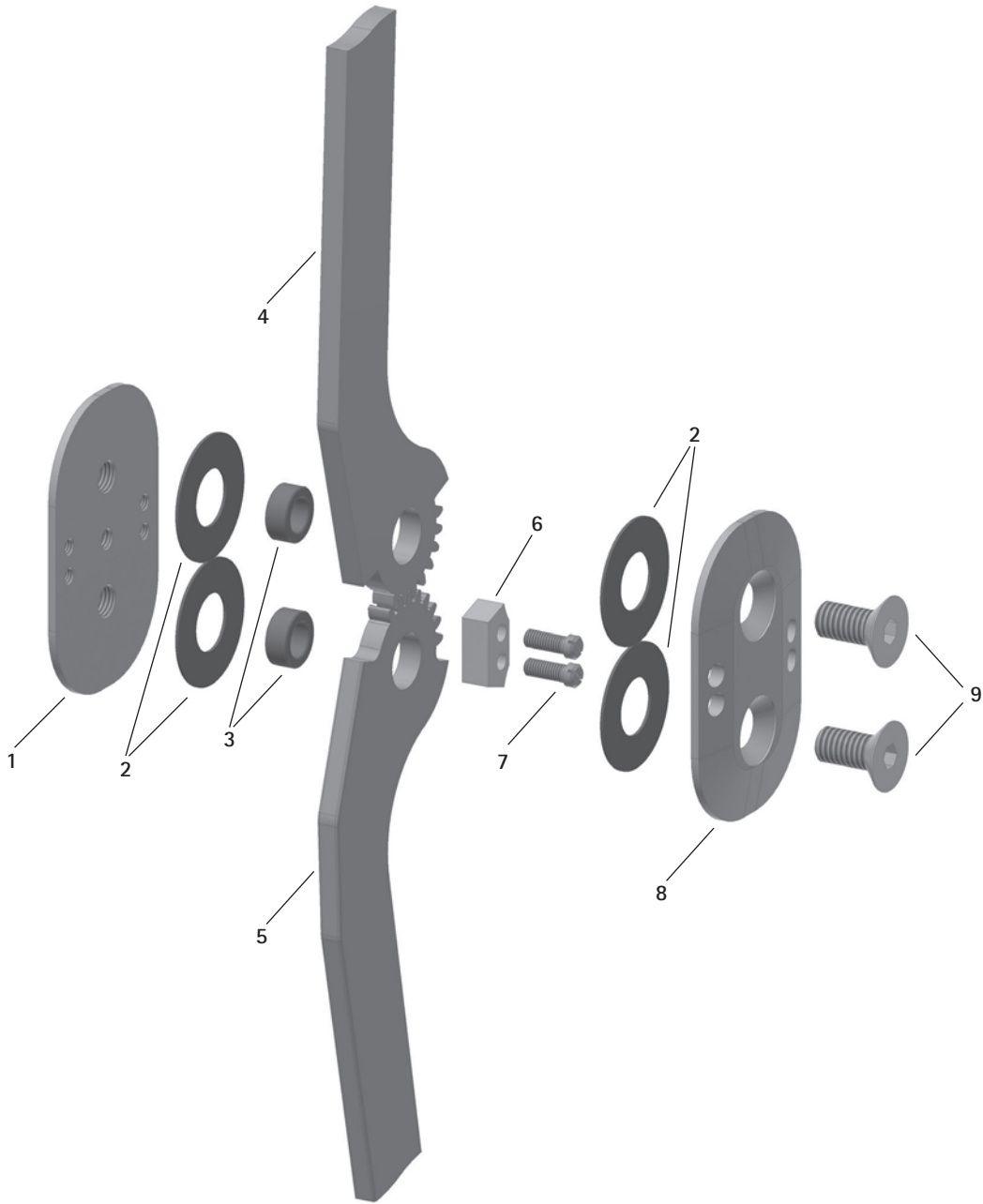
NEURO CLASSIC

NEURO VARIO

NEURO ACTIVE
SYSTEM JOINT

NEURO ACTIVE
ARTICULATED SYSTEM SIDE BAR

Spare Parts



Spare Parts					
Item	Article number for system width				Description
	10mm	14mm	16mm	20mm	
1	KS0150-AL	KS0150-AL	SK0250-ST	SK0250-ST	Base plate
2	GS1609-050	GS1609-050	GS2210-050	GS2210-050	Sliding washer
3	BB8553-*	BB8554-*	BB9665-*	BB9666-*	Bronze bushing*
4	BK0200-AL	BK0202-AL	BK0203-AL	BK0205-AL	Femoral side bar wing, aluminium
5	BK0210-AL	BK0212-AL	BK0213-AL	BK0215-AL	Tibial side bar wing, aluminium
6	KS9502-E005	KS9502-E005	BK9051-E005	BK9061-E005	5° extension stop
7	SC2103-L06	SC2103-L06	SC2103-L08	SC2103-L08	Slotted pan head screw
8	KS0151-AL/FG	KS0151-AL/FG	SK0251-ST	SK0251-ST	Cover plate
9	SC1015-L11	SC1015-L12	SC1016-L13	SC1016-L14	Countersunk flat head screw with hexagon socket and shank

* Bronze Bushings								
Article number and height for system width								
10mm		14mm		16mm		20mm		
Ø = 8.5mm	Height (h)	Ø = 8.5mm	Height (h)	Ø = 9.6mm	Height (h)	Ø = 9.6mm	Height (h)	
BB8553-86	3.86mm	BB8554-86	4.86mm	BB9665-86	5.86mm	BB9666-86	6.86mm	
BB8553-89	3.89mm	BB8554-89	4.89mm	BB9665-89	5.89mm	BB9666-89	6.89mm	
BB8553-92	3.92mm	BB8554-92	4.92mm	BB9665-92	5.92mm	BB9666-92	6.92mm	
BB8553-95	3.95mm	BB8554-95	4.95mm	BB9665-95	5.95mm	BB9666-95	6.95mm	
BB8553-98	3.98mm	BB8554-98	4.98mm	BB9665-98	5.98mm	BB9666-98	6.98mm	

The last three digits of the article number stand for the height (h) of the bronze bushing, e.g. BB9662-09. The height of this bronze bushing is 2.09mm. It is engraved on the outside of the bronze bushing. Note and respect that when reordering. If the digits are illegible, measure the height.



NEURO CLASSIC zero

NEURO VARIO zero

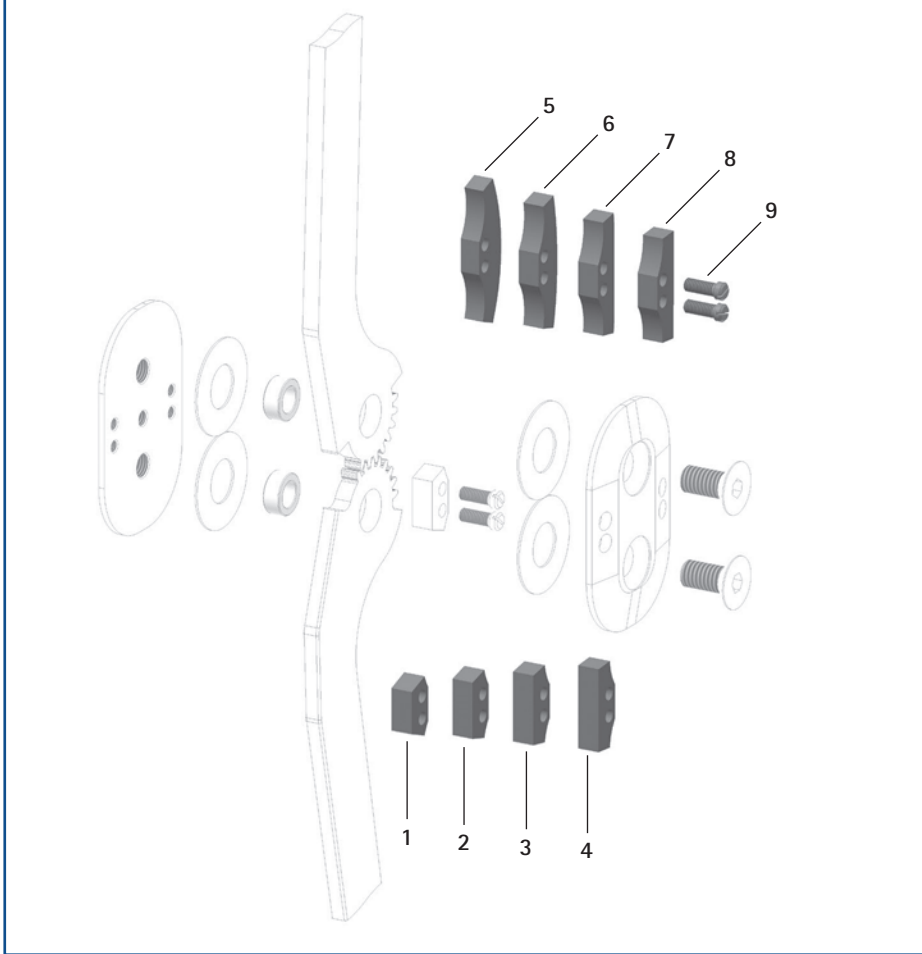
NEURO CLASSIC

NEURO VARIO

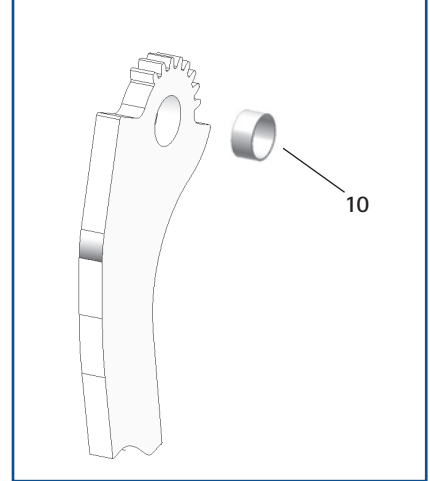
NEURO ACTIVE
SYSTEM JOINT

NEURO ACTIVE
ARTICULATED SYSTEM SIDE BAR

Extension and Flexion Stops



Repair Bushing

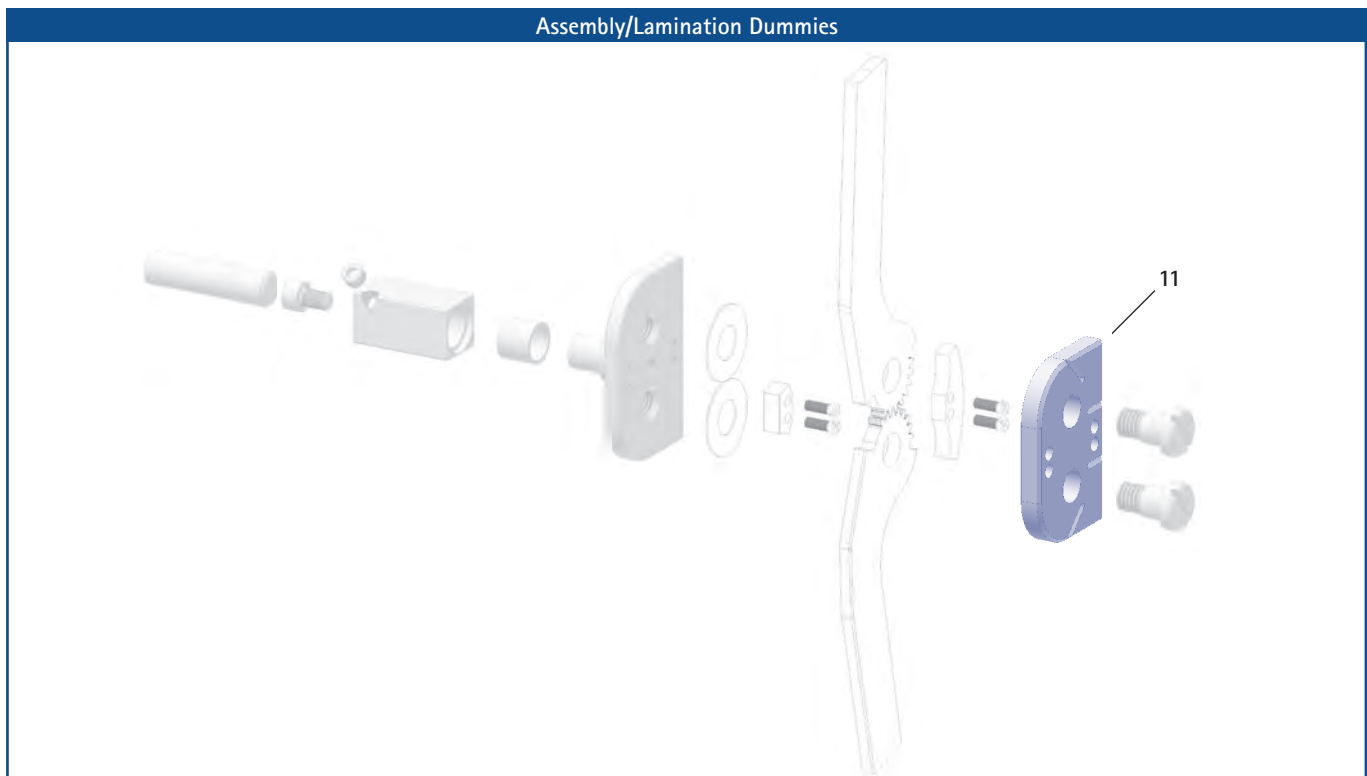


Accessory Parts

Item	Article number for system width				Description
	10mm	14mm	16mm	20mm	
1	KS9502-E000	KS9502-E000	-	-	0° extension stop/100° flexion stop
1	-	-	BK9051-E000	BK9061-E000	0° extension stop/80° flexion stop
2	KS9502-E010	KS9502-E010	-	-	10° extension stop/90° flexion stop
2	-	-	BK9051-E010	BK9061-E010	10° extension stop/70° flexion stop
3	KS9502-E020	KS9502-E020	-	-	20° extension stop/80° flexion stop
3	-	-	BK9051-E020	BK9061-E020	20° extension stop/60° flexion stop
4	KS9502-E030	KS9502-E030	-	-	30° extension stop/70° flexion stop
4	-	-	BK9051-E030	BK9061-E030	30° extension stop/50° flexion stop
5	KS9502-F000*	KS9502-F000*	BK9051-F000*	BK9061-F000*	0° flexion stop*
6	KS9502-F010*	KS9502-F010*	BK9051-F010*	BK9061-F010*	10° flexion stop*
7	KS9502-F020*	KS9502-F020*	BK9051-F020*	BK9061-F020*	20° flexion stop*
8	KS9502-F030*	KS9502-F030*	BK9051-F030*	BK9061-F030*	30° flexion stop*
9	SC2103-L06	SC2103-L06	SC2103-L08	SC2103-L08	Slotted pan head screw
10	BP1009-L029**	BP1009-L039**	BP1110-L049**	BP1110-L059**	Repair bushing**

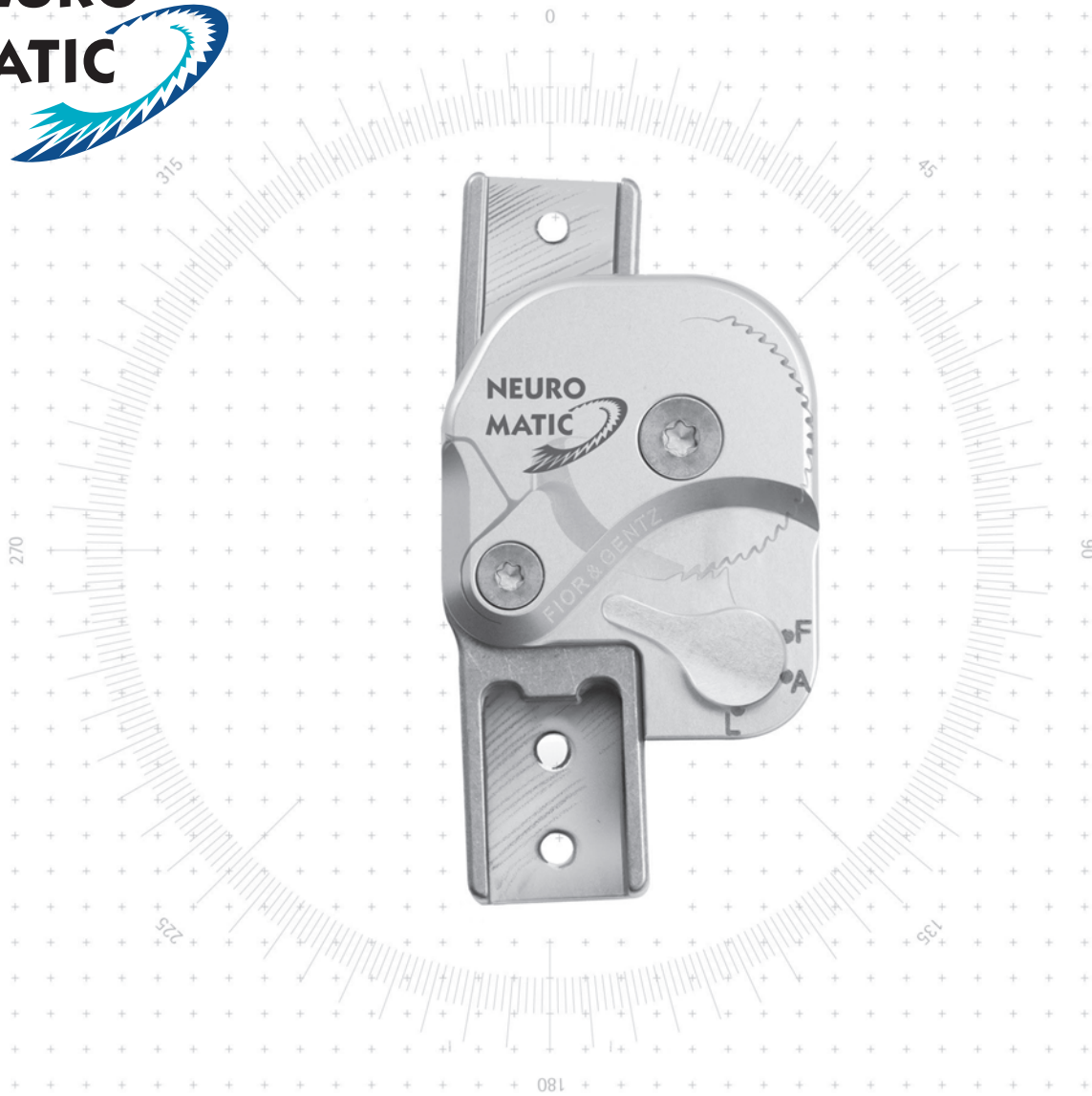
* For each flexion stop, you need two slotted pan head screws.

** You will find special reaming tools on catalogue page G11.



Assembly/Lamination Dummies						
Item	Article number for system width				Description	Unit
	10mm	14mm	16mm	20mm		
11	KS0250	KS0250	SK0923-LR	SK0923-LR	Assembly/lamination dummy	Piece

- ➔ Assembly/lamination dummies are included in the scope of delivery of the system joints.
- ➔ You will find an overview of our tools on catalogue page G1ff.



Product Information

Basic function at delivery status in Auto mode:
 ➔ Automatic joint to control and support the motion
 ➔ The joint is mechanically locked and unlocked.

Alternative function in Lock mode:
 ➔ Locked joint to control and support the motion
 ➔ Joint preassembled in a physiological joint angle of 5°
 ➔ Joint is permanently mechanically locked.

Alternative function in Free mode:
 ➔ Free moving, monocentric joint to control and support the motion
 ➔ Secured standing through integrated posterior offset (for explanations concerning the integrated posterior offset, see catalogue page G3)
 ➔ Joint preassembled in a physiological joint angle of 5°
 ➔ Joint is permanently unlocked mechanically.

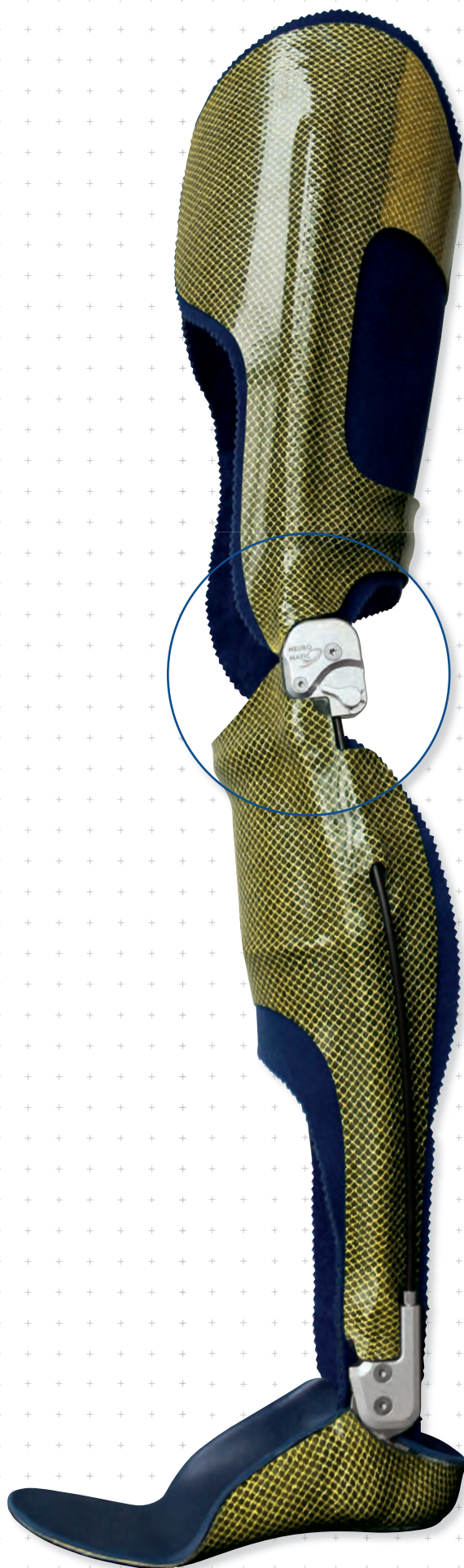
Conversion:
 The NEURO MATIC can be converted into a NEURO TRONIC joint by exchanging different components.

Further Sources of Information

Source of information	Article number	Link
Manual	PB3000-SK	www.fior-gentz.com
Patient information	PB3000-SK/1D	
Leaflet	PR0219-GB	
Production techniques	-	

System Knee Joint Function







16mm



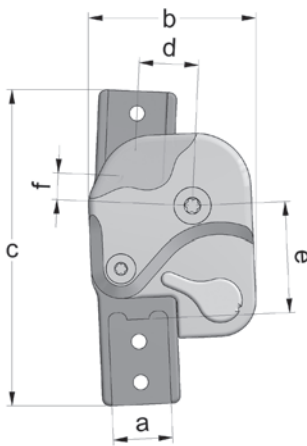
20mm

Joint Dimensions [mm]

Dimension	Description	System width a	
		16mm	20mm
b	Joint head width	45.2	56.4
c	Joint height	85.1	94.6
d	Posterior offset	16.0	20.0
e	Dist. pivot point - lower system case	29.8	32.2
f	Dist. pivot point - upper system case	7.2	7.8
	Joint head thickness	15.2	15.2

Joint Weights [g]

Material	Unit	System width	
		16mm	20mm
Titanium	Piece	108	158



The NEURO MATIC system knee joint is delivered with the following articles:

Description
AGOMET F330, 5g
Orthosis joint grease, 3g
Assembly/lamination dummy

- ➔ The component set, the lamination dummy for the controller and the system side bars/anchors have to be ordered separately.
 - You will find the component set on catalogue page D10.8.
 - You will find the lamination dummy for the controller on catalogue page D10.10.
 - You will find system side bars/anchors on catalogue page F1ff.

Note: For producing a KAFO with a NEURO MATIC system knee joint you need the appropriate component set for the orthosis type as well as the appropriate adaptor screw for the system ankle joint.



Straight
Fig. 1



Bent inwards distally
Fig. 2



Bent outwards distally
Fig. 3

Straight (fig. 1)

Material	Leg side	Unit	Article number for system width	
			16mm	20mm
Titanium	Left lateral or right medial	Piece	SK3353-L/TI	SK3355-L/TI
	Left medial or right lateral	Piece	SK3353-R/TI	SK3355-R/TI

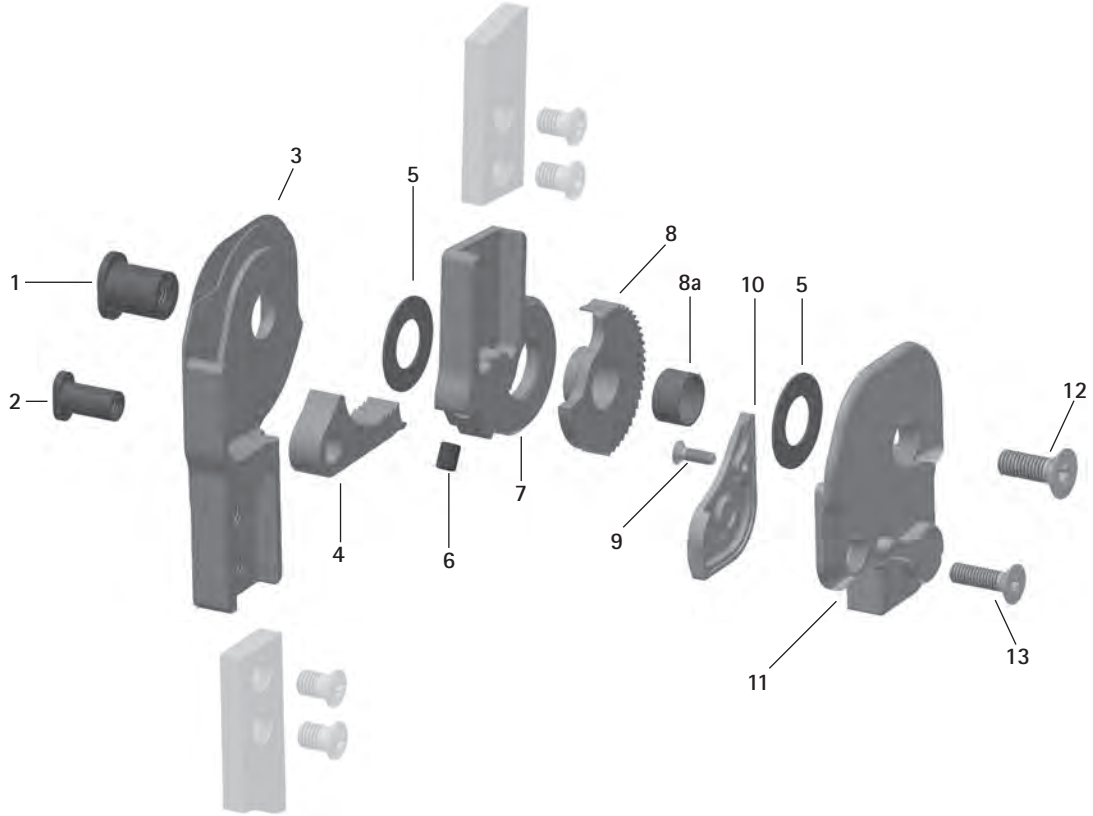
Bent Inwards Distally (fig. 2)

Material	Leg side	Unit	Article number for system width	
			16mm	20mm
Titanium	Left lateral or right medial	Piece	SK3373-L/TI	SK3375-L/TI
	Left medial or right lateral	Piece	SK3373-R/TI	SK3375-R/TI

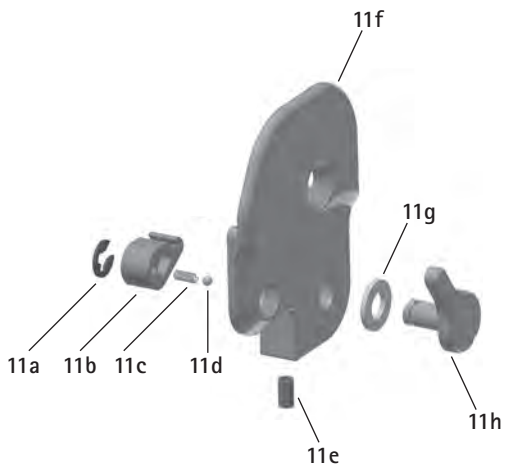
Bent Outwards Distally (fig. 3)

Material	Leg side	Unit	Article number for system width	
			16mm	20mm
Titanium	Left lateral or right medial	Piece	SK3343-L/TI	SK3345-L/TI
	Left medial or right lateral	Piece	SK3343-R/TI	SK3345-R/TI

Spare Parts



Cover Plate with Lever, Premounted (11)



Spare Parts

Item	Article number for system width		Description
	16mm	20mm	
1	SB9669-L0990	SB1069-L1000	Bearing nut (joint axis)
2	SB6049-L0990	SB8559-L1000	Bearing nut (locking pawl)
3	SK0313-L/TI	SK0315-L/TI	Lower part, left lateral or right medial, straight, titanium
3	SK0313-R/TI	SK0315-R/TI	Lower part, left medial or right lateral, straight, titanium
3	SK0333-L/TI	SK0335-L/TI	Lower part, left lateral or right medial, bent inwards, titanium
3	SK0333-R/TI	SK0335-R/TI	Lower part, left medial or right lateral, bent inwards, titanium
3	SK0333-8L/TI	SK0335-8L/TI	Lower part, left medial or right lateral, bent outwards, titanium
3	SK0333-8R/TI	SK0335-8R/TI	Lower part, left medial or right lateral, bent outwards, titanium
4	SK0373	SK0375-2	Locking pawl
5	GS1910-*	GS2411-*	Sliding washer*
6	PN1000-L06	PN1000-L06	Extension stop damper
7	SK0303-2L/TI	SK0305-2L/TI	5° upper part, left lateral or right medial, straight, titanium
7	SK0303-2R/TI	SK0305-2R/TI	5° upper part, left medial or right lateral, straight, titanium
8	SK0363-2L	SK0365-2L	Toothed ring, left lateral or right medial, titanium
8	SK0363-2R	SK0365-2R	Toothed ring, left medial or right lateral, titanium
8a	BP1110-L059	BP1211-L059	Sliding bushing
9	SC1403-L08/1	SC1403-L08/1	Countersunk flat head screw, hexalobular socket
10	SK0353-4L/AL	SK0355-4L/AL	Small cover plate, left lateral or right medial, aluminium
10	SK0353-4R/AL	SK0355-4R/AL	Small cover plate, left medial or right lateral, aluminium
11	SK3393-L	SK3395-L	Cover plate with lever, left lateral or right medial
11	SK3393-R	SK3395-R	Cover plate with lever, left medial or right lateral
11a	VE6799-32/0	VE6799-32/0	Retaining washer for shafts
11b	SK0375-20/L	SK0375-20/L	Switching pawl, left lateral or right medial
11b	SK0375-20/R	SK0375-20/R	Switching pawl, left medial or right lateral
11c	FE1207-01	FE1207-01	Pressure spring
11d	KU1002-ST	KU1002-ST	Ball
11e	SK0375-22	SK0375-22	Sliding bushing
11f	SK0353-3L/AL	SK0355-3L/AL	Big cover plate, left lateral or right medial, aluminium
11f	SK0353-3R/AL	SK0355-3R/AL	Big cover plate, left medial or right lateral, aluminium
11g	GS1005-100	GS1005-100	Sliding washer for lever
11h	SK0375-21	SK0375-21	Lever for switching pawl
12	SC1405-L14	SC1406-L14	Countersunk flat head screw, hexalobular socket (axle screw)
13	SC1404-L14	SC1405-L14	Countersunk flat head screw, hexalobular socket

* Sliding Washers

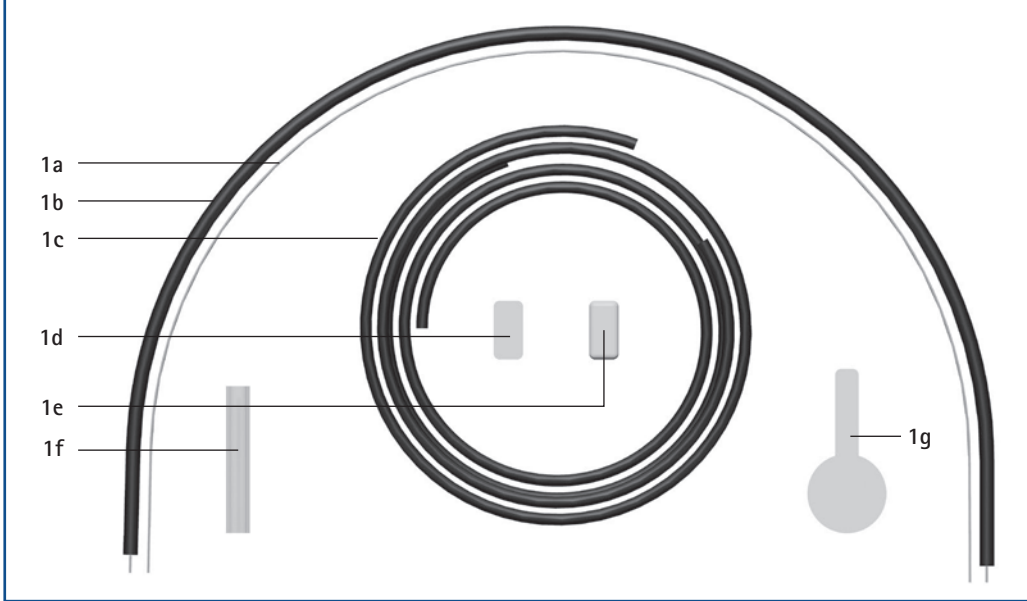
Article number for system width	
16mm	20mm
Ø = 19mm	Ø = 24mm
GS1910-040	GS2411-040
GS1910-045	GS2411-045
GS1910-050	GS2411-050
GS1910-055	GS2411-055
GS1910-060	GS2411-060

The last three digits of the article number stand for the thickness of the sliding washer e.g. GS1407-040. The thickness of this sliding washer is 0.40mm. In total, the sliding washers are available in five different thicknesses. The thickness of a sliding washer is indicated by the markings. For example, a sliding washer with two grooves is 0.40mm thick, whereas a sliding washer with one notch is 0.55mm thick.



→ You will find system side bars and system anchors on catalogue page F1ff.

Component Set (1)



Component Set (1)

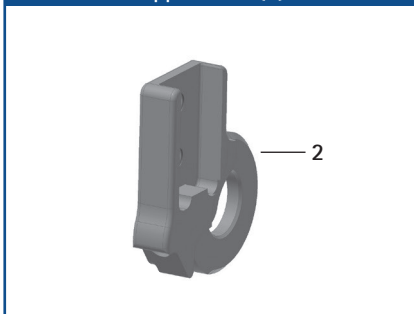
Orthosis type	Article number
Unilateral	SK3300-LR
Bilateral	SK3300

Component Set

Item	Article number for system width		Description	Unit	Qty.	
	16mm	20mm			Unilateral	Bilateral
1a	RM0500-ST008	RM0500-ST008	Wire, steel, 500mm long	Piece	2	4
1b	ZS0104-L500	ZS0104-L500	Cable cover with inner tube, 500mm long	Piece	1	2
1c	SK0935-00*	SK0935-00*	Lamination dummy for pressure sensor and solenoid connection cable*	Piece	2	3
1d	SK0935-03*	SK0935-03*	Lamination dummy for pressure sensor solder joint*	Piece	1	1
1e	SK0935-06	SK0935-06	Lamination dummy for cable cover guidance	Piece	1	2
1f	SK0935-05	SK0935-05	Cable cover conduit made of plastic	Piece	1	2
1g	SK0935-04*	SK0935-04*	Pressure sensor placing aid*	Piece	1	1
W/o fig.	OB1000-XL	OB1000-XL	Cloth bag for orthoses with logo	Piece	1	1

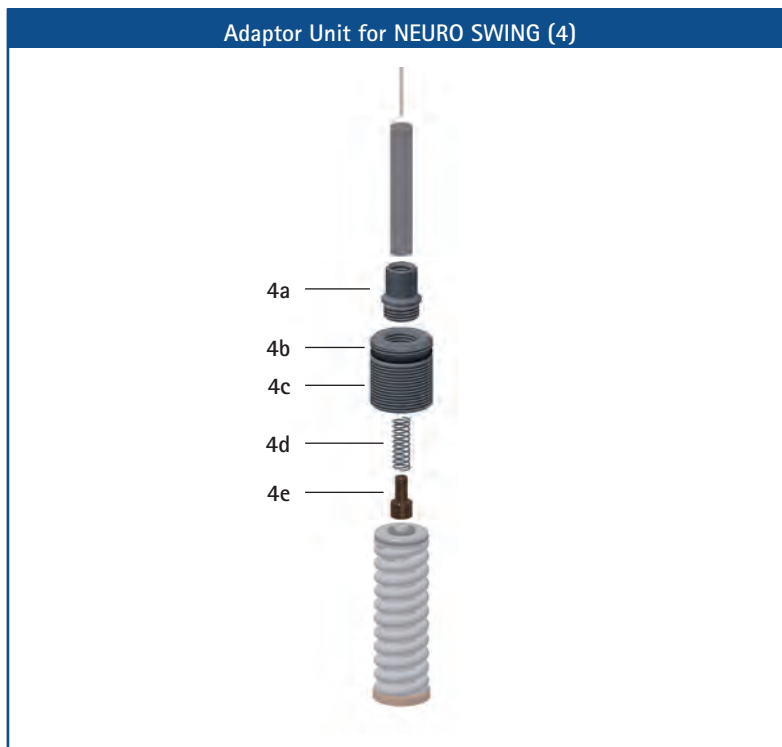
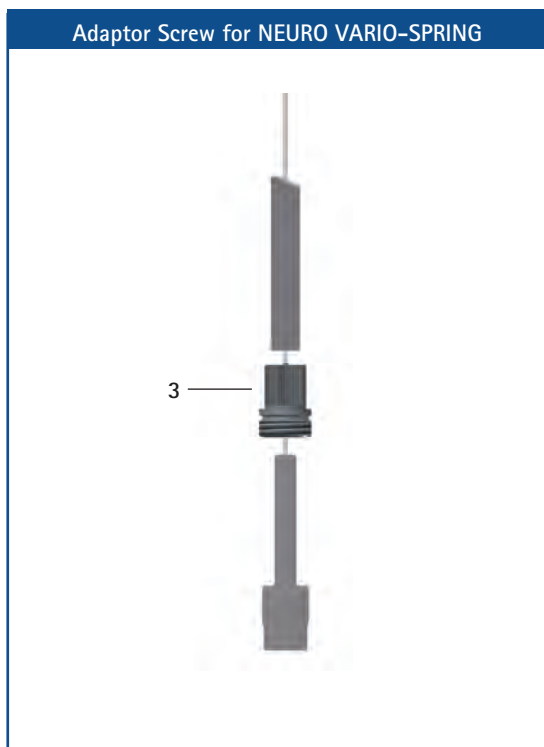
* You need the lamination dummies for a potential conversion into NEURO TRONIC.

Upper Parts (2)



Upper Parts

Item	Article number for system width		Description
	16mm	20mm	
2	SK0303-L/TI	SK0305-L/TI	0° upper part, left lateral or right medial, straight, titanium
2	SK0303-R/TI	SK0305-R/TI	0° upper part, left medial or right lateral, straight, titanium
2	SK0303-4L/TI	SK0305-4L/TI	10° upper part, left lateral or right medial, straight, titanium
2	SK0303-4R/TI	SK0305-4R/TI	10° upper part, left medial or right lateral, straight, titanium

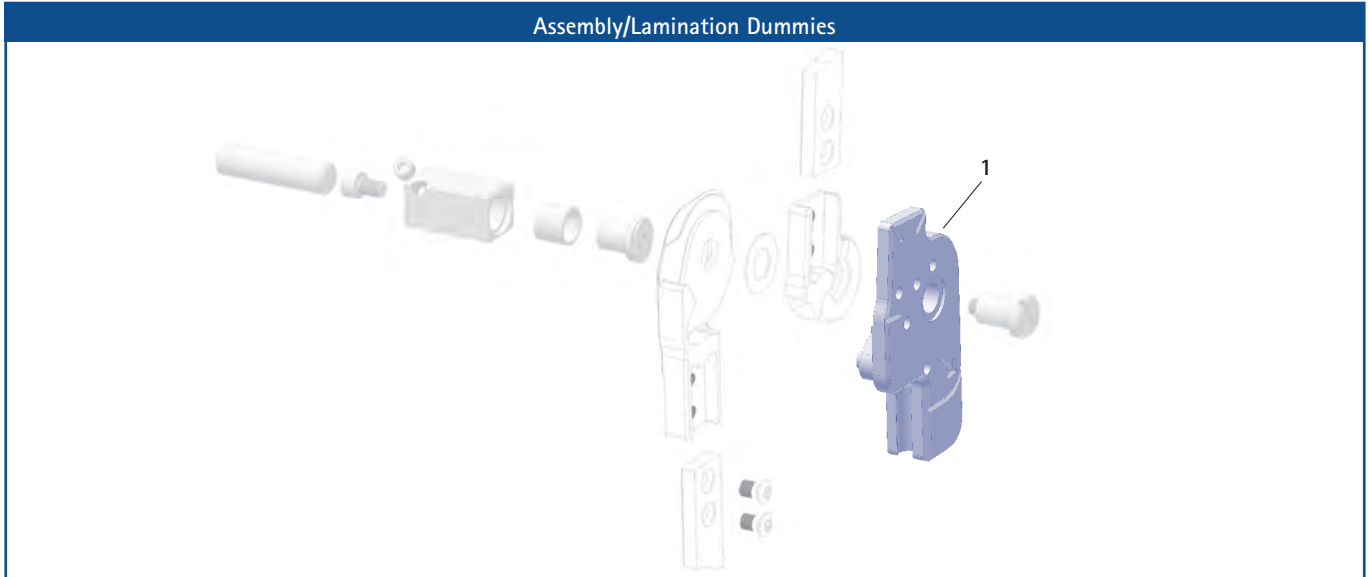


Adaptor Screw for NEURO VARIO-SPRING

Item	Article number for system width NEURO VARIO-SPRING			Description
	14mm	16mm	20mm	
3	SC3018-L12	SC3009-L12	SC3010-L13	Adaptor screw for the NEURO VARIO-SPRING system ankle joint

Adaptor Unit for NEURO SWING

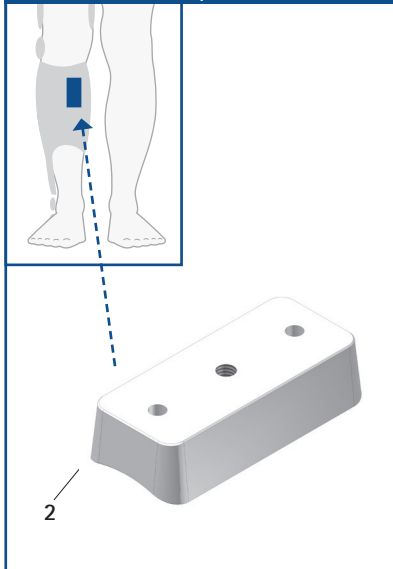
Item	Article number for system width NEURO SWING			Description
	14mm	16mm	20mm	
4	SC3012-L15	SC3014-L16	SC3018-L18	Adaptor unit for the NEURO SWING system ankle joint
4a	SC3208-L11	SC3208-L11	SC3208-L11	Adaptor screw
4b	VE3771-09/15	VE3771-11/15	VE3771-15/15	O-ring for securing alignment screw
4c	SC3012-L15/0	SC3014-L16/0	SC3014-L16/0	Alignment screw
4d	FE1415-01	FE1415-01	FE1415-01	Coil spring
4e	SF0593-1/0	SF0593-1/0	SF0593-1/0	Pin



Assembly/Lamination Dummies				
Item	Article number for system width		Description	Unit
	16mm	20mm		
1	SK0933-L	SK0935-L	Assembly/lamination dummy, left lateral or right medial	Piece
1	SK0933-R	SK0935-R	Assembly/lamination dummy, left medial or right lateral	Piece

- ➔ Assembly/lamination dummies are included in the scope of delivery of the system joints.
- ➔ You will find an overview of our tools on catalogue page G1ff.

Lamination Dummy for the Controller



Lamination Dummy for Controller

Item	Article number for system width		Description	Unit
	16mm	20mm		
2	ET0932	ET0932	Lamination dummy for controller NEURO TRONIC*	Piece

* You need the lamination dummy for a potential conversion into NEURO TRONIC.

NEURO TRONIC



Product Information

Basic function at delivery status in Auto mode:

- ➔ Automatic joint to control and support the motion
- ➔ The joint is electromechanically locked and unlocked.

Alternative function in Lock mode:

- ➔ Locked joint to control and support the motion
- ➔ Joint preassembled in a physiological joint angle of 5°
- ➔ Joint is mechanically locked by spring force.

Alternative function in Free mode:

- ➔ Free moving, monocentric joint to control and support the motion
- ➔ Secured standing through integrated posterior offset (for explanations concerning the integrated posterior offset, see catalogue page G3)
- ➔ Joint preassembled in a physiological joint angle of 5°
- ➔ Joint is electromagnetically unlocked.

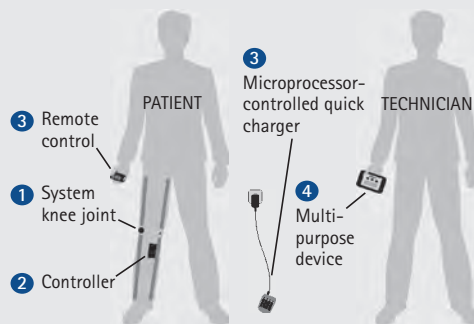
Alternative function in every mode:

- ➔ Permanent mechanical unlock function through a lever (free moving joint)

Further Sources of Information

Source of information	Article number	Link
Manual joint set	PB3800-SK	www.fior-gentz.com
Manual multi-purpose device	PB3800-SK/T	
Patient information	PB3800-SK/P	
Leaflet	PR0219-GB	
Production technique	-	

Knee Joint System



- 1 System knee joint
- 2 Component set including controller
 - ➔ The controller gives the joint the command to lock or unlock by using two sensor technologies.
- 3 Remote control for the patient including microprocessor-controlled quick charger
 - ➔ Depending on the situation and environment, the patient can change the orthosis' mode with the remote control.
- 4 Multi-purpose device for the technician with batteries (one-time purchase)
 - ➔ With the multi-purpose device the technician adjusts all settings on various orthoses individually to the patient's needs.

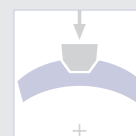
System Knee Joint Function



free moving

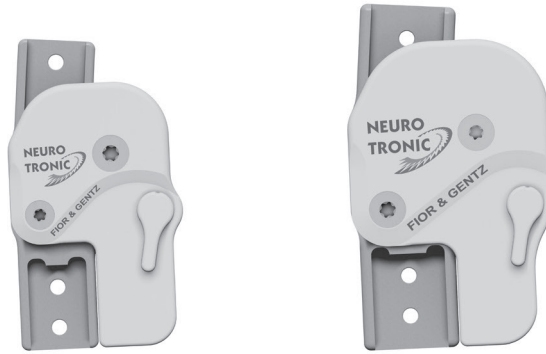


automatic



locked





16mm

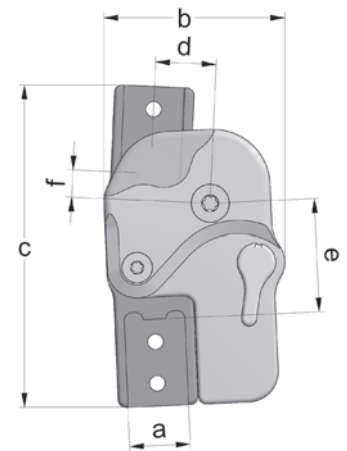
20mm

Joint Dimensions [mm]

Dimension	Description	System width a	
		16mm	20mm
b	Joint head width	47.7	55.8
c	Joint height	85.1	94.6
d	Posterior offset	16.0	20.0
e	Distance pivot point - lower system case	29.8	32.2
f	Distance pivot point - upper system case	7.2	7.8
	Joint head thickness	16.5	16.5

Joint Weights [g]

Material	Unit	System width	
		16mm	20mm
Titanium	Piece	126	174



The NEURO TRONIC system knee joint is delivered with the following articles:

Description
AGOMET F330, 5g
Orthosis joint grease, 3g
Assembly/lamination dummy

- ➔ The component set, the remote control for the patient, the lamination dummy for the controller and the system side bars/anchors have to be ordered separately.
 - You will find the component set on catalogue page D20.7.
 - You will find the remote control for the patient on catalogue page D20.8.
 - You will find the lamination dummy for the controller on catalogue page D20.10.
 - You will find system side bars/anchors on catalogue page F1ff.

Note: You also need a multi-purpose device to put an orthosis with a NEURO TRONIC system knee joint into operation and to adjust all settings. You can adjust various orthoses with one multi-purpose device. You will find the multi-purpose device on catalogue page D20.9.



Straight
Fig. 1



Bent inwards distally
Fig. 2



Bent outwards distally
Fig. 3

Straight (fig. 1)

Material	Leg side	Unit	Article number for system width	
			16mm	20mm
Titanium	Left lateral or right medial	Piece	SK3853-L/TI	SK3855-L/TI
	Left medial or right lateral	Piece	SK3853-R/TI	SK3855-R/TI

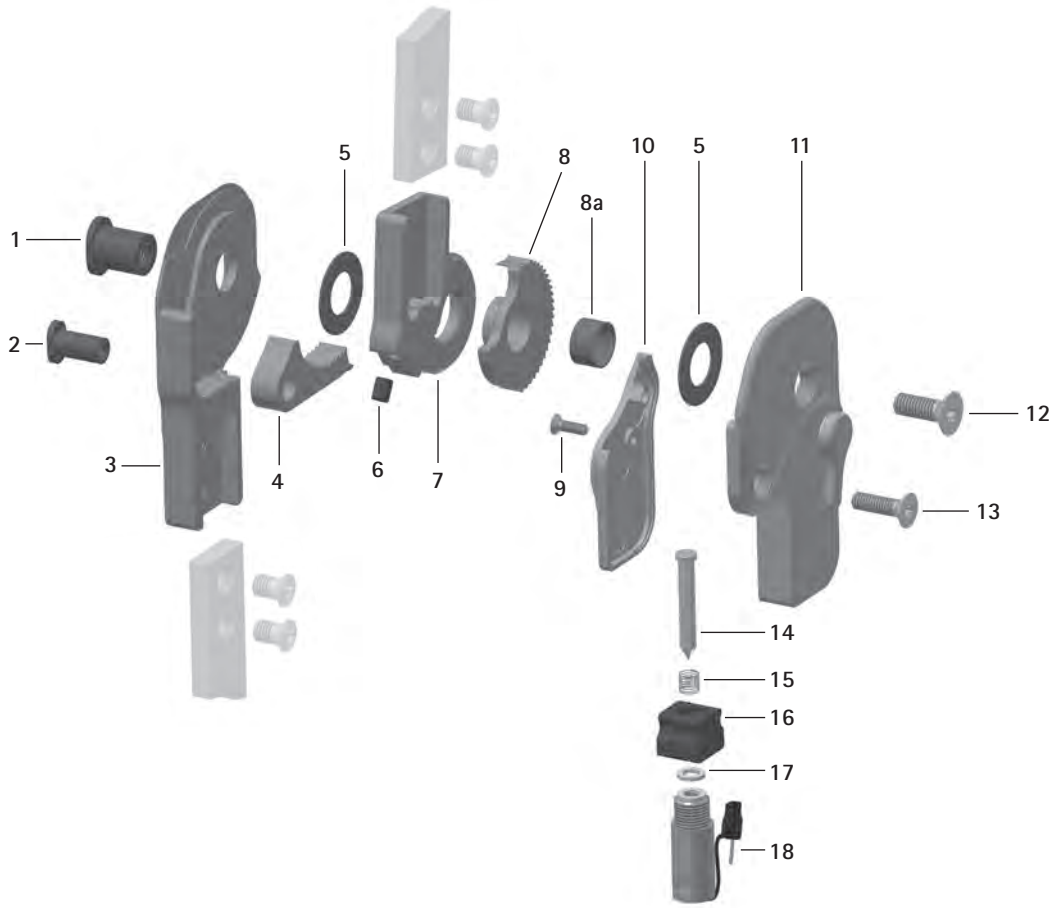
Bent Inwards Distally (fig. 2)

Material	Leg side	Unit	Article number for system width	
			16mm	20mm
Titanium	Left lateral or right medial	Piece	SK3873-L/TI	SK3875-L/TI
	Left medial or right lateral	Piece	SK3873-R/TI	SK3875-R/TI

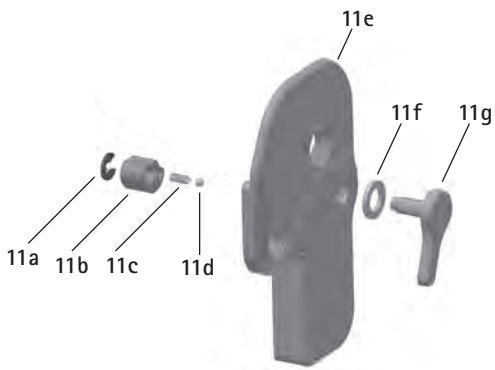
Bent Outwards Distally (fig. 3)

Material	Leg side	Unit	Article number for system width	
			16mm	20mm
Titanium	Left lateral or right medial	Piece	SK3843-L/TI	SK3845-L/TI
	Left medial or right lateral	Piece	SK3843-R/TI	SK3845-R/TI

Spare Parts



Cover Plate with Lever, Premounted (11)

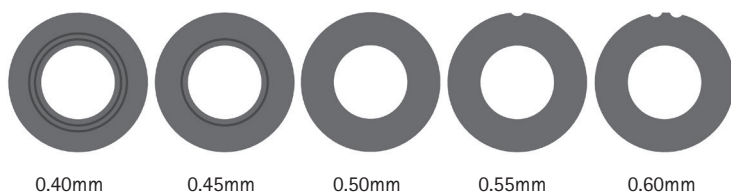


Spare Parts			
Item	Article number for system width		Description
	16mm	20mm	
1	SB9669-L0990	SB1069-L1000	Bearing nut (joint axis)
2	SB6049-L0990	SB8559-L1000	Bearing nut (locking pawl)
3	SK0313-L/TI	SK0315-L/TI	Lower part, left lateral or right medial, straight, titanium
3	SK0313-R/TI	SK0315-R/TI	Lower part, left medial or right lateral, straight, titanium
3	SK0333-L/TI	SK0335-L/TI	Lower part, left lateral or right medial, bent inwards, titanium
3	SK0333-R/TI	SK0335-R/TI	Lower part, left medial or right lateral, bent inwards, titanium
3	SK0333-8L/TI	SK0335-8L/TI	Lower part, left lateral or right medial, bent outwards, titanium
3	SK0333-8R/TI	SK0335-8R/TI	Lower part, left medial or right lateral, bent outwards, titanium
4	SK0373	SK0375-2	Locking pawl
5	GS1910-*	GS2411-*	Sliding washer*
6	PN1000-L06	PN1000-L06	Extension stop damper
7	SK0303-2L/TI	SK0305-2L/TI	5° upper part, left lateral or right medial, straight, titanium
7	SK0303-2R/TI	SK0305-2R/TI	5° upper part, left medial or right lateral, straight, titanium
8	SK0363-2L	SK0365-2L	Toothed ring with sliding bushing, left lateral or right medial, titanium
8	SK0363-2R	SK0365-2R	Toothed ring with sliding bushing, left medial or right lateral, titanium
8a	BP1110-L059	BP1211-L059	Sliding bushing
9	SC1403-L08/1	SC1403-L08/1	Countersunk flat head screw, hexalobular socket
10	SK0343-2L/AL	SK0345-2L/AL	Small cover plate, left lateral or right medial, aluminium
10	SK0343-2R/AL	SK0345-2R/AL	Small cover plate, left medial or right lateral, aluminium
11	SK3893-L	SK3895-L	Cover plate with lever, left lateral or right medial
11	SK3893-R	SK3895-R	Cover plate with lever, left medial or right lateral
11a	VE6799-23/0	VE6799-23/0	Retaining washer for shafts
11b	SK0373-24/L	SK0375-24	Switching pawl, left lateral or right medial
11b	SK0373-24/R	SK0375-24	Switching pawl, left medial or right lateral
11c	FE1207-01	FE1207-01	Pressure spring
11d	KU1002-ST	KU1002-ST	Ball
11e	SK0343-1L/AL	SK0345-1L/AL	Big cover plate, left lateral or right medial, aluminium
11e	SK0343-1R/AL	SK0345-1R/AL	Big cover plate, left medial or right lateral, aluminium
11f	GS0905-100	GS0905-100	Sliding washer for lever
11g	SK0375-23	SK0375-23	Lever for switching pawl
12	SC1405-L14	SC1406-L14	Countersunk flat head screw, hexalobular socket (axle screw)
13	SC1404-L14	SC1405-L14	Countersunk flat head screw, hexalobular socket
14	SK0385-01	SK0385-01	Plunger for solenoid
15	FE1508-02	FE1508-01	Pressure spring
16	SK0383-5	SK0383-5	Solenoid fixation
17	SK0385-03	SK0385-03	Washer for plunger
18	SK0385-00	SK0385-00	Solenoid without plunger, with connector

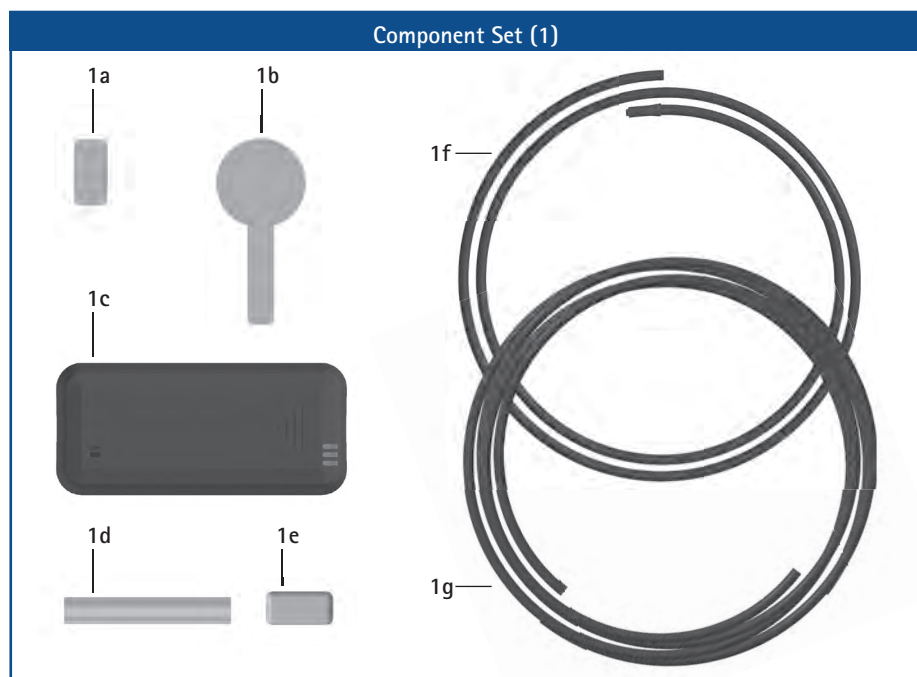
* Sliding Washers

Article number for system width	
16mm	20mm
Ø = 19mm	Ø = 24mm
GS1910-040	GS2411-040
GS1910-045	GS2411-045
GS1910-050	GS2411-050
GS1910-055	GS2411-055
GS1910-060	GS2411-060

The last three digits of the article number stand for the thickness of the sliding washer e.g. GS1407-040. The thickness of this sliding washer is 0.40mm. In total, the sliding washers are available in five different thicknesses. The thickness of a sliding washer is indicated by the markings. For example, a sliding washer with two grooves is 0.40mm thick, whereas a sliding washer with one notch is 0.55mm thick.



→ You will find system side bars and system anchors on catalogue page F1ff.

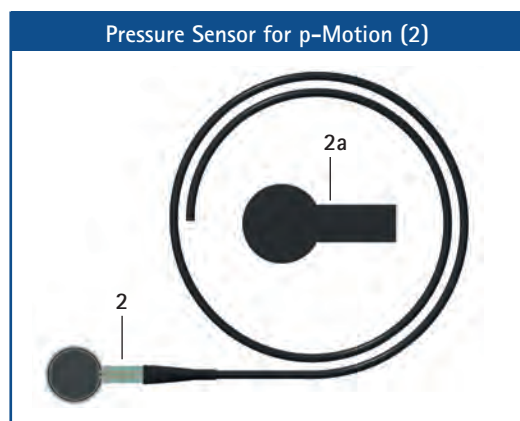


Component Set (1)	
Orthosis type	Article number
Unilateral	SK3800-LR
Bilateral	SK3800

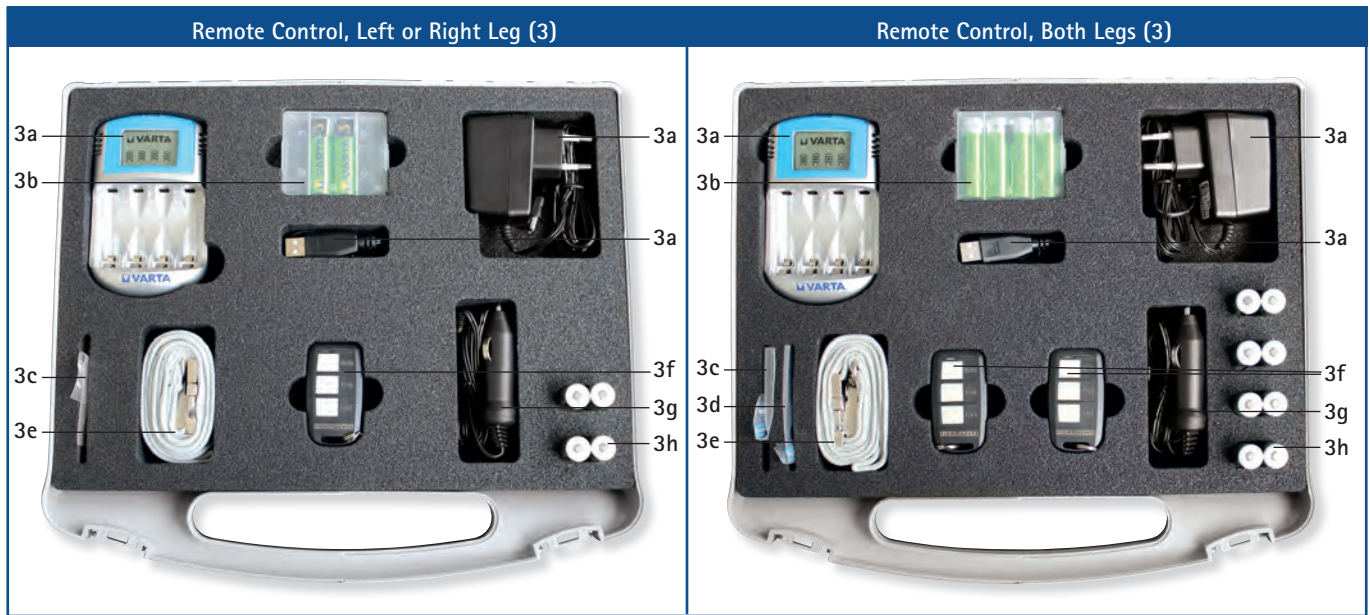
Component Set						
Item	Article number for system width		Description	Unit	Qty.	
	16mm	20mm			Unilateral	Bilateral
1a	SK0935-03	SK0935-03	Lamination dummy for pressure sensor solder joint	Piece	1	1
1b	SK0935-04	SK0935-04	Pressure sensor placing aid	Piece	1	1
1c	ET3830	ET3830	Controller with battery compartment and retainer for controller	Piece	1	1
W/o fig.	KG0382-5*	KG0382-5*	Retainer for controller*	Piece	1	1
W/o fig.	SC1302-L06**	SC1302-L06**	Countersunk flat head screw, cross recessed H**	Piece	4	4
1d	SK0935-05	SK0935-05	Cable cover conduit made of plastic	Piece	1	2
1e	SK0935-06	SK0935-06	Lamination dummy for cable cover guidance	Piece	1	2
1f	ET0420-4	ET0420-4	Connection cable for solenoid	Piece	1	2
1g	SK0935-00	SK0935-00	Lamination dummy for pressure sensor and solenoid connection cable	Piece	2	3
W/o fig.	OB1000-XL	OB1000-XL	Cloth bag for orthoses with logo	Piece	1	1

* Is part of the housing of the controller

** Are required for fixing the retainer for controller and are located in the battery compartment of the controller



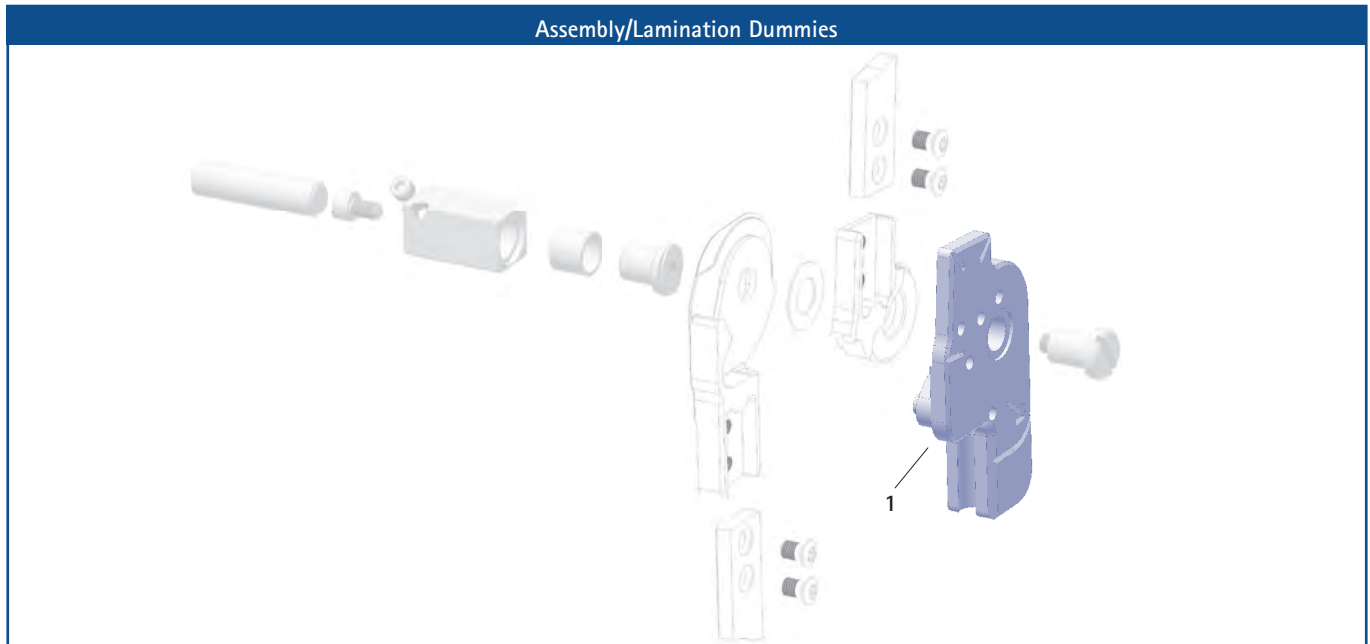
Pressure Sensor for p-Motion				
Item	Article number for system width		Description	Unit
	16mm	20mm		
2	SK0393	SK0393	Pressure sensor with cable	Piece
2a	SK0393-03	SK0393-03	Pressure sensor cover	Piece



Remote Control in a Case				Qty.	
Item	Article number	Description	Unit	One leg	Both legs
3	SK3800-P	NEURO TRONIC remote control set for the patient in a case	Set	1	-
3	SK3800-P/2	NEURO TRONIC remote control set for the patient in a case	Set	-	1
3a	ET0850	Microprocessor-controlled quick charger including plug-in adapter and USB cable	Piece	1	1
3b	ET0890	Battery box	Piece	1	1
3c	PA0800-ET	Number stickers to mark rechargeable batteries	Set	1	1
3d	HE3800-SK/L	Letter sticker L for NEURO TRONIC remote control, left leg	Piece	-	1
3d	HE3800-SK/R	Letter sticker R for NEURO TRONIC remote control, right leg	Piece	-	1
3e	PR4000	Lanyard FIOR & GENTZ	Piece	1	2
3f	ET3800-P	Remote control for the patient	Piece	1	2
3g	ET0851	12V car adapter for quick charger	Piece	1	1
3h	ET0810-AA2	2 pce. AA NiMH rechargeable batteries with number stickers	Set	3	6

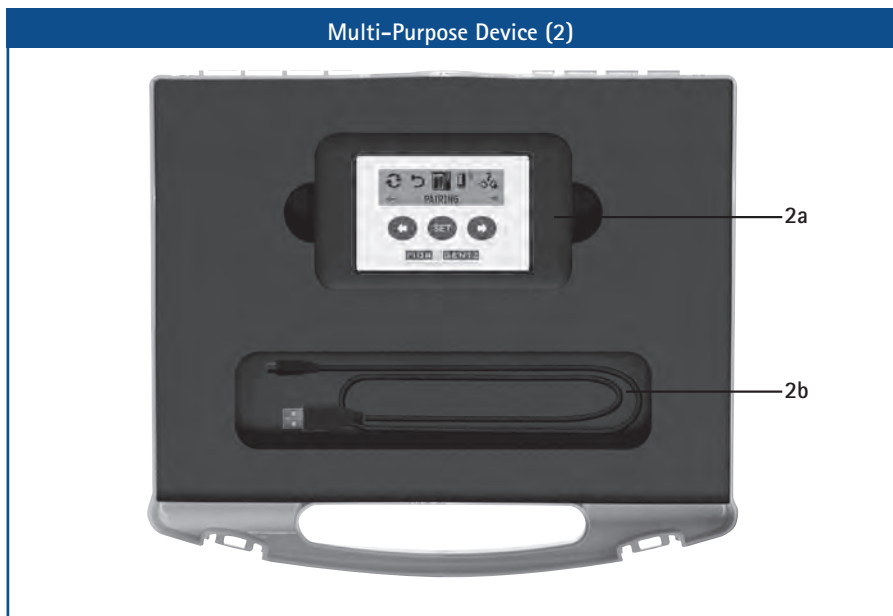


Upper Parts			
Item	Article number for system width		Description
	16mm	20mm	
4	SK0303-L/TI	SK0305-L/TI	0° upper part, left lateral or right medial, straight, titanium
4	SK0303-R/TI	SK0305-R/TI	0° upper part, left medial or right lateral, straight, titanium
4	SK0303-4L/TI	SK0305-4L/TI	10° upper part, left lateral or right medial, straight, titanium
4	SK0303-4R/TI	SK0305-4R/TI	10° upper part, left medial or right lateral, straight, titanium



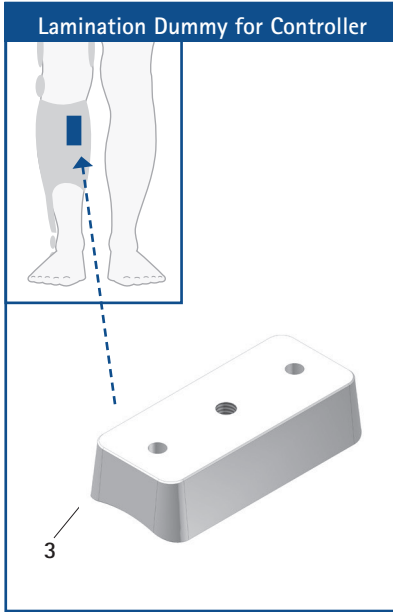
Assembly/Lamination Dummies				
Item	Article number for system width		Description	Unit
	16mm	20mm		
1	SK0933-L	SK0935-L	Assembly/lamination dummy, left lateral or right medial	Piece
1	SK0933-R	SK0935-R	Assembly/lamination dummy, left medial or right lateral	Piece

- ➔ Assembly/lamination dummies are included in the scope of delivery of the system joints.
- ➔ You will find an overview of our tools on catalogue page G1ff.



Multi-Purpose Device in a Case				
Item	Article number	Description	Unit	Qty.
2	SK3830-T	NEURO TRONIC multi-purpose device for the technician including batteries in a case	Piece	1
2a	ET3830-T	Multi-purpose device to adjust NEURO TRONIC	Piece	1
2b	ET0710	USB cable	Piece	1
W/o fig.	ET0830-2450	Coin cells, CR2450	Piece	2

Application: For adjusting the pressure sensor and controller of the orthosis.
Note: You can adjust various orthoses with one multi-purpose device.



Lamination Dummy for Controller

Item	Article number for system width		Description	Unit
	16mm	20mm		
3	ET0932	ET0932	Lamination dummy for controller NEURO TRONIC	Piece

NEURO LOCK

NEURO LOCK

NEURO LOCK MAX



Product Information

Basic function at delivery status:

- ➔ Locked joint to control and support the motion
- ➔ Joint preassembled in a physiological joint angle of 5°
- ➔ Unlocking by lock lever

Alternative function 1 with accessory parts:

- ➔ Locking in different flexed positions by exchanging the extension stops and filing the joint's lower part

Alternative function 2 by demounting the locking components:

- ➔ Free moving, monocentric joint with integrated posterior offset (for explanations concerning the integrated posterior offset, see catalogue page G3)

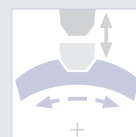
Further Sources of Information

Source of information	Article number	Link
Manual	PB5000-SK	www.fior-gentz.com
Production techniques	-	

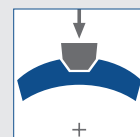
System Knee Joint Function



free moving

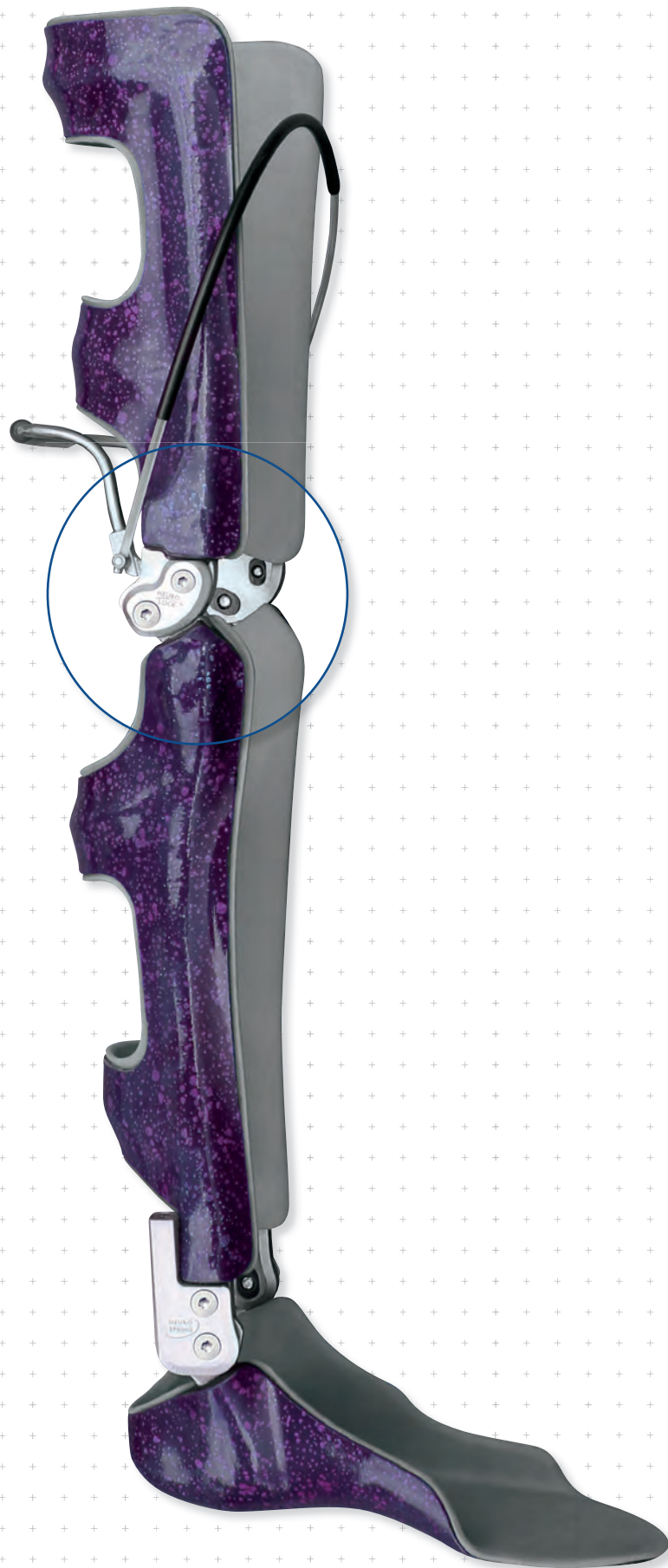


automatic



locked

NEURO FLEX MAX



NEURO LOCK

NEURO LOCK MAX

NEURO FLEX MAX



14mm



16mm



20mm

Joint Dimensions [mm]

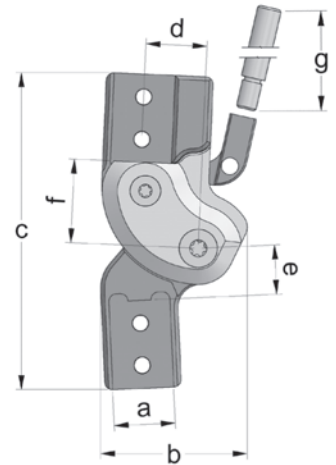
Dimension	Description	System width a		
		14mm	16mm	20mm
b	Joint head width	32.9	38.4	47.4
c	Joint height	70.4	83.0	95.6
d	Posterior offset*	14.0	16.0	20.0
e	Dist. pivot point - lower system case	10.0	13.0	16.0
f	Dist. pivot point - upper system case	18.7	22.0	25.0
g	Lever length	200.0	200.0	200.0
	Joint head thickness	10.1	11.6	12.3

* Important for alternative function 2

Joint Weight** [g]

Material	Unit	System width		
		14mm	16mm	20mm
Steel	Piece	64	101	150
Titanium	Piece	44	68	101

** Without lever extension



The NEURO LOCK system knee joint is delivered with the following articles:

Description
Pan head screw for exchanging extension stops
AGOMET F330, 5g
Orthosis joint grease, 3g
Assembly/lamination dummy
Lever extension
Connecting tube for lever extension***

*** only at system joints for left lateral or right medial

- ➔ System side bars/anchors have to be ordered separately.
- You will find pulling cables on catalogue page E10.7ff.
- You will find system side bars/anchors on catalogue page F1ff.



Straight
Fig. 1



Bent inwards distally
Fig. 2

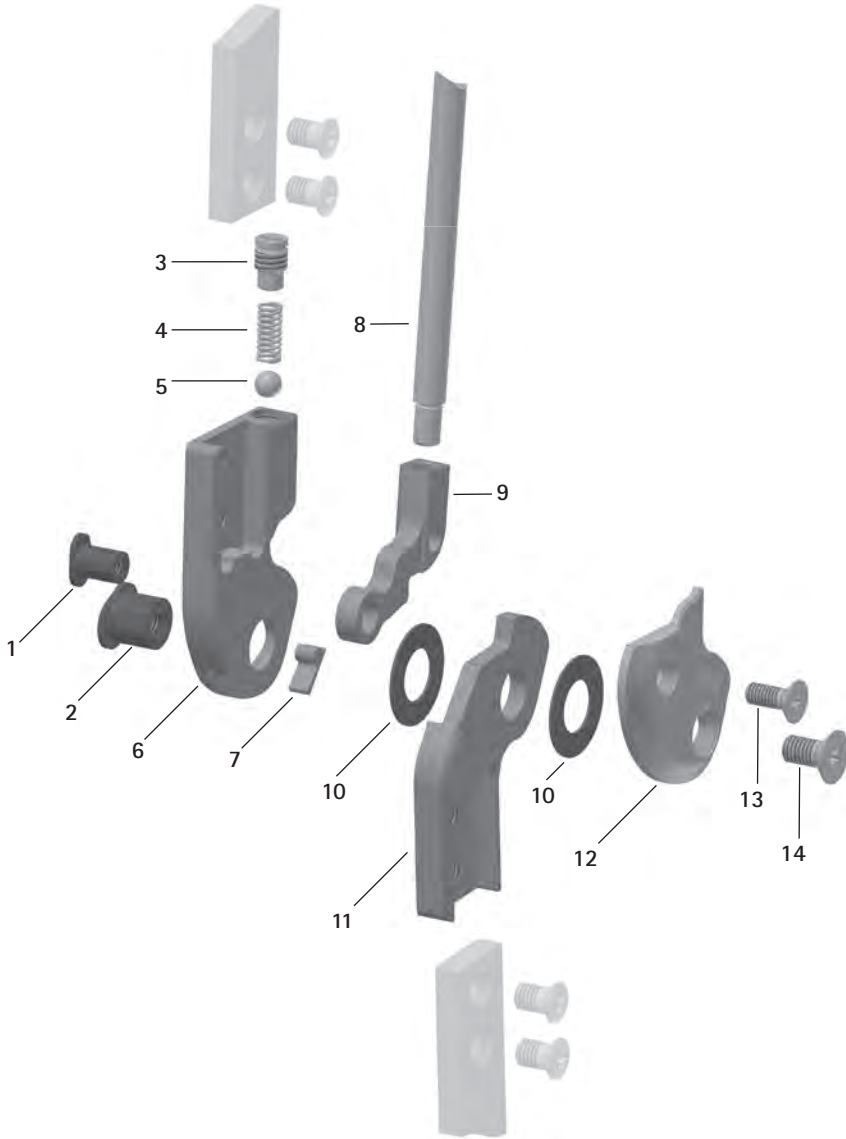
Straight (fig. 1)

Material	Leg side	Unit	Article number for system width		
			14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SK5302-L/ST	SK5303-L/ST	SK5305-L/ST
	Left medial or right lateral	Piece	SK5302-R/ST	SK5303-R/ST	SK5305-R/ST
Titanium	Left lateral or right medial	Piece	SK5302-L/TI	SK5303-L/TI	SK5305-L/TI
	Left medial or right lateral	Piece	SK5302-R/TI	SK5303-R/TI	SK5305-R/TI

Bent Inwards Distally (fig. 2)

Material	Leg side	Unit	Article number for system width		
			14mm	16mm	20mm
Steel	Left lateral or right medial	Piece	SK5322-L/ST	SK5323-L/ST	SK5325-L/ST
	Left medial or right lateral	Piece	SK5322-R/ST	SK5323-R/ST	SK5325-R/ST
Titanium	Left lateral or right medial	Piece	SK5322-L/TI	SK5323-L/TI	SK5325-L/TI
	Left medial or right lateral	Piece	SK5322-R/TI	SK5323-R/TI	SK5325-R/TI

Spare Parts



Item	Article number for system width			Description
	14mm	16mm	20mm	
1	SB6044-L0610	SB6044-L0750	SB6044-L0820	Bearing nut (locking pawl)
2	SB8554-L0610	SB9664-L0750	SB9664-L0820	Bearing nut (joint axis)
3	SC2106-L05	SC9606-L09	SC9606-L09	Pressure screw
4	FE1414-02	FE1414-02	FE1414-02	Pressure spring
5	KU1005-ST	KU1005-ST	KU1005-ST	Ball
6	SK0402-2L/ST	SK0403-2L/ST	SK0405-2L/ST	Upper part, left lateral or right medial, straight, steel
6	SK0402-2R/ST	SK0403-2R/ST	SK0405-2R/ST	Upper part, left medial or right lateral, straight, steel
6	SK0402-2L/TI	SK0403-2L/TI	SK0405-2L/TI	Upper part, left lateral or right medial, straight, titanium
6	SK0402-2R/TI	SK0403-2R/TI	SK0405-2R/TI	Upper part, left medial or right lateral, straight, titanium
7	SK9602-E005	SK9603-E005	SK9605-E005	5° extension stop
8	SK0492-ST	SK0495-ST	SK0495-ST	Lever extension
9	SK0472-*	SK0473-*	SK0475-*	Locking pawl*
10	GS1609-**	GS1910-**	GS2210-**	Sliding washer**
11	SK0412-2L/ST	SK0413-2L/ST	SK0415-2L/ST	5° lower part, left lateral or right medial, straight, steel
11	SK0412-2R/ST	SK0413-2R/ST	SK0415-2R/ST	5° lower part, left medial or right lateral, straight, steel
11	SK0412-2L/TI	SK0413-2L/TI	SK0415-2L/TI	5° lower part, left lateral or right medial, straight, titanium
11	SK0412-2R/TI	SK0413-2R/TI	SK0415-2R/TI	5° lower part, left medial or right lateral, straight, titanium
11	SK0432-2L/ST	SK0433-2L/ST	SK0435-2L/ST	5° lower part, left lateral or right medial, bent inwards, steel
11	SK0432-2R/ST	SK0433-2R/ST	SK0435-2R/ST	5° lower part, left medial or right lateral, bent inwards, steel
11	SK0432-2L/TI	SK0433-2L/TI	SK0435-2L/TI	5° lower part, left lateral or right medial, bent inwards, titanium
11	SK0432-2R/TI	SK0433-2R/TI	SK0435-2R/TI	5° lower part, left medial or right lateral, bent inwards, titanium
12	SK0452-2L/AL	SK0453-2L/AL	SK0455-2L/AL	Cover plate, left lateral or right medial, aluminium
12	SK0452-2R/AL	SK0453-2R/AL	SK0455-2R/AL	Cover plate, left medial or right lateral, aluminium
13	SC1404-L10	SC1404-L10	SC1404-L12	Countersunk flat head screw, hexalobular socket
14	SC1405-L10	SC1405-L11	SC1405-L12	Countersunk flat head screw, hexalobular socket (axle screw)
W/o fig.	SK0492-VS	SK0493-VS	SK0493-VS	Connecting tube for lever extension
W/o fig.	SC0403-L08	SC0403-L10	SC0403-L10	Pan head screw for exchanging extension stops

* Locking Pawls			
14mm	Article number for system width		
	16mm	20mm	
SK0472-TI050	-	-	
SK0472-TI063	SK0473-TI063	-	
SK0472-TI075	SK0473-TI075	SK0475-TI075	
SK0472-TI088	SK0473-TI088	SK0475-TI088	
SK0472-TI100	SK0473-TI100	SK0475-TI100	



The locking pawl is marked with the last three digits of the article number. The larger the number, the longer the locking pawl. Please, note and respect when reordering: Mount the next longer locking pawl if there is any play resulting from usage.

** Sliding Washers			
14mm	Article number for system width		
	16mm	20mm	
∅ = 16mm	∅ = 19mm	∅ = 22mm	
GS1609-040	GS1910-040	GS2210-040	
GS1609-045	GS1910-045	GS2210-045	
GS1609-050	GS1910-050	GS2210-050	
GS1609-055	GS1910-055	GS2210-055	
GS1609-060	GS1910-060	GS2210-060	

The last three digits of the article number stand for the thickness of the sliding washer e.g. GS1407-040. The thickness of this sliding washer is 0.40mm. In total, the sliding washers are available in five different thicknesses. The thickness of a sliding washer is indicated by the markings. For example, a sliding washer with two grooves is 0.40mm thick, whereas a sliding washer with one notch is 0.55mm thick.

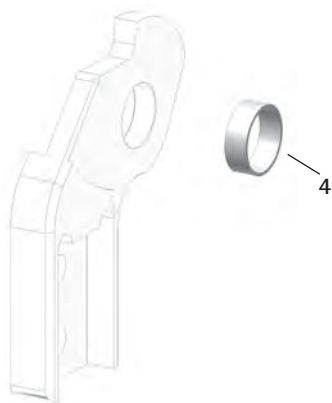


➔ You will find system side bars and system anchors on catalogue page F1ff.

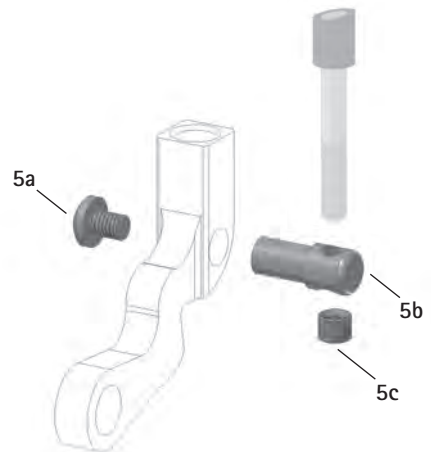
Extension Stops for Alternative Function 1

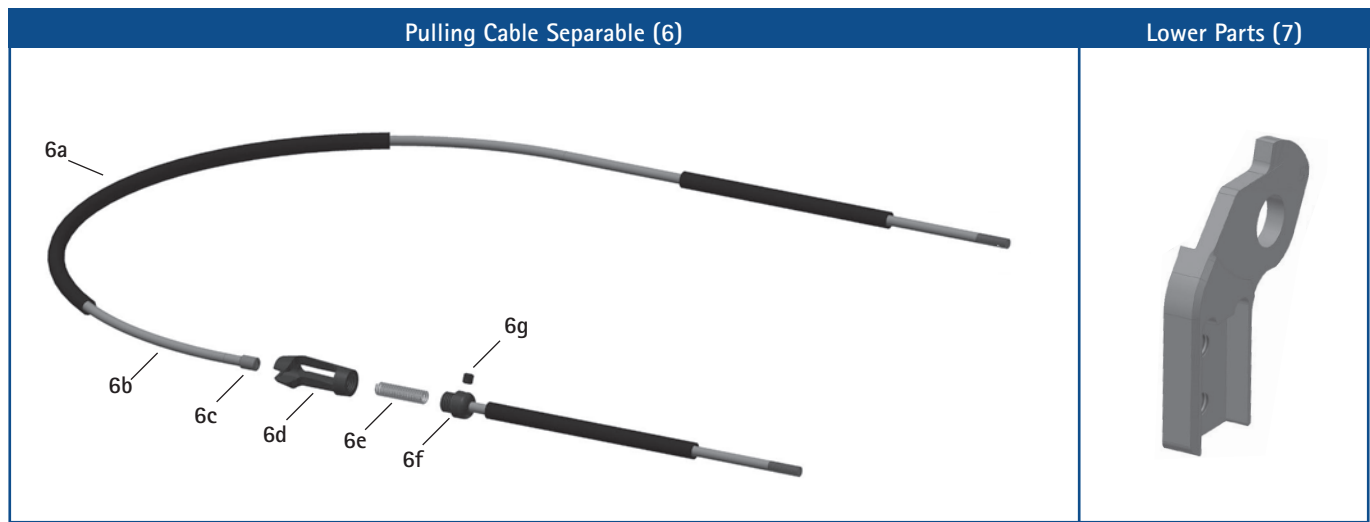


Repair Bushing



Pulling Cable Adaptor (5)



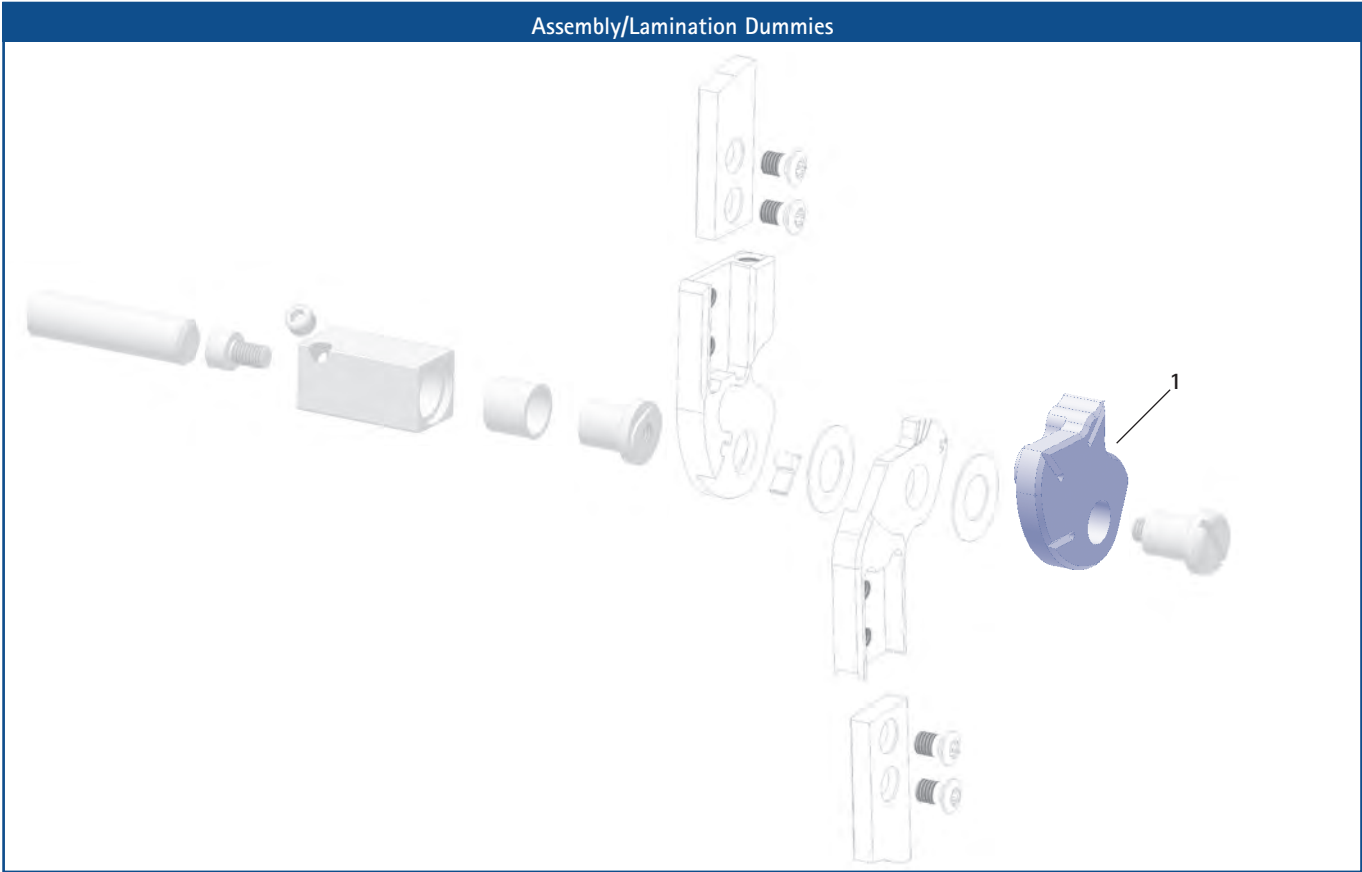


Accessory Parts

Item	Article number for system width			Description
	14mm	16mm	20mm	
1	SK9602-E010	SK9603-E010	SK9605-E010	10° extension stop
2	SK9602-E020	SK9603-E020	SK9605-E020	20° extension stop
3	SK9602-E030	SK9603-E030	SK9605-E030	30° extension stop
1-3	SK9602	SK9603	SK9605	Set of stops, 10°, 20°, 30° extension stops (1 of each)
4	BP1009-L029*	BP1110-L035*	BP1110-L040*	Repair bushing*
5	ZS3502	ZS3503	ZS3503	Pulling cable adaptor
5a	SC4303-L04	SC4303-L04	SC4303-L04	Pan head screw, cross recessed H
5b	ZS0324-06	ZS0324-07	ZS0324-07	Pulling cable holder
5c	ZS0233	ZS0233	ZS0233	Threaded sleeve, 3mm long
W/o fig.	ZS1000-L400	ZS1000-L400	ZS1000-L400	Pulling cable, nylon cable with cover, 400mm**
W/o fig.	ZS1000-L500	ZS1000-L500	ZS1000-L500	Pulling cable, nylon cable with cover, 500mm**
W/o fig.	ZS1000-L600	ZS1000-L600	ZS1000-L600	Pulling cable, nylon cable with cover, 600mm**
W/o fig.	ZS1000-L700	ZS1000-L700	ZS1000-L700	Pulling cable, nylon cable with cover, 700mm**
6	ZS1100-L400	ZS1100-L400	ZS1100-L400	Pulling cable separable through coupler, 400mm**
6	ZS1100-L500	ZS1100-L500	ZS1100-L500	Pulling cable separable through coupler, 500mm**
6a	ZS0102	ZS0102	ZS0102	Cable cover, 1000mm long
6b	ZS0002	ZS0002	ZS0002	Nylon cable, 1000mm long
6c	ZS0235	ZS0235	ZS0235	Threaded sleeve, 5mm long
6d	VE0101-AL	VE0101-AL	VE0101-AL	Coupler case, aluminium
6e	FE1420-01	FE1420-01	FE1420-01	Spring
6f	VE0102-AL	VE0102-AL	VE0102-AL	Connecting screw for coupler
6g	SC9603-L03	SC9603-L03	SC9603-L03	Hexagon socket set screw
6c-6g	VE1000-AL	VE1000-AL	VE1000-AL	Coupler, aluminium
7	SK0412-L/ST	SK0413-L/ST	SK0415-L/ST	0° lower part, left lateral or right medial, straight, steel
7	SK0412-R/ST	SK0413-R/ST	SK0415-R/ST	0° lower part, left medial or right lateral, straight, steel
7	SK0412-L/TI	SK0413-L/TI	SK0415-L/TI	0° lower part, left lateral or right medial, straight, titanium
7	SK0412-R/TI	SK0413-R/TI	SK0415-R/TI	0° lower part, left medial or right lateral, straight, titanium
7	SK0432-L/ST	SK0433-L/ST	SK0435-L/ST	0° lower part, left lateral or right medial, bent, steel
7	SK0432-R/ST	SK0433-R/ST	SK0435-R/ST	0° lower part, left medial or right lateral, bent, steel
7	SK0432-L/TI	SK0433-L/TI	SK0435-L/TI	0° lower part, left lateral or right medial, bent, titanium
7	SK0432-R/TI	SK0433-R/TI	SK0435-R/TI	0° lower part, left medial or right lateral, bent, titanium

* You will find special reaming tools on catalogue page G11.

** You need a pulling cable adaptor for each lock lever you want to mount a pulling cable on.



Assembly/Lamination Dummies					
Item	Article number for system width			Description	Unit
	14mm	16mm	20mm		
1	SK0942-L	SK0943-L	SK0945-L	Assembly/lamination dummy, left lateral or right medial	Piece
1	SK0942-R	SK0943-R	SK0945-R	Assembly/lamination dummy, left medial or right lateral	Piece

- ➔ Assembly/lamination dummies are included in the scope of delivery of the system joints.
- ➔ You will find an overview of our tools on catalogue page G1ff.



Product Information

Basic function at delivery status:

- ➔ Locked joint controls and supports the motion and has a permanent unlock function
- ➔ Joint preassembled in a physiological joint angle of 5°
- ➔ Unlocking by lock lever and locating pin

Alternative function 1 with accessory parts:

- ➔ Locking in different flexed positions by exchanging the extension stops and filling the joint's lower part

Alternative function 2 by demounting the locking components:

- ➔ Free moving, monocentric joint with integrated posterior offset (for explanations concerning the integrated posterior offset, see catalogue page G3)

Further Sources of Information

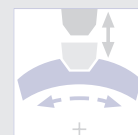
Source of information	Article number	Link
Manual	PB8000-SK	www.fior-gentz.com
Production technique	-	

System Knee Joint Function



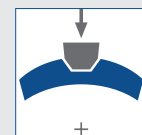
+

free moving



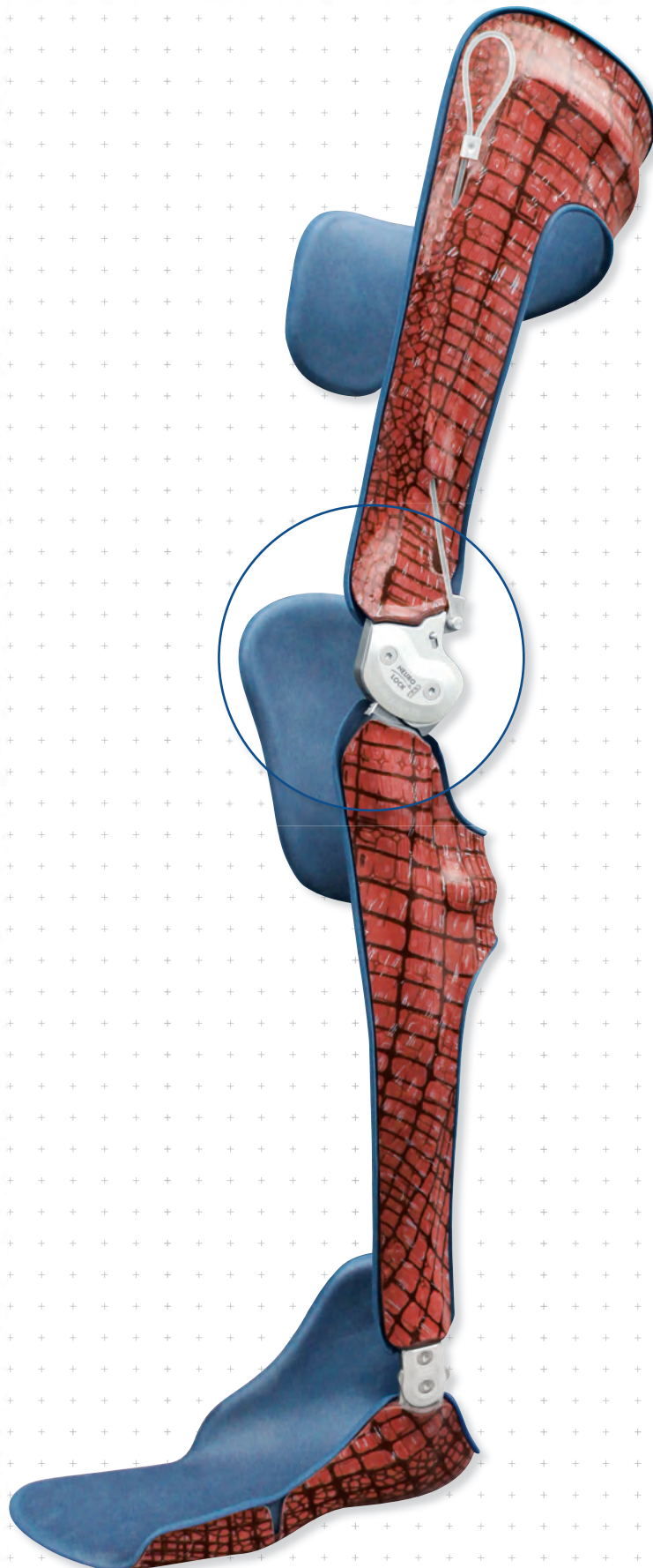
+

automatic



+

locked



NEURO LOCK

NEURO LOCK MAX

NEURO FLEX MAX



12mm



14mm



16mm



20mm

Joint Dimensions [mm]

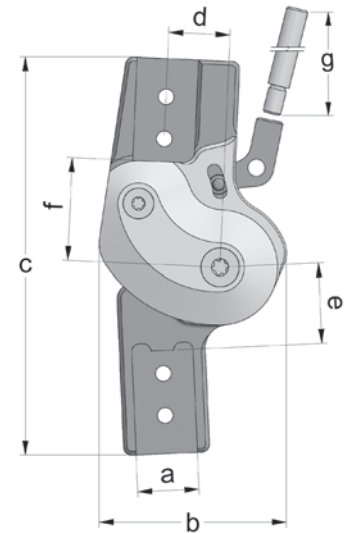
Dimension	Description	System width a			
		12mm	14mm	16mm	20mm
b	Joint head width	36.6	42.5	48.9	59.0
c	Joint height	76.1	90.0	104.0	119.2
d	Posterior offset*	12.0	14.0	16.0	20.0
e	Distance pivot point - lower system case	15.0	17.5	21.0	23.5
f	Distance pivot point - upper system case	20.6	23.8	26.9	33.1
g	Lever length	200.0	200.0	200.0	200.0
	Joint head thickness	12.8	13.8	16.0	17.5

* Important for alternative function 2

Joint Weight** [g]

Material	Unit	System width			
		12mm	14mm	16mm	20mm
Titanium	Piece	63	95	143	238

** Without lever extension



The NEURO LOCK MAX system knee joint is delivered with the following articles:

Description
Pan head screw for exchanging extension stops
AGOMET F330, 5g
Orthosis joint grease, 3g
Assembly/lamination dummy
Lever extension
Connecting tube for lever extension***

*** only at system joints for left lateral or right medial

→ System side bars/anchors have to be ordered separately.
 You will find pulling cables on catalogue page E20.7ff.
 You will find system side bars/anchors on catalogue page F1ff.



Straight
Fig. 1



Bent inwards distally
Fig. 2

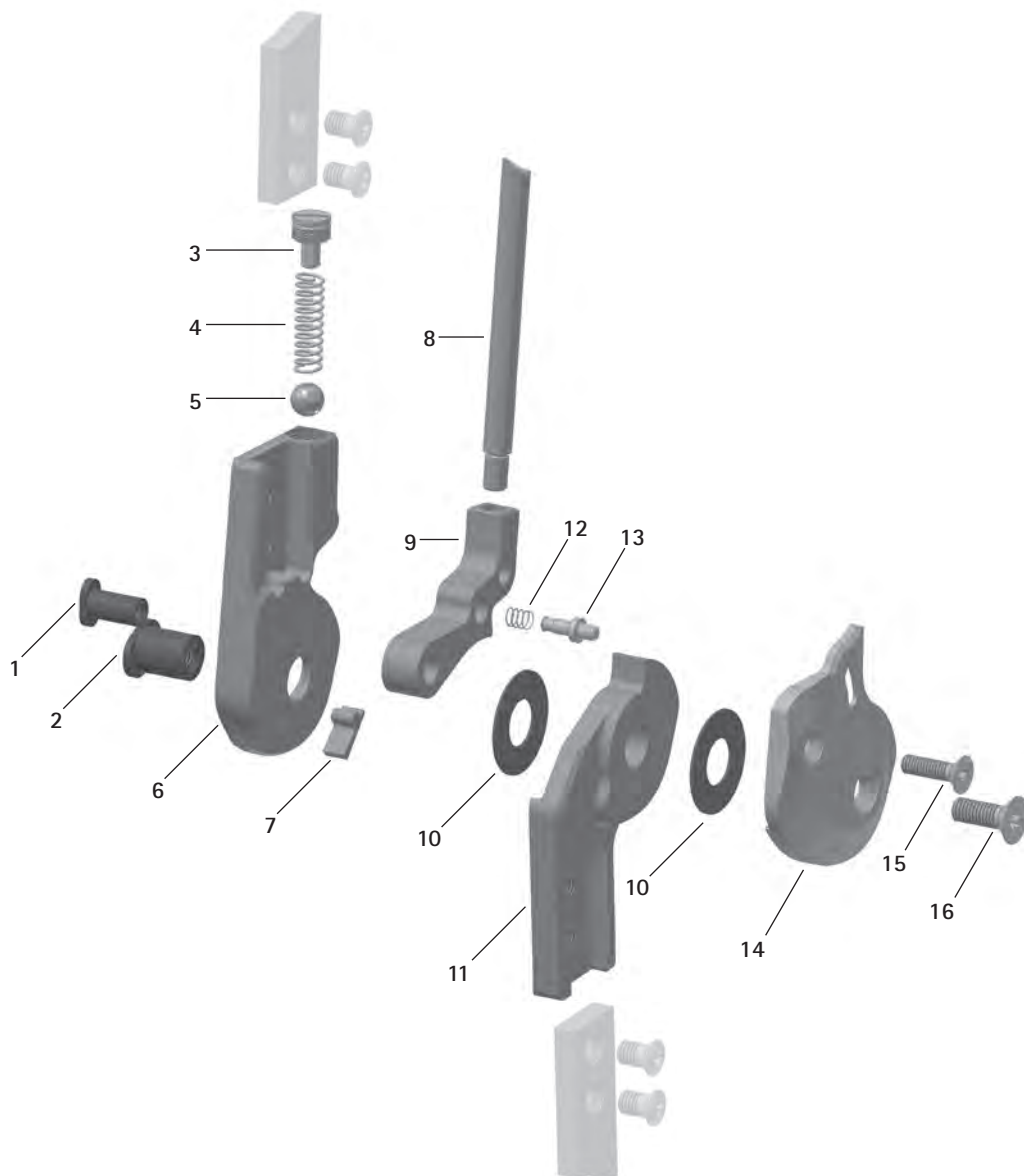
Straight (fig. 1)

Material	Leg side	Unit	Article number for system width			
			12mm	14mm	16mm	20mm
Titanium	Left lateral or right medial	Piece	SK8301-L/TI	SK8302-L/TI	SK8303-L/TI	SK8305-L/TI
	Left medial or right lateral	Piece	SK8301-R/TI	SK8302-R/TI	SK8303-R/TI	SK8305-R/TI

Bent Inwards Distally (fig. 2)

Material	Leg side	Unit	Article number for system width			
			12mm	14mm	16mm	20mm
Titanium	Left lateral or right medial	Piece	SK8321-L/TI	SK8322-L/TI	SK8323-L/TI	SK8325-L/TI
	Left medial or right lateral	Piece	SK8321-R/TI	SK8322-R/TI	SK8323-R/TI	SK8325-R/TI

Spare Parts



Item	Article number for system width				Description
	12mm	14mm	16mm	20mm	
1	SB6049-L0850	SB6049-L0950	SB6049-L1130	SB8559-L1290	Bearing nut (locking pawl)
2	SB7049-L0850	SB8559-L0950	SB9669-L1130	SB1069-L1290	Bearing nut (joint axis)
3	SC2106-L04	SC2107-L04	SC9608-L11	SC9609-L04	Pressure screw
4	FE1414-01	FE1520-01	FE1527-01	FE2726-01	Pressure spring
5	KU1005-ST	KU1006-ST	KU1007-ST	KU1008-ST	Ball
6	SK0701-2L/TI	SK0702-2L/TI	SK0703-2L/TI	SK0705-2L/TI	Upper part, left lateral or right medial, straight, titanium
6	SK0701-2R/TI	SK0702-2R/TI	SK0703-2R/TI	SK0705-2R/TI	Upper part, left medial or right lateral, straight, titanium
7	SK9801-E005	SK9802-E005	SK9803-E005	SK9805-E005	5° extension stop
8	SK0492-ST	SK0492-ST	SK0495-ST	SK0495-ST	Lever extension
9	SK0771-*	SK0772-*	SK0773-*	SK0775-*	Locking pawl*
10	GS1807-**	GS2009-**	GS2210-**	GS2411-**	Sliding washer**
11	SK0811-2L/TI	SK0812-2L/TI	SK0813-2L/TI	SK0815-2L/TI	5° lower part, left lateral or right medial, straight, titanium
11	SK0811-2R/TI	SK0812-2R/TI	SK0813-2R/TI	SK0815-2R/TI	5° lower part, left medial or right lateral, straight, titanium
11	SK0831-2L/TI	SK0832-2L/TI	SK0833-2L/TI	SK0835-2L/TI	5° lower part, left lateral or right medial, bent inwards, titanium
11	SK0831-2R/TI	SK0832-2R/TI	SK0833-2R/TI	SK0835-2R/TI	5° lower part, left medial or right lateral, bent inwards, titanium
12	FE1407-01	FE1411-02	FE1411-02	FE1411-02	Pressure spring
13	SK0771-20	SK0772-20	SK0773-20	SK0775-20	Locating pin to adjust the permanent unlock function
14	SK0861-L/AL	SK0862-L/AL	SK0863-L/AL	SK0865-L/AL	Cover plate, left lateral or right medial, aluminium
14	SK0861-R/AL	SK0862-R/AL	SK0863-R/AL	SK0865-R/AL	Cover plate, left medial or right lateral, aluminium
15	SC1404-L12	SC1404-L12	SC1404-L14	SC1405-L14	Countersunk flat head screw, hexalobular socket
16	SC1404-L12	SC1405-L12	SC1405-L14	SC1406-L14	Countersunk flat head screw, hexalobular socket (axle screw)
W/o fig.	SK0492-VS	SK0492-VS	SK0493-VS	SK0493-VS	Connecting tube for lever extension
W/o fig.	SC0403-L08	SC0403-L08	SC0403-L10	SC0403-L10	Pan head screw for exchanging extension stops

* Locking Pawls				
12mm	Article number for system width			
	14mm	16mm	20mm	
-	-	-	SK0775-L/025	
SK0771-L/038	-	-	SK0775-L/038	
SK0771-L/050	SK0772-L/050	SK0773-L/050	SK0775-L/050	
SK0771-L/063	SK0772-L/063	SK0773-L/063	SK0775-L/063	
-	SK0772-L/075	SK0773-L/075	SK0775-L/075	
-	SK0772-L/088	SK0773-L/088	SK0775-L/088	
-	SK0772-L/100	SK0773-L/100	-	

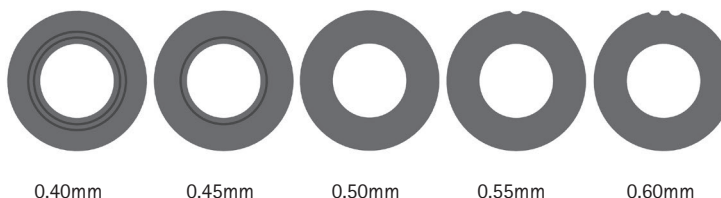
The locking pawl is marked with the last three digits of the article number. The larger the number, the longer the locking pawl. Please, note and respect when reordering: Mount the next longer locking pawl if there is any play resulting from usage.



If you need a locking pawl for the right leg (right lateral or left medial), as opposed to the locking pawls for the left leg (left lateral or right medial) listed here, you have to replace the L in the article number with an R. For example: SK0775-R/025.

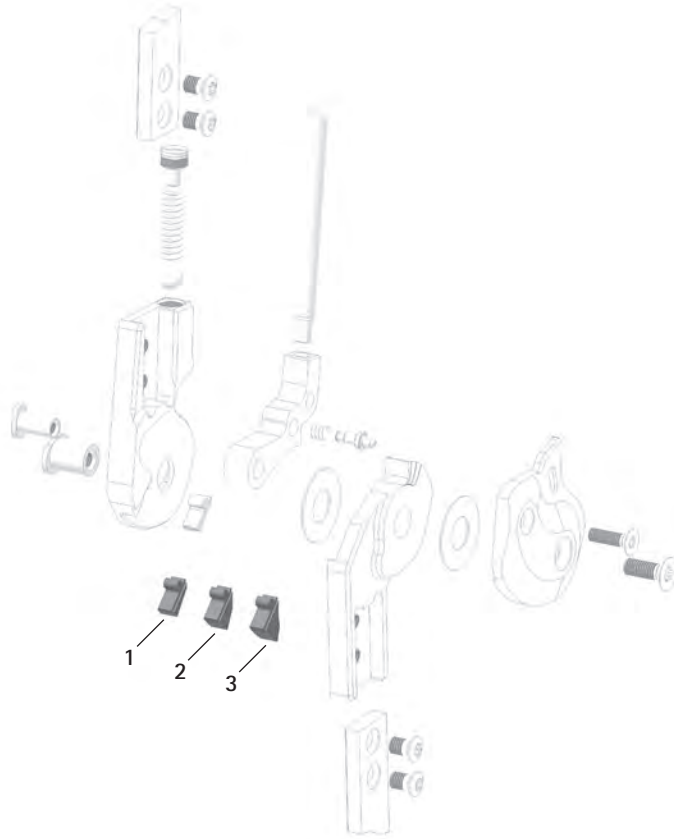
** Sliding Washers				
12mm	Article number for system width			
	14mm	16mm	20mm	
Ø = 18mm	Ø = 20mm	Ø = 22mm	Ø = 24mm	
GS1807-040	GS2009-040	GS2210-040	GS2411-040	
GS1807-045	GS2009-045	GS2210-045	GS2411-045	
GS1807-050	GS2009-050	GS2210-050	GS2411-050	
GS1807-055	GS2009-055	GS2210-055	GS2411-055	
GS1807-060	GS2009-060	GS2210-060	GS2411-060	

The last three digits of the article number stand for the thickness of the sliding washer e.g. GS1407-040. The thickness of this sliding washer is 0.40mm. In total, the sliding washers are available in five different thicknesses. The thickness of a sliding washer is indicated by the markings. For example, a sliding washer with two grooves is 0.40mm thick, whereas a sliding washer with one notch is 0.55mm thick.

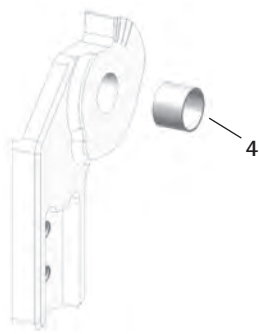


➔ You will find system side bars and system anchors on catalogue page F1ff.

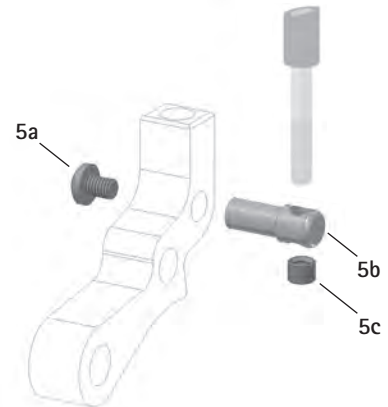
Extension Stops for Alternative Function 1



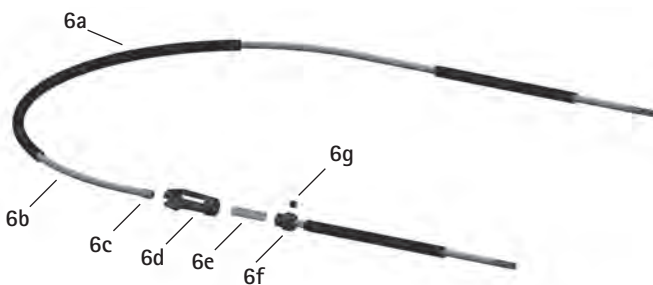
Repair Bushing (4)



Pulling Cable Adaptor (5)



Pulling Cable Separable (6)



Pulling Cable Unilateral (7)



Lower Parts (8)

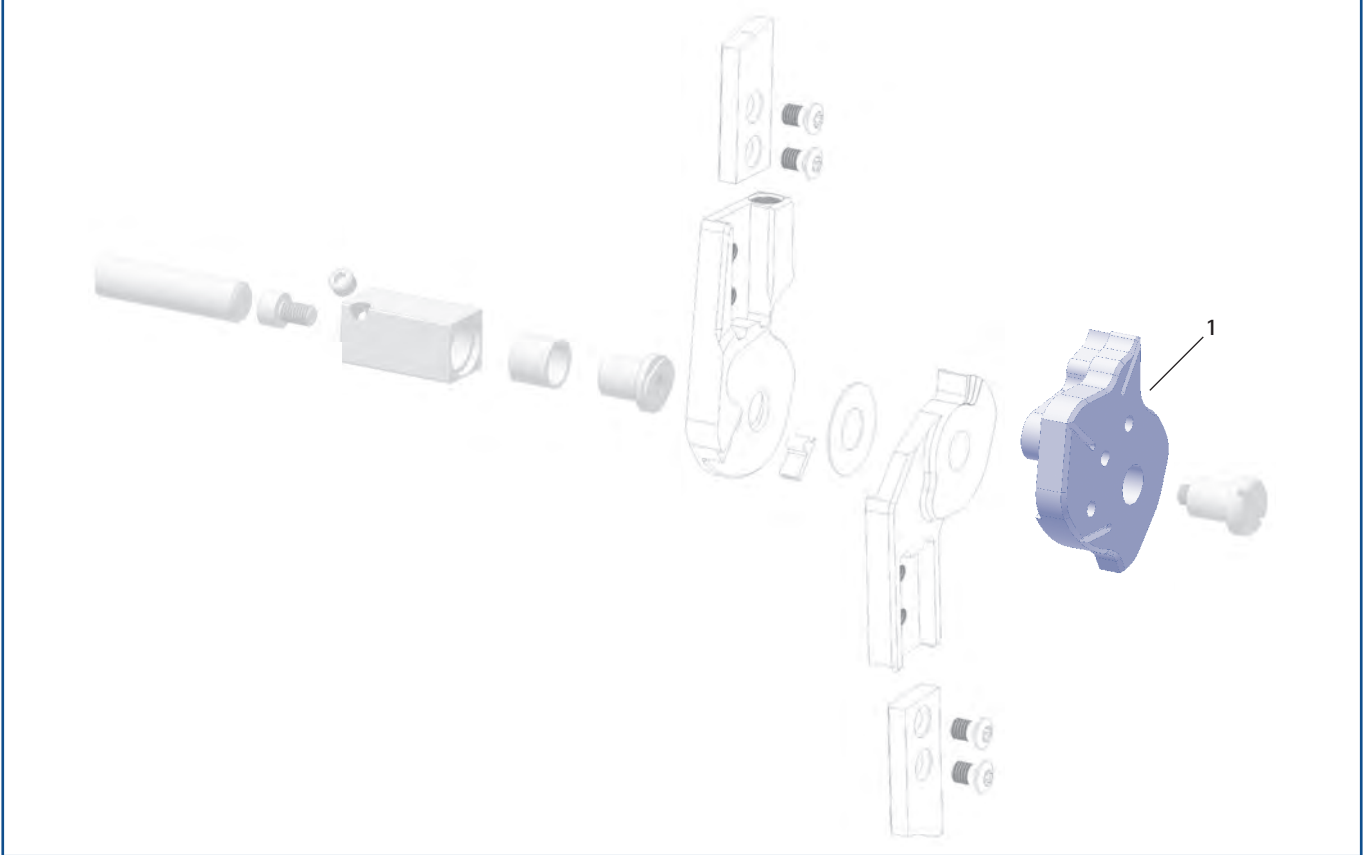


Accessory Parts					
Item	Article number for system width				Description
	12mm	14mm	16mm	20mm	
1	SK9801-E010	SK9802-E010	SK9803-E010	SK9805-E010	10° extension stop
2	SK9801-E020	SK9802-E020	SK9803-E020	SK9805-E020	20° extension stop
3	SK9801-E030	SK9802-E030	SK9803-E030	SK9805-E030	30° extension stop
1-3	SK9801	SK9802	SK9803	SK9805	Set of stops, 10°, 20°, 30° extension stops (1 of each)
4	BP0807-L056*	BP1009-L065*	BP1110-L078*	BP1211-L090*	Repair bushing*
5	ZS3701	ZS3702	ZS3703	ZS3705	Pulling cable adaptor
5a	SC4303-L04	SC4303-L04	SC4303-L04	SC4304-L08	Pan head screw, cross recessed H
5b	ZS0324-06	ZS0324-07	ZS0324-08	ZS0326-10	Pulling cable holder
5c	ZS0233	ZS0233	ZS0233	ZS0235	Threaded sleeve
W/o fig.	ZS1000-L400	ZS1000-L400	ZS1000-L400	ZS1000-L400	Pulling cable, nylon cable with cover, 400mm**
W/o fig.	ZS1000-L500	ZS1000-L500	ZS1000-L500	ZS1000-L500	Pulling cable, nylon cable with cover, 500mm**
W/o fig.	ZS1000-L600	ZS1000-L600	ZS1000-L600	ZS1000-L600	Pulling cable, nylon cable with cover, 600mm**
W/o fig.	ZS1000-L700	ZS1000-L700	ZS1000-L700	ZS1000-L700	Pulling cable, nylon cable with cover, 700mm**
6	ZS1100-L400	ZS1100-L400	ZS1100-L400	ZS1100-L400	Pulling cable separable through coupler, 400mm**
6	ZS1100-L500	ZS1100-L500	ZS1100-L500	ZS1100-L500	Pulling cable separable through coupler, 500mm**
6a	ZS0102	ZS0102	ZS0102	ZS0102	Cable cover, 1000mm long
6b	ZS0002	ZS0002	ZS0002	ZS0002	Nylon cable, 1000mm long
6c	ZS0235	ZS0235	ZS0235	ZS0235	Threaded sleeve, 5mm long
6d	VE0101-AL	VE0101-AL	VE0101-AL	VE0101-AL	Coupler case, aluminium
6e	FE1420-01	FE1420-01	FE1420-01	FE1420-01	Spring
6f	VE0102-AL	VE0102-AL	VE0102-AL	VE0102-AL	Connecting screw for coupler
6g	SC9603-L03	SC9603-L03	SC9603-L03	SC9603-L03	Hexagon socket set screw
6c-6g	VE1000-AL	VE1000-AL	VE1000-AL	VE1000-AL	Coupler, aluminium
7	ZS1400-L600	ZS1400-L600	ZS1400-L600	ZS1400-L600	Pulling cable with ferrule for unilateral lock, nylon cable with cover, 600mm long**
7a	ZS0403-AL	ZS0403-AL	ZS0403-AL	ZS0403-AL	Ferrule for 3mm nylon cable, aluminium
7b	ZS0001-L600	ZS0001-L600	ZS0001-L600	ZS0001-L600	Nylon cable with thread
7c	ZS0102-L500	ZS0102-L500	ZS0102-L500	ZS0102-L500	Cable cover, 500mm long
8	SK0811-L/TI	SK0812-L/TI	SK0813-L/TI	SK0815-L/TI	0° lower part, left lateral or right medial, straight, titanium
8	SK0811-R/TI	SK0812-R/TI	SK0813-R/TI	SK0815-R/TI	0° lower part, left medial or right lateral, straight, titanium
8	SK0831-L/TI	SK0832-L/TI	SK0833-L/TI	SK0835-L/TI	0° lower part, left lateral or right medial, bent inwards, titanium
8	SK0831-R/TI	SK0832-R/TI	SK0833-R/TI	SK0835-R/TI	0° lower part, left medial or right lateral, bent inwards, titanium

* You will find special reaming tools on catalogue page G11.

** You need a pulling cable adaptor for each lock lever you want to mount a pulling cable on.

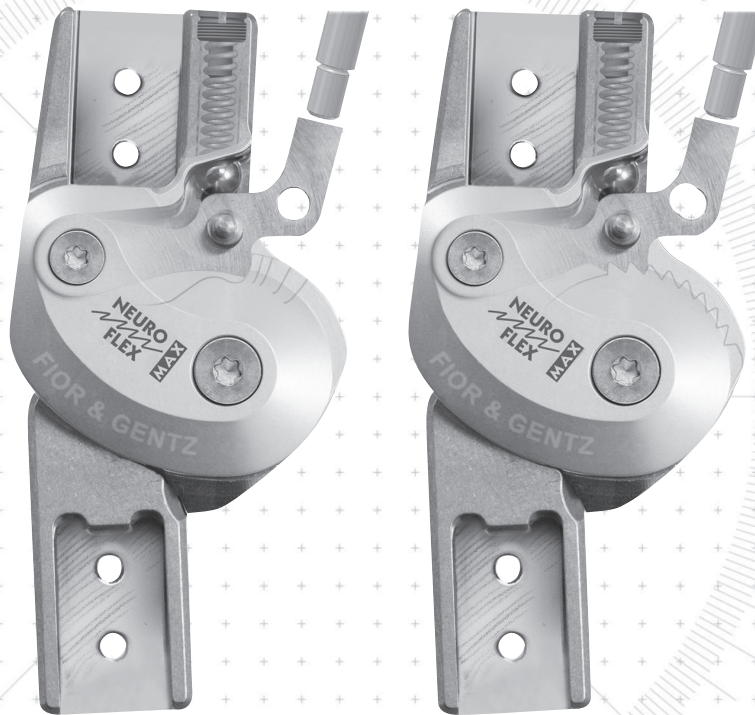
Assembly/Lamination Dummies



Assembly/Lamination Dummies

Item	Article number for system width				Description	Unit
	12mm	14mm	16mm	20mm		
1	SK0971-L	SK0972-L	SK0973-L	SK0975-L	Assembly/lamination dummy, left lateral or right medial	Piece
1	SK0971-R	SK0972-R	SK0973-R	SK0975-R	Assembly/lamination dummy, left medial or right lateral	Piece

- ➔ Assembly/lamination dummies are included in the scope of delivery of the system joints.
- ➔ You will find an overview of our tools on catalogue page G1ff.



Product Information

Basic function at delivery status:

- ➔ Locked joint controls and supports the motion and has a permanent unlock function.
- ➔ Joint preassembled in a physiological joint angle of 5°
- ➔ Unlocking by lock lever and locating pin

Alternative function 1 with accessory parts:

- ➔ Locking in different flexed positions by exchanging the extension stops and filing the premounted flexion stop disc

Alternative function 2 by demounting the locking components:

- ➔ Free moving, monocentric joint with integrated posterior offset (for explanations concerning the integrated posterior offset, see catalogue page G3)

Alternative function 3 premounted or with accessory parts:

- ➔ Step lock function with locked flexion by mounting a step lock stop disc and step lock pawl

Alternative function 4 with accessory parts:

- ➔ Adjusting the maximum knee flexion angle by filing and using the AF4 flexion stop disc plus the AF4 cover plate;
- Locking in different flexed positions by exchanging the extension stops and using the filed AF4 flexion stop disc plus the AF4 cover plate

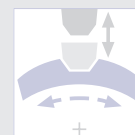
Further Sources of Information

Source of information	Article number	Link
Manual	PB7000-SK	www.fior-gentz.com
Production technique	-	

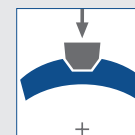
System Knee Joint Function



free moving



automatic



locked



NEURO LOCK

NEURO LOCK MAX

NEURO FLEX MAX



12mm



14mm



16mm



20mm

Joint Dimensions [mm]

Dimension	Description	System width a			
		12mm	14mm	16mm	20mm
b	Joint head width	36.6	42.5	48.9	59.0
c	Joint height	76.1	90.0	104.0	119.2
d	Posterior offset*	12.0	14.0	16.0	20.0
e	Dist. pivot point - lower system case	15.0	17.5	21.0	23.5
f	Dist. pivot point - upper system case	20.6	23.8	26.9	33.1
g	Lever length	200.0	200.0	200.0	200.0
	Joint head thickness	12.8	13.8	16.0	17.5

* Important for alternative function 2

Joint Weight** (Basic Function) [g]

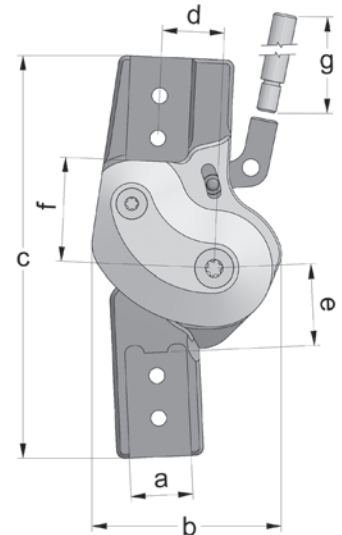
Material	Unit	System width			
		12mm	14mm	16mm	20mm
Titanium	Piece	63	94	145	241

** Without lever extension

Joint Weight** (Alternative Function 3 Premounted) [g]

Material	Unit	System width			
		12mm	14mm	16mm	20mm
Titanium	Piece	59	89	137	225

** Without lever extension



The NEURO FLEX MAX system knee joint is delivered with the following articles:

Pan head screw for exchanging extension stops

AGOMET F330, 5g

Orthosis joint grease, 3g

Assembly/lamination dummy

Lever extension

Connecting tube for lever extension

→ System side bars/anchors have to be ordered separately.

You will find pulling cables on catalogue page E30.7.

You will find system side bars/anchors on catalogue page F1ff.



Straight
Fig. 1



Bent inwards distally
Fig. 2

Basic Function, Straight (fig. 1)						
Material	Leg side	Unit	Article number for system width			
			12mm	14mm	16mm	20mm
Titanium	Left lateral or right medial	Piece	SK7301-L/TI	SK7302-L/TI	SK7303-L/TI	SK7305-L/TI
	Left medial or right lateral	Piece	SK7301-R/TI	SK7302-R/TI	SK7303-R/TI	SK7305-R/TI



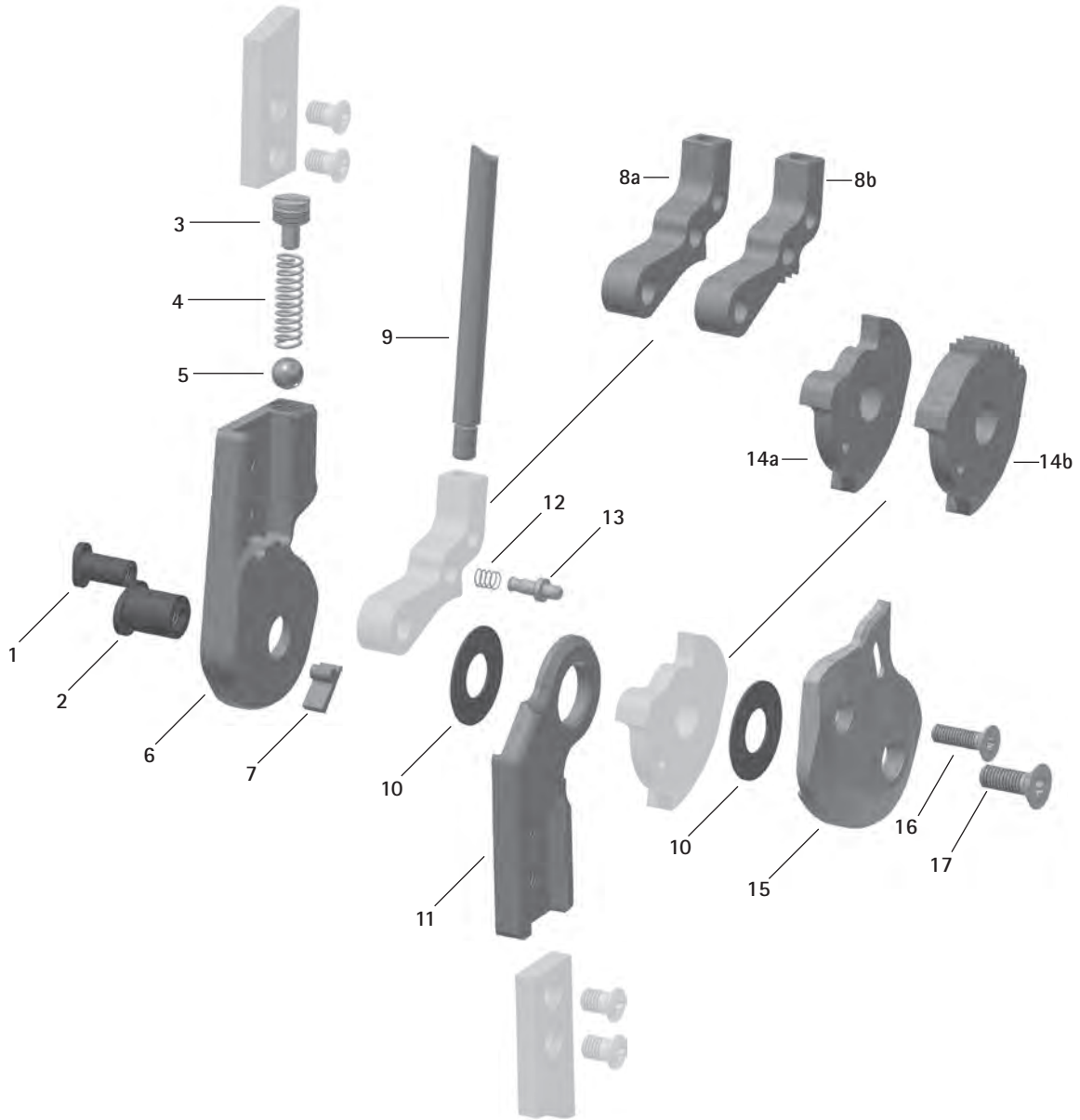
Basic Function, Bent Inwards Distally (fig. 2)						
Material	Leg side	Unit	Article number for system width			
			12mm	14mm	16mm	20mm
Titanium	Left lateral or right medial	Piece	SK7321-L/TI	SK7322-L/TI	SK7323-L/TI	SK7325-L/TI
	Left medial or right lateral	Piece	SK7321-R/TI	SK7322-R/TI	SK7323-R/TI	SK7325-R/TI

Alternative Function 3 Premounted, Straight (fig. 1)						
Material	Leg side	Unit	Article number for system width			
			12mm	14mm	16mm	20mm
Titanium	Left lateral or right medial	Piece	SK7401-L/TI	SK7402-L/TI	SK7403-L/TI	SK7405-L/TI
	Left medial or right lateral	Piece	SK7401-R/TI	SK7402-R/TI	SK7403-R/TI	SK7405-R/TI



Alternative Function 3 Premounted, Bent Inwards Distally (fig. 2)						
Material	Leg side	Unit	Article number for system width			
			12mm	14mm	16mm	20mm
Titanium	Left lateral or right medial	Piece	SK7421-L/TI	SK7422-L/TI	SK7423-L/TI	SK7425-L/TI
	Left medial or right lateral	Piece	SK7421-R/TI	SK7422-R/TI	SK7423-R/TI	SK7425-R/TI

Spare Parts



Spare Parts					
Item	Article number for system width				Description
	12mm	14mm	16mm	20mm	
1	SB6049-L0850	SB6049-L0950	SB6049-L1130	SB8559-L1290	Bearing nut (locking pawl)
2	SB7049-L0850	SB8559-L0950	SB9669-L1130	SB1069-L1290	Bearing nut (joint axis)
3	SC2106-L04	SC2107-L04	SC9608-L11	SC9609-L04	Pressure screw
4	FE1414-01	FE1520-01	FE1527-01	FE2726-01	Pressure spring
5	KU1005-ST	KU1006-ST	KU1007-ST	KU1008-ST	Ball
6	SK0701-2L/TI	SK0702-2L/TI	SK0703-2L/TI	SK0705-2L/TI	Upper part, left lateral or right medial, straight, titanium
6	SK0701-2R/TI	SK0702-2R/TI	SK0703-2R/TI	SK0705-2R/TI	Upper part, left medial or right lateral, straight, titanium
7	SK9801-E005	SK9802-E005	SK9803-E005	SK9805-E005	5° extension stop
8a	SK0771-*	SK0772-*	SK0773-*	SK0775-*	Locking pawl*
8b	SK0761-**	SK0762-**	SK0763-**	SK0765-**	Step lock pawl AF3**
9	SK0492-ST	SK0492-ST	SK0495-ST	SK0495-ST	Lever extension
10	GS1807-***	GS2009-***	GS2210-***	GS2411-***	Sliding washer***
11	SK0711-L/TI	SK0712-L/TI	SK0713-L/TI	SK0715-L/TI	Lower part, left lateral or right medial, straight, titanium
11	SK0711-R/TI	SK0712-R/TI	SK0713-R/TI	SK0715-R/TI	Lower part, left medial or right lateral, straight, titanium
11	SK0731-L/TI	SK0732-L/TI	SK0733-L/TI	SK0735-L/TI	Lower part, left lateral or right medial, bent inwards, titanium
11	SK0731-R/TI	SK0732-R/TI	SK0733-R/TI	SK0735-R/TI	Lower part, left medial or right lateral, bent inwards, titanium
12	FE1407-01	FE1411-02	FE1411-02	FE1411-02	Pressure spring
13	SK0771-20	SK0772-20	SK0773-20	SK0775-20	Locating pin to adjust the permanent unlock function
14a	SK0781-2L/TI	SK0782-2L/TI	SK0783-2L/TI	SK0785-2L/TI	5° flexion stop disc, 5°-55°, in 10° steps, left lateral or right medial, titanium
14a	SK0781-2R/TI	SK0782-2R/TI	SK0783-2R/TI	SK0785-2R/TI	5° flexion stop disc, 5°-55°, in 10° steps, left medial or right lateral, titanium
14b	SK0791-2L/TI	SK0792-2L/TI	SK0793-2L/TI	SK0795-2L/TI	Step lock stop disc AF3, 5°-55°, in 10° steps, left lateral or right medial, titanium
14b	SK0791-2R/TI	SK0792-2R/TI	SK0793-2R/TI	SK0795-2R/TI	Step lock stop disc AF3, 5°-55°, in 10° steps, left medial or right lateral, titanium
15	SK0761-L/AL	SK0762-L/AL	SK0763-L/AL	SK0765-L/AL	Cover plate, left lateral or right medial, aluminium
15	SK0761-R/AL	SK0762-R/AL	SK0763-R/AL	SK0765-R/AL	Cover plate, left medial or right lateral, aluminium
16	SC1404-L12	SC1404-L12	SC1404-L14	SC1405-L14	Countersunk flat head screw, hexalobular socket
17	SC1404-L12	SC1405-L12	SC1405-L14	SC1406-L14	Countersunk flat head screw, hexalobular socket (axle screw)
W/o fig.	SK0492-VS	SK0492-VS	SK0493-VS	SK0493-VS	Connecting tube for lever extension
W/o fig.	SC0403-L08	SC0403-L08	SC0403-L10	SC0403-L10	Pan head screw for exchanging extension stops

* Locking Pawls

12mm	Article number for system width		
	14mm	16mm	20mm
-	-	-	SK0775-L/025
SK0771-L/038	-	-	SK0775-L/038
SK0771-L/050	SK0772-L/050	SK0773-L/050	SK0775-L/050
SK0771-L/063	SK0772-L/063	SK0773-L/063	SK0775-L/063
-	SK0772-L/075	SK0773-L/075	SK0775-L/075
-	SK0772-L/088	SK0773-L/088	SK0775-L/088
-	SK0772-L/100	SK0773-L/100	-



The locking pawl/step lock pawl is marked with the last three digits of the article number. The larger the number, the longer the locking pawl/step lock pawl. Please, note and respect when reordering: Mount the next longer locking pawl/step lock pawl if there is any play resulting from usage.

** Step Lock Pawls

SK0761-L/025	SK0762-L/025	SK0763-L/025	SK0765-L/025
SK0761-L/038	-	-	-
SK0761-L/050	SK0762-L/050	SK0763-L/050	SK0765-L/050
SK0761-L/063	SK0762-L/063	SK0763-L/063	SK0765-L/063
SK0761-L/075	SK0762-L/075	SK0763-L/075	SK0765-L/075
-	SK0762-L/088	SK0763-L/088	SK0765-L/088
-	SK0762-L/100	SK0763-L/100	-



If you need a locking pawl/step lock pawl for the right leg (right lateral or left medial), as opposed to locking pawl/step lock pawl for the left leg (left lateral or right medial) listed here, you have to replace the L in the article number with an R. For example: SK0761-R/025.

→ The step lock pawl and step lock stop disc may be subject to higher wear.

*** Sliding Washers

12mm	Article number for system width		
	14mm	16mm	20mm
Ø = 18mm	Ø = 20mm	Ø = 22mm	Ø = 24mm
GS1807-040	GS2009-040	GS2210-040	GS2411-040
GS1807-045	GS2009-045	GS2210-045	GS2411-045
GS1807-050	GS2009-050	GS2210-050	GS2411-050
GS1807-055	GS2009-055	GS2210-055	GS2411-055
GS1807-060	GS2009-060	GS2210-060	GS2411-060

The last three digits of the article number stand for the thickness of the sliding washer e.g. GS1407-040. The thickness of this sliding washer is 0.40mm. In total, the sliding washers are available in five different thicknesses. The thickness of a sliding washer is indicated by the markings. For example, a sliding washer with two grooves is 0.40mm thick, whereas a sliding washer with one notch is 0.55mm thick.



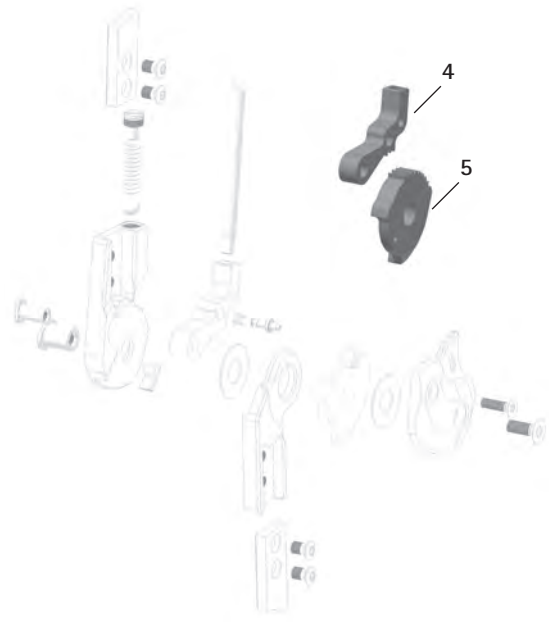
→ You will find system side bars and system anchors on catalogue page F1ff.

NEURO LOCK

Extension Stops for Alternative Function 1

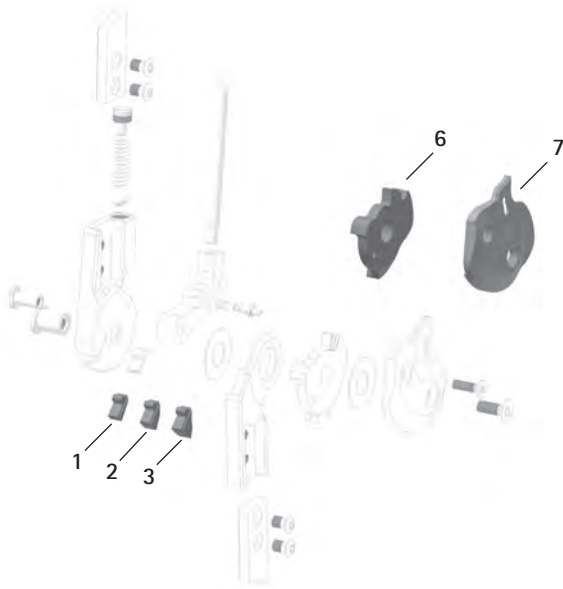


Step Lock Stop Disc and Step Lock Pawl for Alternative Function 3

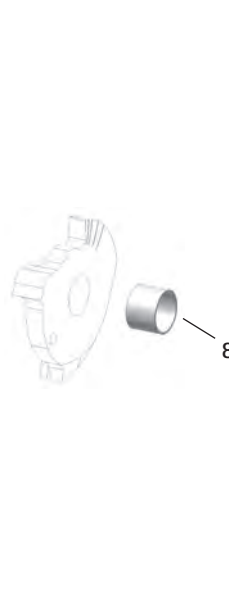


NEURO LOCK MAX

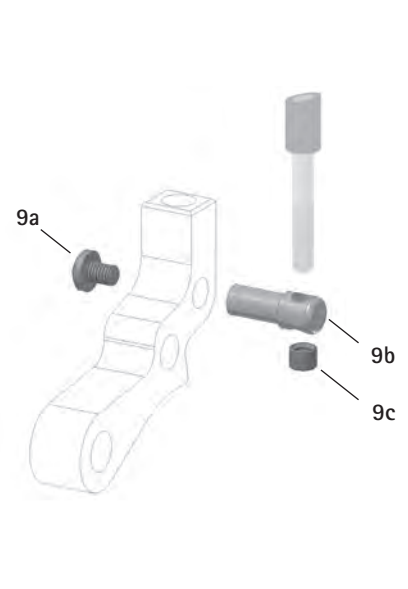
Flexion Stop Disc and Cover Plate for Alternative Function 4



Repair Bushing

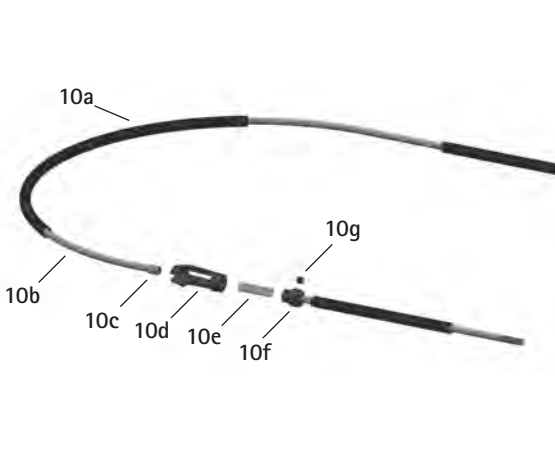


Pulling Cable Adaptor (9)

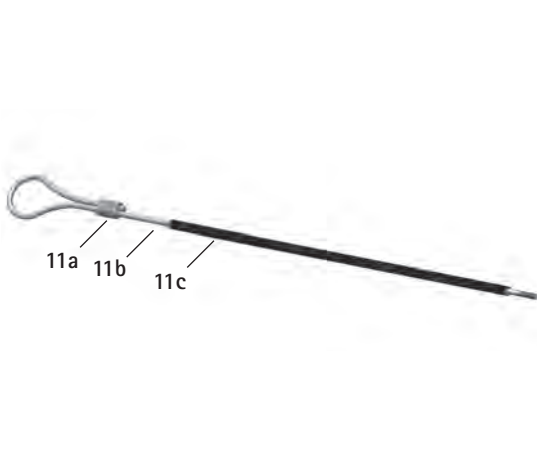


NEURO FLEX MAX

Pulling Cable Separable (10)



Pulling Cable Unilateral (11)



0° Flexion Stop Disc (12)



Accessory Parts

Item	Article number for system width				Description
	12mm	14mm	16mm	20mm	
1	SK9801-E010	SK9802-E010	SK9803-E010	SK9805-E010	10° extension stop
2	SK9801-E020	SK9802-E020	SK9803-E020	SK9805-E020	20° extension stop
3	SK9801-E030	SK9802-E030	SK9803-E030	SK9805-E030	30° extension stop
1-3	SK9801	SK9802	SK9803	SK9805	Set of stops, 10°, 20°, 30° extension stops (1 of each)
4	SK0761-***	SK0762-***	SK0763-***	SK0765-***	Step lock pawl AF3***
5	SK0791-2L/TI	SK0792-2L/TI	SK0793-2L/TI	SK0795-2L/TI	Step lock stop disc AF3, 5°-55°, in 10° steps, left lateral or right medial, titanium
5	SK0791-2R/TI	SK0792-2R/TI	SK0793-2R/TI	SK0795-2R/TI	Step lock stop disc AF3, 5°-55°, in 10° steps, left medial or right lateral, titanium
5	SK0791-L/TI	SK0792-L/TI	SK0793-L/TI	SK0795-L/TI	Step lock stop disc AF3, 0°-60°, in 10° steps, left lateral or right medial, titanium
5	SK0791-R/TI	SK0792-R/TI	SK0793-R/TI	SK0795-R/TI	Step lock stop disc AF3, 0°-60°, in 10° steps, left medial or right lateral, titanium
6	SK0741-2L50F	SK0742-2L50F	SK0743-2L50F	SK0745-2L50F	5° flexion stop disc AF4, 5°-55°, in 10° steps, left lateral or right medial, titanium
6	SK0741-2R50F	SK0742-2R50F	SK0743-2R50F	SK0745-2R50F	5° flexion stop disc AF4, 5°-55°, in 10° steps, left medial or right lateral, titanium
6	SK0741-L50F	SK0742-L50F	SK0743-L50F	SK0745-L50F	0° flexion stop disc AF4, 0°-60°, in 10° steps, left lateral or right medial, titanium
6	SK0741-R50F	SK0742-R50F	SK0743-R50F	SK0745-R50F	0° flexion stop disc AF4, 0°-60°, in 10° steps, left medial or right lateral, titanium
7	SK0761-4L/AL	SK0762-4L/AL	SK0763-4L/AL	SK0765-4L/AL	Cover plate AF4, left lateral or right medial, aluminium
7	SK0761-4R/AL	SK0762-4R/AL	SK0763-4R/AL	SK0765-4R/AL	Cover plate AF4, left medial or right lateral, aluminium
8	BP0807-L056*	BP1009-L065*	BP1110-L078*	BP1211-L090*	Repair bushing*
9	ZS3701	ZS3702	ZS3703	ZS3705	Pulling cable adaptor
9a	SC4303-L04	SC4303-L04	SC4303-L04	SC4304-L08	Pan head screw, cross recessed H
9b	ZS0324-06	ZS0324-07	ZS0324-08	ZS0326-10	Pulling cable holder
9c	ZS0233	ZS0233	ZS0233	ZS0235	Threaded sleeve
W/o fig.	ZS1000-L400	ZS1000-L400	ZS1000-L400	ZS1000-L400	Pulling cable, nylon cable with cover, 400mm**
W/o fig.	ZS1000-L500	ZS1000-L500	ZS1000-L500	ZS1000-L500	Pulling cable, nylon cable with cover, 500mm**
W/o fig.	ZS1000-L600	ZS1000-L600	ZS1000-L600	ZS1000-L600	Pulling cable, nylon cable with cover, 600mm**
W/o fig.	ZS1000-L700	ZS1000-L700	ZS1000-L700	ZS1000-L700	Pulling cable, nylon cable with cover, 700mm**
10	ZS1100-L400	ZS1100-L400	ZS1100-L400	ZS1100-L400	Pulling cable separable through coupler, 400mm**
10	ZS1100-L500	ZS1100-L500	ZS1100-L500	ZS1100-L500	Pulling cable separable through coupler, 500mm**
10a	ZS0102	ZS0102	ZS0102	ZS0102	Cable cover, 1000mm long
10b	ZS0002	ZS0002	ZS0002	ZS0002	Nylon cable, 1000mm long
10c	ZS0235	ZS0235	ZS0235	ZS0235	Threaded sleeve, 5mm long
10d	VE0101-AL	VE0101-AL	VE0101-AL	VE0101-AL	Coupler case, aluminium
10e	FE1420-01	FE1420-01	FE1420-01	FE1420-01	Spring
10f	VE0102-AL	VE0102-AL	VE0102-AL	VE0102-AL	Connecting screw for coupler
10g	SC9603-L03	SC9603-L03	SC9603-L03	SC9603-L03	Hexagon socket set screw
10c-10g	VE1000-AL	VE1000-AL	VE1000-AL	VE1000-AL	Coupler, aluminium
11	ZS1400-L600	ZS1400-L600	ZS1400-L600	ZS1400-L600	Pulling cable with ferrule for unilateral lock, nylon cable with cover, 600mm long**
11a	ZS0403-AL	ZS0403-AL	ZS0403-AL	ZS0403-AL	Ferrule for 3mm nylon cable, aluminium
11b	ZS0001-L600	ZS0001-L600	ZS0001-L600	ZS0001-L600	Nylon cable with thread
11c	ZS0102-L500	ZS0102-L500	ZS0102-L500	ZS0102-L500	Cable cover, 500mm long
12	SK0781-L/TI	SK0782-L/TI	SK0783-L/TI	SK0785-L/TI	0° flexion stop disc, left lateral or right medial, titanium
12	SK0781-R/TI	SK0782-R/TI	SK0783-R/TI	SK0785-R/TI	0° flexion stop disc, left medial or right lateral, titanium

* You will find special reaming tools on catalogue page G11.

** You need a pulling cable adaptor for each lock lever you want to mount a pulling cable on.

➔ The step lock pawl and step lock stop disc may be subject to higher wear.

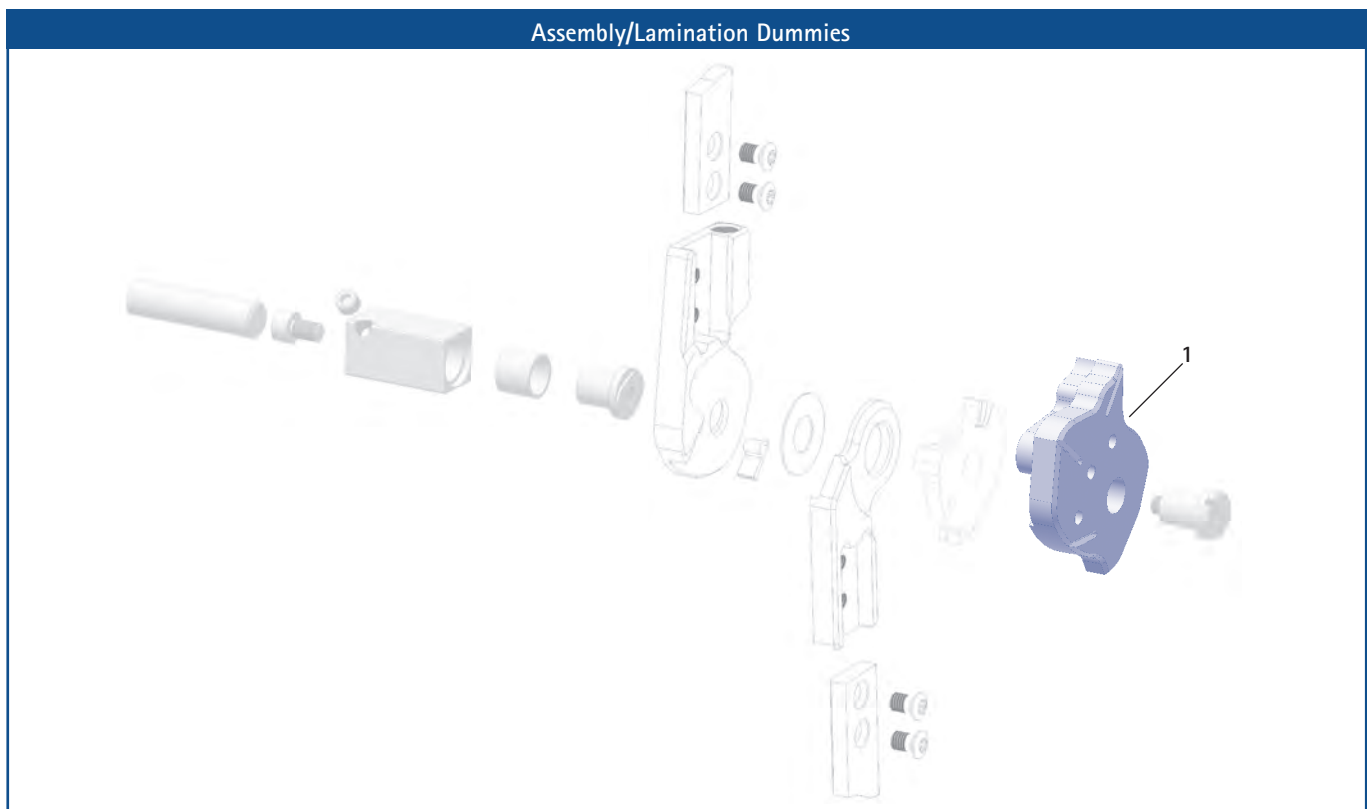
***Step Lock Pawl

12mm	Article number for system width		
	14mm	16mm	20mm
SK0761-L/025	SK0762-L/025	SK0763-L/025	SK0765-L/025
SK0761-L/038	-	-	-
SK0761-L/050	SK0762-L/050	SK0763-L/050	SK0765-L/050
SK0761-L/063	SK0762-L/063	SK0763-L/063	SK0765-L/063
SK0761-L/075	SK0762-L/075	SK0763-L/075	SK0765-L/075
-	SK0762-L/088	SK0763-L/088	SK0765-L/088
-	SK0762-L/100	SK0763-L/100	-

The step lock pawl is marked with the last three digits of the article number. The larger the number, the longer the step lock pawl. Please, note and respect when reordering: Mount the next longer step lock pawl if there is any play resulting from usage.



If you need a step lock pawl for the right leg (right lateral or left medial), as opposed to the locking pawls for the left leg (left lateral or right medial) listed here, you have to replace the L in the article number with an R. For example: SK0761-R/025.



Tools and Assembly/Lamination Dummies						
Item	Article number for system width				Description	Unit
	12mm	14mm	16mm	20mm		
1	SK0971-L	SK0972-L	SK0973-L	SK0975-L	Assembly/lamination dummy, left lateral or right medial	Piece
1	SK0971-R	SK0972-R	SK0973-R	SK0975-R	Assembly/lamination dummy, left medial or right lateral	Piece

- ➔ Assembly/lamination dummies are included in the scope of delivery of the system joints.
- ➔ You will find an overview of our tools on catalogue page G1ff.

System side bars and system anchors are connecting elements. A system side bar can e.g. directly connect a system knee joint with a system ankle joint. The bands of a Strong Light orthosis are attached to the system side bars. A system anchor connects system knee joint or system ankle joint with the shell of a laminated orthosis. It is embedded into the laminate.

System side bars and system anchors are available in different system widths and materials for three production techniques which can be used for unilateral and for bilateral constructions.

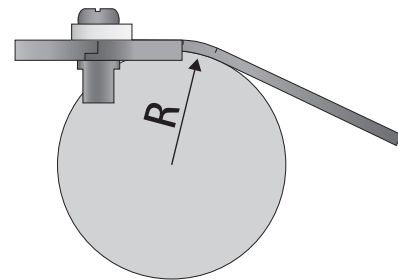
To ensure an optimum choice of system side bar and system anchor material for each type of orthosis, use our Orthosis Configurator. It selects according to the principle **The lightest possible and the strongest necessary!** and with the help of all patient data and the desired production technique the most suitable system side bar and system anchor material.

Information Concerning Material Characteristics

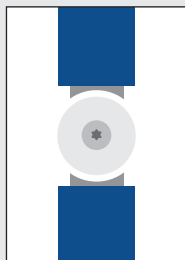
Description	Material	Strength	Breaking elongation	Weight	Calculating the min. bending radius [R]
AL	Aluminium	High	Medium	Low	$R = 11 \times \text{material thickness}$
TI G2	Titanium Grade 2	High	High	Medium	$R = 5 \times \text{material thickness}$
TI G5	Titanium Grade 5	Very high	Low	Medium	$R = 10 \times \text{material thickness}$

To avoid fractures, note and respect that a system side bar/system anchor must not be bent in too narrow radii.

The bending radius depends on the thickness of the material (see table).

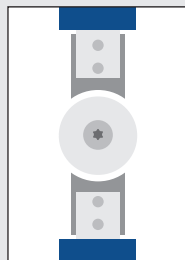


Production Techniques



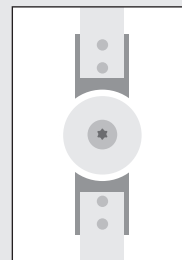
Joint Lamination/Prepreg Technique

In this production technique the system anchors and the joints' system cases are embedded into the laminate.



Anchor Lamination/Prepreg Technique

In this production technique only the system anchors are embedded into the laminate. The joints' system cases remain free.



Strong Light Technique

This production technique is characterised by its high load capacity, even though it has a lightweight construction. The system side bars can be used in orthoses with shells made of PE/PP plastics as well as in orthoses with bands made of carbon or aluminium.

All system side bars and system anchors can only withstand the load if they are processed correctly according to the production technique and mounted correctly into the orthosis. For information about system side bar and system anchor processing read the manual which is included in the scope of delivery (PB1000-SA).

You will also find detailed information about our production techniques on the internet at www.fior-gentz.com

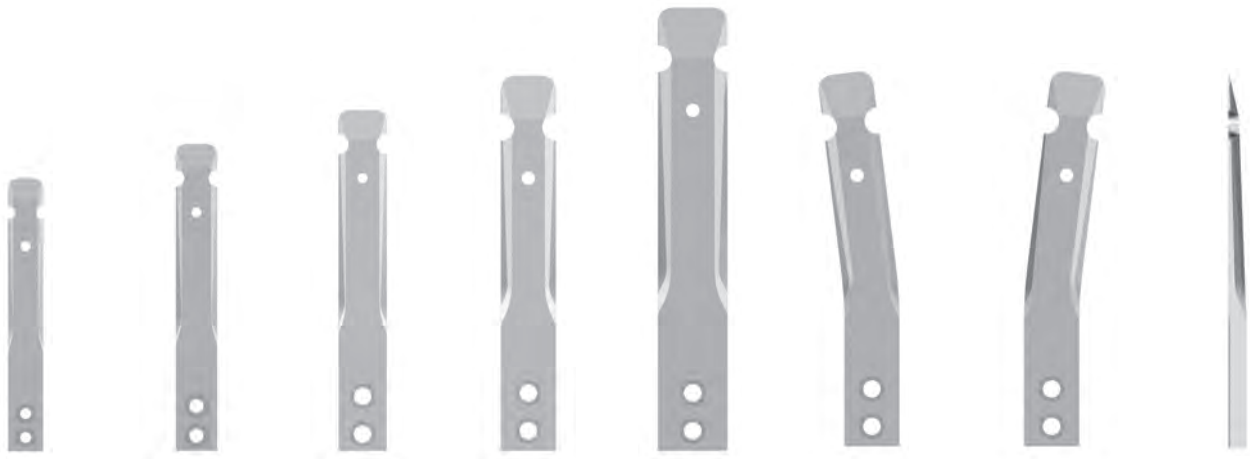


Fig. 1 Straight 10mm Fig. 2 Straight 12mm Fig. 3 Straight 14mm Fig. 4 Straight 16mm Fig. 5 Straight 20mm Fig. 6 Calf curved/left Fig. 7 Calf curved/right Side view Straight

Aluminium System Anchors*				
Fig.	Article number	Description	Length x width x thickness [mm]	Weight [g/cm]
1	SA1040-AL	System anchor for 10mm system joints, straight	80 x 10 x 3	5
2	SA1041-AL	System anchor for 12mm system joints, straight	90 x 12 x 3.5	7
3	SA1042-AL	System anchor for 14mm system joints, straight	100 x 14 x 4	11
4	SA1063-AL	System anchor for 16mm system joints, straight	110 x 16 x 5	17
5	SA1085-AL	System anchor for 20mm system joints, straight	130 x 20 x 6	30
6	SA1241-L/AL	System anchor for 12mm system joints, calf curved/left	90 x 12 x 3.5	7
6	SA1242-L/AL	System anchor for 14mm system joints, calf curved/left	100 x 14 x 4	11
6	SA1263-L/AL	System anchor for 16mm system joints, calf curved/left	110 x 16 x 5	17
6	SA1285-L/AL	System anchor for 20mm system joints, calf curved/left	130 x 20 x 6	30
7	SA1241-R/AL	System anchor for 12mm system joints, calf curved/right	90 x 12 x 3.5	7
7	SA1242-R/AL	System anchor for 14mm system joints, calf curved/right	100 x 14 x 4	11
7	SA1263-R/AL	System anchor for 16mm system joints, calf curved/right	110 x 16 x 5	17
7	SA1285-R/AL	System anchor for 20mm system joints, calf curved/right	130 x 20 x 6	30

* The scope of delivery of a system anchor always contains two fastening screws.

Fastening Screw for System Side Bars and System Anchors (fig. 8)			
Article number	System width	Description	Unit
SC1403-L08	10mm	Raised countersunk head screw with hexalobular socket, M3 x 8	Piece
SC5404-L06	12mm	Raised countersunk head screw with hexalobular socket, M4 x 6	Piece
SC5405-L08	14 and 16mm	Raised countersunk head screw with hexalobular socket, M5 x 8	Piece
SC5405-L09	20mm	Raised countersunk head screw with hexalobular socket, M5 x 9	Piece





Fig. 9
Straight 10mm



Fig. 10
Straight 12mm



Fig. 11
Straight 14mm



Fig. 12
Straight 16mm



Fig. 13
Straight 20mm



Fig. 14
Calf curved/left



Fig. 15
Calf curved/right

Aluminium System Side Bars*

Fig.	Article number	Description	Length x width x thickness [mm]	Weight [g/cm]
9	SS1040-AL	System side bar for 10mm system joints, straight	200 x 10 x 3	0.8
10	SS1041-AL	System side bar for 12mm system joints, straight	225 x 12 x 3.5	1.1
11	SS1042-AL	System side bar for 14mm system joints, straight	250 x 14 x 4	1.5
12	SS1063-AL	System side bar for 16mm system joints, straight	410 x 16 x 5	2.1
13	SS1085-AL	System side bar for 20mm system joints, straight	480 x 20 x 6	3.1
14	SS1241-LJ/AL	System side bar for 12mm system joints, calf curved/left	265 x 12 x 3.5	1.1
14	SS1242-LJ/AL	System side bar for 14mm system joints, calf curved/left	300 x 14 x 4	1.5
14	SS1263-LJ/AL	System side bar for 16mm system joints, calf curved/left	450 x 16 x 5	2.1
14	SS1285-LJ/AL	System side bar for 20mm system joints, calf curved/left	530 x 20 x 6	3.1
15	SS1241-RJ/AL	System side bar for 12mm system joints, calf curved/right	265 x 12 x 3.5	1.1
15	SS1242-RJ/AL	System side bar for 14mm system joints, calf curved/right	300 x 14 x 4	1.5
15	SS1263-RJ/AL	System side bar for 16mm system joints, calf curved/right	450 x 16 x 5	2.1
15	SS1285-RJ/AL	System side bar for 20mm system joints, calf curved/right	530 x 20 x 6	3.1

* The scope of delivery of a system side bar always contains two fastening screws.

One-Metre System Side Bars

Fig.	Article number	Description	Length x thickness [mm]	Weight [g/cm]
Similar to fig. 10 without bore	SS1041-AL/00	One-metre system side bar for 12mm system joints	1000 x 3.5	2.8
Similar to fig. 11 without bore	SS1042-AL/00	One-metre system side bar for 14mm system joints	1000 x 4	2.8
Similar to fig. 12 without bore	SS1063-AL/00	One-metre system side bar for 16mm system joints	1000 x 5	2.8
Similar to fig. 13 without bore	SS1085-AL/00	One-metre system side bar for 20mm system joints	1000 x 6	2.8

Fastening Screw for System Side Bars and System Anchors (fig. 16)

Article number	System width	Description	Unit
SC1403-L08	10mm	Raised countersunk head screw with hexalobular socket, M3 x 8	Piece
SC5404-L06	12mm	Raised countersunk head screw with hexalobular socket, M4 x 6	Piece
SC5405-L08	14 and 16mm	Raised countersunk head screw with hexalobular socket, M5 x 8	Piece
SC5405-L09	20mm	Raised countersunk head screw with hexalobular socket, M5 x 9	Piece

Fastening Screw (fig. 16)



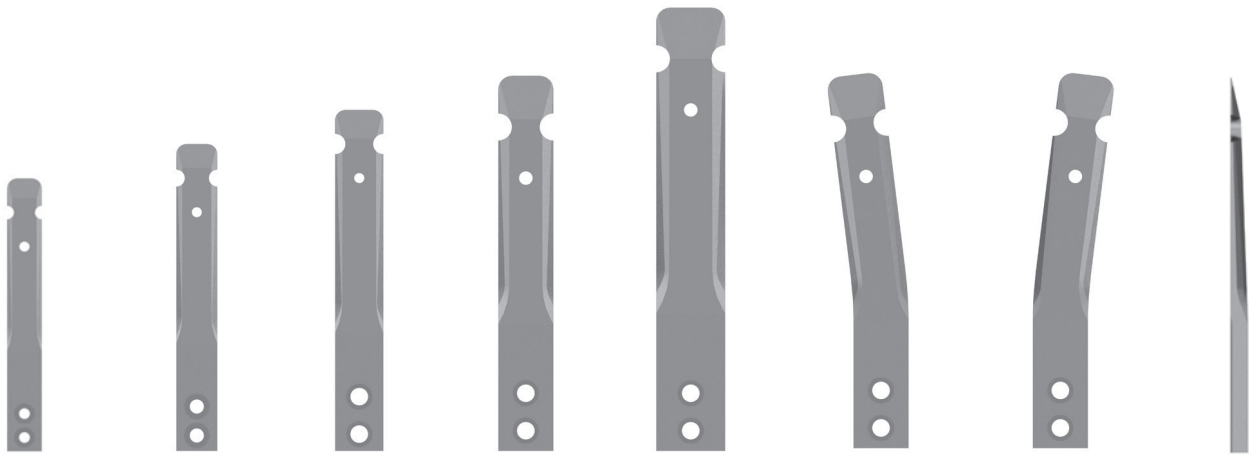


Fig. 1 Straight 10mm Fig. 2 Straight 12mm Fig. 3 Straight 14mm Fig. 4 Straight 16mm Fig. 5 Straight 20mm Fig. 6 Calf curved/left Fig. 7 Calf curved/right Side view Straight

Titanium Grade 2 System Anchors*

Fig.	Article number	Description	Length x width x thickness [mm]	Weight [g/cm]
1	SA1040-TI	System anchor for 10mm system joints, straight	80 x 10 x 3	8
2	SA1041-TI	System anchor for 12mm system joints, straight	90 x 12 x 3.5	12
3	SA1042-TI	System anchor for 14mm system joints, straight	100 x 14 x 4	18
4	SA1063-TI	System anchor for 16mm system joints, straight	110 x 16 x 5	28
5	SA1085-TI	System anchor for 20mm system joints, straight	130 x 20 x 6	51
6	SA1241-L/TI	System anchor for 12mm system joints, calf curved/left	90 x 12 x 3.5	12
6	SA1242-L/TI	System anchor for 14mm system joints, calf curved/left	100 x 14 x 4	18
6	SA1263-L/TI	System anchor for 16mm system joints, calf curved/left	110 x 16 x 5	28
6	SA1285-L/TI	System anchor for 20mm system joints, calf curved/left	130 x 20 x 6	51
7	SA1241-R/TI	System anchor for 12mm system joints, calf curved/right	90 x 12 x 3.5	12
7	SA1242-R/TI	System anchor for 14mm system joints, calf curved/right	100 x 14 x 4	18
7	SA1263-R/TI	System anchor for 16mm system joints, calf curved/right	110 x 16 x 5	28
7	SA1285-R/TI	System anchor for 20mm system joints, calf curved/right	130 x 20 x 6	51

* The scope of delivery of a system anchor always contains two fastening screws.

Fastening Screw for System Side Bars and System Anchors (fig. 8)

Article number	System width	Description	Unit
SC1403-L08	10mm	Raised countersunk head screw with hexalobular socket, M3 x 8	Piece
SC5404-L06	12mm	Raised countersunk head screw with hexalobular socket, M4 x 6	Piece
SC5405-L08	14 and 16mm	Raised countersunk head screw with hexalobular socket, M5 x 8	Piece
SC5405-L09	20mm	Raised countersunk head screw with hexalobular socket, M5 x 9	Piece

Fastening Screw (fig. 8)





Fig. 9
Straight 10mm



Fig. 10
Straight 12mm



Fig. 11
Straight 14mm



Fig. 12
Straight 16mm



Fig. 13
Straight 20mm



Fig. 14
Calf curved/left



Fig. 15
Calf curved/right

Titanium Grade 2 System Side Bars*

Fig.	Article number	Description	Length x width x thickness [mm]	Weight [g/cm]
9	SS1040-TI	System side bar for 10mm system joints, straight	200 x 10 x 3	1.3
10	SS1041-TI	System side bar for 12mm system joints, straight	225 x 12 x 3.5	1.8
11	SS1042-TI	System side bar for 14mm system joints, straight	250 x 14 x 4	2.4
12	SS1063-TI	System side bar for 16mm system joints, straight	410 x 16 x 5	3.4
13	SS1085-TI	System side bar for 20mm system joints, straight	480 x 20 x 6	5.0
14	SS1241-L/TI	System side bar for 12mm system joints, calf curved/left	265 x 12 x 3.5	1.8
14	SS1242-L/TI	System side bar for 14mm system joints, calf curved/left	300 x 14 x 4	2.4
14	SS1263-L/TI	System side bar for 16mm system joints, calf curved/left	450 x 16 x 5	3.4
14	SS1285-L/TI	System side bar for 20mm system joints, calf curved/left	530 x 20 x 6	5.0
15	SS1241-R/TI	System side bar for 12mm system joints, calf curved/right	265 x 12 x 3.5	1.8
15	SS1242-R/TI	System side bar for 14mm system joints, calf curved/right	300 x 14 x 4	2.4
15	SS1263-R/TI	System side bar for 16mm system joints, calf curved/right	450 x 16 x 5	3.4
15	SS1285-R/TI	System side bar for 20mm system joints, calf curved/right	530 x 20 x 6	5.0

* The scope of delivery of a system side bar always contains two fastening screws.

Fastening Screw for System Side Bars and System Anchors (fig. 16)

Article number	System width	Description	Unit
SC1403-L08	10mm	Raised countersunk head screw with hexalobular socket, M3 x 8	Piece
SC5404-L06	12mm	Raised countersunk head screw with hexalobular socket, M4 x 6	Piece
SC5405-L08	14 and 16mm	Raised countersunk head screw with hexalobular socket, M5 x 8	Piece
SC5405-L09	20mm	Raised countersunk head screw with hexalobular socket, M5 x 9	Piece

Fastening Screw (fig. 16)



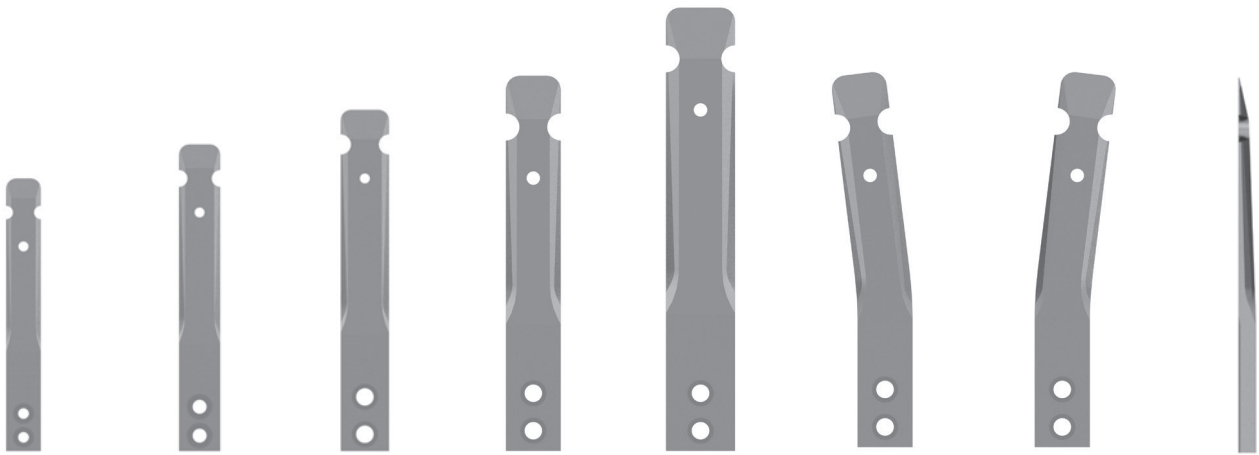


Fig. 1 Straight 10mm Fig. 2 Straight 12mm Fig. 3 Straight 14mm Fig. 4 Straight 16mm Fig. 5 Straight 20mm Fig. 6 Calf curved/left Fig. 7 Calf curved/right Side view Straight

Titanium Grade 5 System Anchors*				
Fig.	Article number	Description	Length x width x thickness [mm]	Weight [g/cm]
1	SA2040-TI	System anchor for 10mm system joints, straight	80 x 10 x 3	8
2	SA2041-TI	System anchor for 12mm system joints, straight	90 x 12 x 3.5	12
3	SA2042-TI	System anchor for 14mm system joints, straight	100 x 14 x 4	18
4	SA2063-TI	System anchor for 16mm system joints, straight	110 x 16 x 5	25
5	SA2085-TI	System anchor for 20mm system joints, straight	130 x 20 x 6	41
6	SA2241-L/TI	System anchor for 12mm system joints, calf curved/left	90 x 12 x 3.5	12
6	SA2242-L/TI	System anchor for 14mm system joints, calf curved/left	100 x 14 x 4	18
6	SA2263-L/TI	System anchor for 16mm system joints, calf curved/left	110 x 16 x 5	25
6	SA2285-L/TI	System anchor for 20mm system joints, calf curved/left	130 x 20 x 6	41
7	SA2241-R/TI	System anchor for 12mm system joints, calf curved/right	90 x 12 x 3.5	12
7	SA2242-R/TI	System anchor for 14mm system joints, calf curved/right	100 x 14 x 4	18
7	SA2263-R/TI	System anchor for 16mm system joints, calf curved/right	110 x 16 x 5	25
7	SA2285-R/TI	System anchor for 20mm system joints, calf curved/right	130 x 20 x 6	41

* The scope of delivery of a system anchor always contains two fastening screws.

Fastening Screw for System Side Bars and System Anchors (fig. 8)			
Article number	System width	Description	Unit
SC1403-L08	10mm	Raised countersunk head screw with hexalobular socket, M3 x 8	Piece
SC5404-L06	12mm	Raised countersunk head screw with hexalobular socket, M4 x 6	Piece
SC5405-L08	14 and 16mm	Raised countersunk head screw with hexalobular socket, M5 x 8	Piece
SC5405-L09	20mm	Raised countersunk head screw with hexalobular socket, M5 x 9	Piece





Fig. 9
Straight 10mm



Fig. 10
Straight 12mm



Fig. 11
Straight 14mm



Fig. 12
Straight 16mm



Fig. 13
Straight 20mm

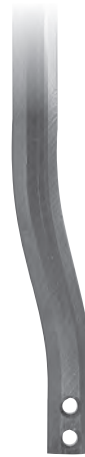


Fig. 14
Calf curved/left



Fig. 15
Calf curved/right

Titanium Grade 5 System Side Bars*

Fig.	Article number	Description	Length x width x thickness [mm]	Weight [g/cm]
9	SS2040-TI	System side bar for 10mm system joints, straight	200 x 10 x 3	1.3
10	SS2041-TI	System side bar for 12mm system joints, straight	225 x 12 x 3.5	1.8
11	SS2042-TI	System side bar for 14mm system joints, straight	250 x 14 x 4	2.4
12	SS2063-TI	System side bar for 16mm system joints, straight	410 x 16 x 5	3.0
13	SS2085-TI	System side bar for 20mm system joints, straight	480 x 20 x 6	4.1
14	SS2241-L/TI	System side bar for 12mm system joints, calf curved/left	265 x 12 x 3.5	1.8
14	SS2242-L/TI	System side bar for 14mm system joints, calf curved/left	300 x 14 x 4	2.4
14	SS2263-L/TI	System side bar for 16mm system joints, calf curved/left	450 x 16 x 5	3.0
14	SS2285-L/TI	System side bar for 20mm system joints, calf curved/left	530 x 20 x 6	4.1
15	SS2241-R/TI	System side bar for 12mm system joints, calf curved/right	265 x 12 x 3.5	1.8
15	SS2242-R/TI	System side bar for 14mm system joints, calf curved/right	300 x 14 x 4	2.4
15	SS2263-R/TI	System side bar for 16mm system joints, calf curved/right	450 x 16 x 5	3.0
15	SS2285-R/TI	System side bar for 20mm system joints, calf curved/right	530 x 20 x 6	4.1

* The scope of delivery of a system side bar always contains two fastening screws.

One-Metre System Side Bars

Fig.	Article number	Description	Length x thickness [mm]	Weight [g/cm]
Similar to fig. 10 without bore	SS2041-TI/00	One-metre system side bar for 12mm system joints	1000 x 3.5	4.4
Similar to fig. 11 without bore	SS2042-TI/00	One-metre system side bar for 14mm system joints	1000 x 4	4.4
Similar to fig. 12 without bore	SS2063-TI/00	One-metre system side bar for 16mm system joints	1000 x 5	4.4
Similar to fig. 13 without bore	SS2085-TI/00	One-metre system side bar for 20mm system joints	1000 x 6	4.4

Fastening Screw for System Side Bars and System Anchors (fig. 16)

Article number	System width	Description	Unit
SC1403-L08	10mm	Raised countersunk head screw with hexalobular socket, M3 x 8	Piece
SC5404-L06	12mm	Raised countersunk head screw with hexalobular socket, M4 x 6	Piece
SC5405-L08	14 and 16mm	Raised countersunk head screw with hexalobular socket, M5 x 8	Piece
SC5405-L09	20mm	Raised countersunk head screw with hexalobular socket, M5 x 9	Piece

Fastening Screw (fig. 16)

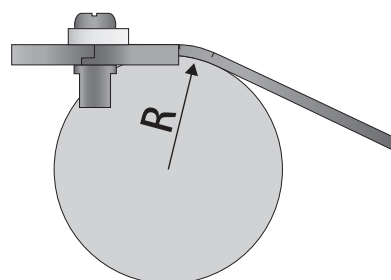


System anchors are connecting elements. The system anchor for the NEURO SWING H₂O system ankle joint connects the system joint to the shell of a laminated orthosis. We developed this anchor for the production of a laminated orthosis using the Anchor Lamination Technique. In this production technique the system anchors are embedded into the laminate.

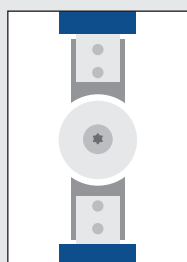
The system anchors for the NEURO SWING H₂O system ankle joint can be used for unilateral as well as bilateral constructions.

Information Concerning Material Characteristics					
Description	Material	Strength	Breaking elongation	Weight	Calculating the min. bending radius [R]
AL	Aluminium	High	Medium	Low	$R = 11 \times \text{material thickness}$

To avoid fractures, note and respect that a system anchor must not be bent in too narrow radii. The bending radius depends on the thickness of the material (see table).



Production Technique



Anchor Lamination/Prepreg Technique
 In this production technique only the system anchors are embedded into the laminate. The joints' system cases remain free.

All system anchors can only withstand the load if they are processed correctly according to the production technique and mounted correctly into the orthosis. For information about how to work the system anchors, read the manual **System Anchors for the NEURO SWING H₂O System Ankle Joint (PB5000-SA)** which is included in the scope of delivery.

You will also find detailed information about our production techniques on the internet at www.fior-gentz.com



Fig. 1
Straight 14mm



Fig. 2
Straight 16mm



Fig. 3
Straight 20mm

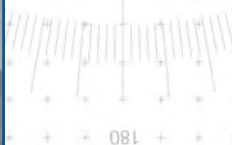
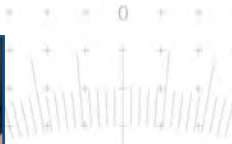


Side view
Straight 16mm

System Anchors for the NEURO SWING H₂O System Ankle Joint

Fig.	Article number	Description	Length x width x thickness [mm]	Weight [g/cm]
1	SA5052-AL	System anchor for 14mm system joints, straight	100 x 18 x 4.9	14
2	SA5063-AL	System anchor for 16mm system joints, straight	110 x 20 x 5.9	20
3	SA5075-AL	System anchor for 20mm system joints, straight	130 x 26 x 7	37

FIOR & GENTZ Tools



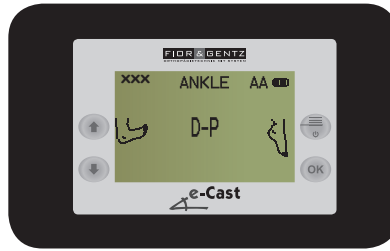
Catalogue Pages of the Tools

Paragraph	Page
Making the negative cast	G2
Positioning the pivot points	G3
Tools for the parallel alignment of the system ankle joints and tools' assignment	G5
Tools for the parallel alignment of the system knee joints/articulated system side bars and tools' assignment	G7
Spare parts for the tools	G9
Further tools	G11
Tool case	G13

h-Cast



e-Cast



h-Cast		
Fig.	Article number	Description
1	WE3200	h-Cast
1a	WE3200-1/5	Cover plate
1b	WE3200-1/4	Plate with tenon, 5mm
1c	WE3200-1/3	Plate with tenon, 10mm
1d	WE3200-1/2	Plate with tenon, 20mm
1e	WE3200-1/1	Base plate with tenon

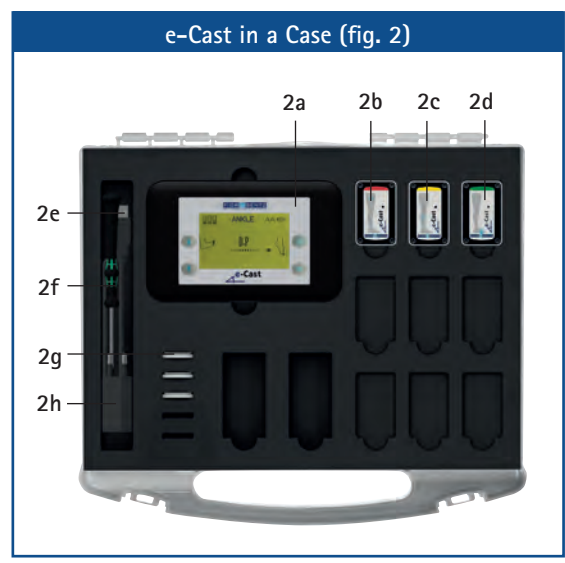
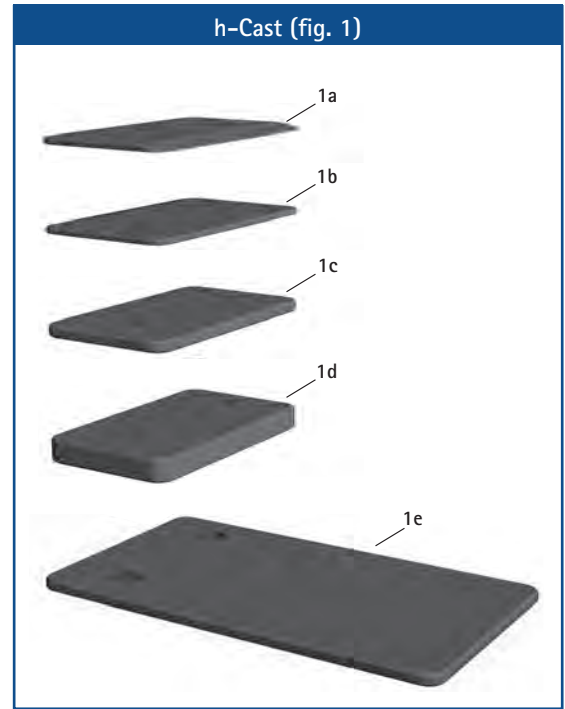
Application: To determine a heel height/leg length discrepancy. For positioning the patient in a physiological position.

e-Cast in a Case		
Fig.	Article number	Description
2	WE3400	e-Cast in a case
2a	ET3400-T	Operator device
2b	ET3410-WE	Sensor for the thigh
2c	ET3420-WE	Sensor for the lower leg
2d	ET3430-WE	Sensor for the foot
2e	ET0710	USB cable
2f	WZ5114-T08	Hexalobular screwdriver
2g	ET0830-2450	3 x batteries for e-Cast sensors
2h	ET0852	USB charger
W/o fig.	KL4200	Glue dots for the fixation of the sensors, 48 pieces
W/o fig.	KL4601	Washers for marking the mechanical pivot points, self-adhesive, 28 pieces

Application: For checking the joint angles during making the negative cast

e-Cast Accessory Parts		
Fig.	Article number	Description
2b, 2c and 2d	ET3400-WE	e-Cast sensor set for making the negative cast

Further Sources of Information			
Source of information	Article number	Link	
e-Cast manual	PB3400-WE	www.fior-gentz.com	
Leaflet	PRO226-GB		
e-Cast production technique	-		
Poster for making the negative cast	PR3400-WE/GB		



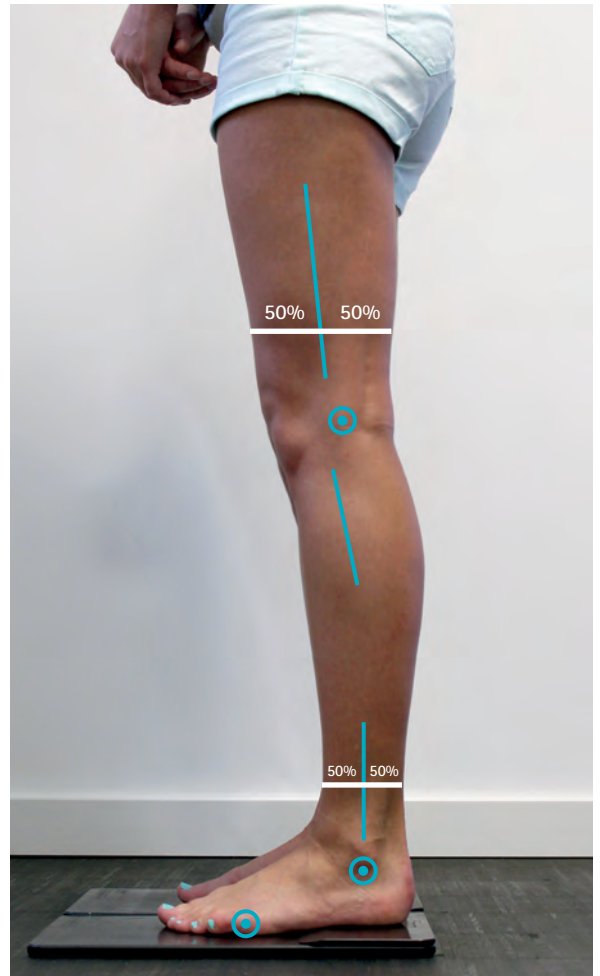
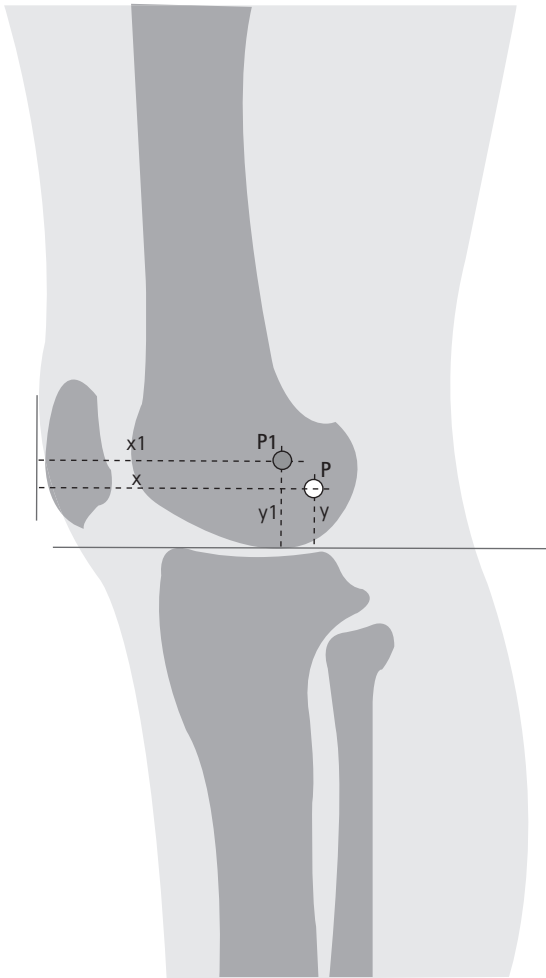
Knee joint:

The position of the mechanical pivot point at knee height is calculated by the Orthosis Configurator using the ap measurement.

With the Orthosis Configurator, the precise anatomical compromise pivot point according to Nietert P1 and the precise mechanical pivot point P can be calculated for your planned orthosis. We recommend to place the orthotic knee joint exactly on the calculated mechanical pivot point P. To do so, mark point P on the patient's leg according to our production technique. Later, the alignment aid (see catalogue page G4) must be pierced through point P on the negative cast.

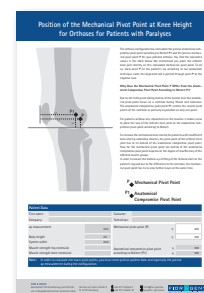
Why Does the Mechanical Pivot Point P Differ from the Anatomical Compromise Pivot Point According to Nietert P1?

Due to the rolling and sliding motion of the human knee, the anatomical pivot point moves on a centrode during flexion and extension. The anatomical compromise pivot point P1 centres the several pivot points of the centrode as precisely as possible on only one point. For patients without any impairment on the muscles it makes sense to place the axis of the orthotic knee joint on the anatomical compromise pivot point according to Nietert. To increase the mechanical knee control for patients with insufficient knee securing muscles, the pivot point of the orthotic knee joint has to lie behind the anatomical compromise pivot point. How far the mechanical pivot point lies behind the anatomical compromise pivot point depends on the degree of insufficiency of the affected muscle groups. In order to reduce the bottom-up shifting of the femoral shell on the patient's leg and due to the difference to the centrode, the mechanical pivot point has to lie also further down at the same time.



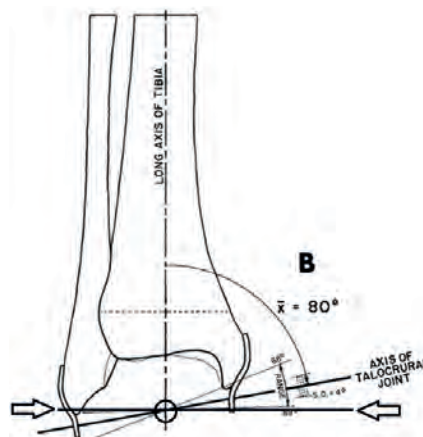
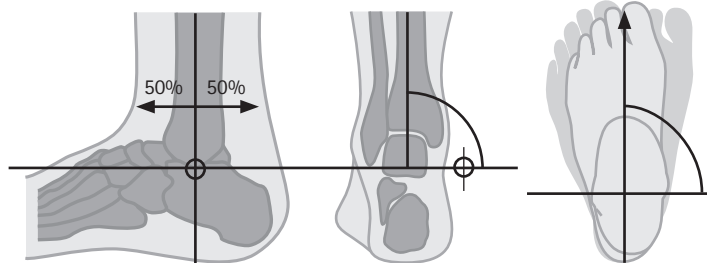
P1 = anatomical compromise pivot point
P = mechanical pivot point

When the pivot point is optimally placed, the course of the system side bars is - due to the integrated posterior offset of the system knee joints - at ca. 50%. Please use our Orthosis Configurator:



Ankle joint:

Correct positioning of the mechanical pivot point at ankle height according to the study of Isman/Inman*




The mechanical pivot point is on the same level as the distal end of the fibula and centrally to the lower leg. The axis is parallel to the ground and rectangular to the direction of movement considering the individual external rotation.

Axis of the upper ankle joint from a frontal view (Isman and Inman, 1969)

The recommended position of the ankle axis cuts the anatomical joint axis according to Isman and Inman intersecting the longitudinal axis of the tibia. Thus, a possible and unintentional shifting of the orthosis is reduced.

Depending on the footwear it can be required to shift up the pivot point. This can lead to an impaired function of the mechanical joint because of the resulting movement of the orthosis.

 mechanical pivot point

* R. Isman and V. Inman, „Anthropometric Studies of Human Foot and Ankle“, San Francisco, California, Biomechanics Laboratory of University of San Francisco Medical Center, 1969

Alignment Aid

Article number	Description	Unit
JA1001	Alignment aid 11 x 11 x 300mm for 10 and 12mm system ankle joints	Piece
JA1000	Alignment aid 15 x 15 x 300mm for all 14, 16 and 20mm system joints as well as 12mm system knee joints	Piece

Application: The alignment aid is pierced through the mechanical pivot points marked on the negative cast. Thus, there is room for the holders (see catalogue page G5ff.).



Alignment aid JA1001

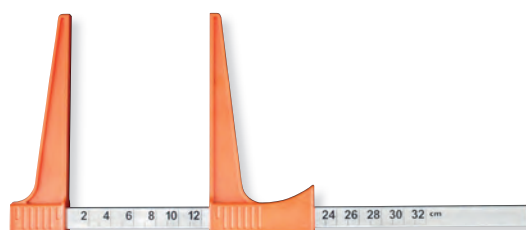
Alignment aid JA1000

Alignment aids in use

Callipers

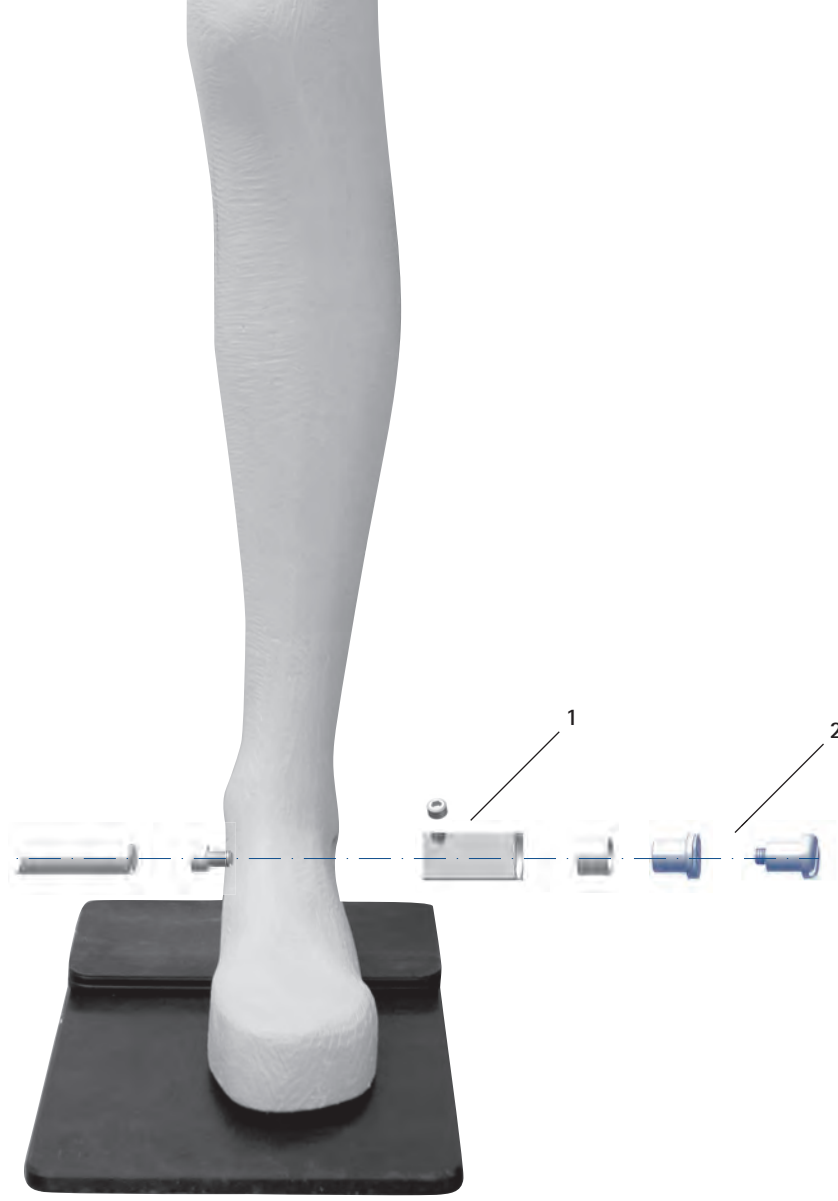
Article number	Description	Unit
WZ3000-32	Callipers, measurement range 0-320mm	Piece




Application: To determine the ap measurement at knee height



Callipers

Holders and Joint Retainers

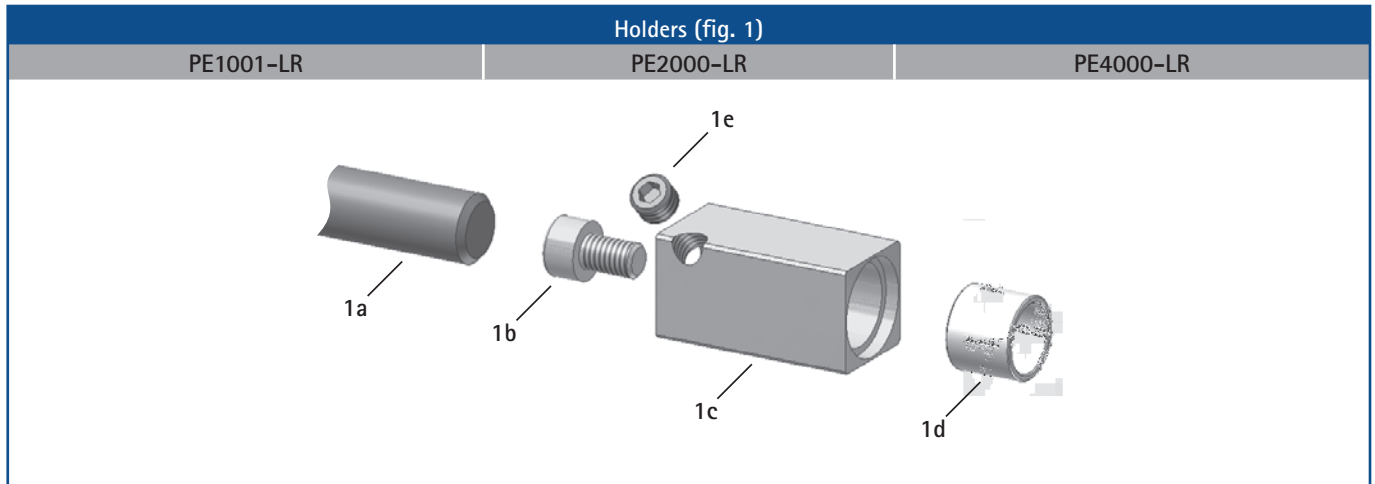


Holders and Joint Retainers						
System ankle joints	Tools	Article numbers for system width				
		10mm	12mm	14mm	16mm	20mm
	Holder (1)	PE1001-LR	PE1001-LR	PE4000-LR	PE4000-LR	PE4000-LR
	Joint retainer (2)	PE1010-01/LR	PE1011-01/LR	PE1012-LR	PE1013-LR	PE1025-LR
	Holder (1)	-	-	PE4000-LR	PE4000-LR	PE4000-LR
	Joint retainer (2)	-	-	PE1012-LR	PE1013-LR	PE1025-LR
	Holder (1)	PE1001-LR	PE1001-LR	PE4000-LR	PE4000-LR	PE4000-LR
	Joint retainer (2)	PE1010-01/LR	PE1011-01/LR	PE1012-LR	PE1013-LR	PE1025-LR
	Holder (1)	PE1001-LR	PE1001-LR	PE4000-LR	PE4000-LR	PE4000-LR
	Joint retainer (2)	PE1010-01/LR	PE1011-01/LR	PE1012-LR	PE1013-LR	PE1025-LR
	Holder (1)	-	-	PE4000-LR	PE4000-LR	PE4000-LR
	Joint retainer (2)	-	-	PE1012-LR	PE1013-LR	PE1025-LR
	Holder (1)	PE1001-LR	PE1001-LR	PE4000-LR	PE4000-LR	PE4000-LR
	Joint retainer (2)	PE1010-01/LR	PE1011-01/LR	PE1012-LR	PE1013-LR	PE1025-LR
	Holder (1)	-	-	PE4000-LR	PE4000-LR	PE4000-LR
	Joint retainer (2)	-	-	PE1012-LR	PE1013-LR	PE1025-LR
	Holder (1)	PE1001-LR	PE1001-LR	PE4000-LR	PE4000-LR	PE4000-LR
	Joint retainer (2)	PE1010-01/LR	PE1011-01/LR	PE1012-LR	PE1013-LR	PE1025-LR
	Holder (1)	-	-	PE4000-LR	PE4000-LR	PE4000-LR
	Joint retainer (2)	-	-	PE1012-LR	PE1025-LR	PE1025-LR

Holders and Joint Retainers

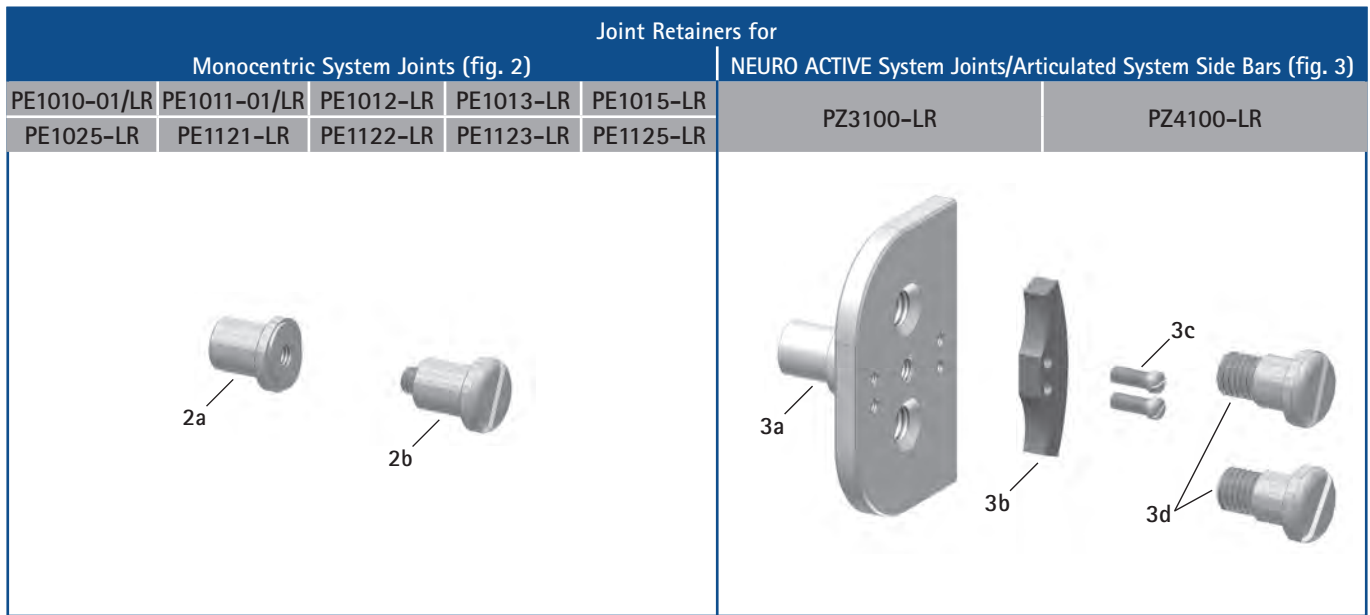


Holders and Joint Retainers						
System knee joints and articulated system side bars	Tools	Article numbers for system width				
		10mm	12mm	14mm	16mm	20mm
	Holder (1)	-	PE2000-LR	PE2000-LR	PE2000-LR	PE2000-LR
	Joint retainer (3)	-	PE1012-LR	PE1013-LR	PE1025-LR	PE1025-LR
	Holder (1)	-	PE2000-LR	PE2000-LR	PE2000-LR	PE2000-LR
	Joint retainer (3)	-	PE1012-LR	PE1013-LR	PE1025-LR	PE1025-LR
	Holder (1)	-	PE2000-LR	PE2000-LR	PE2000-LR	PE2000-LR
	Joint retainer (3)	-	PE1012-LR	PE1013-LR	PE1025-LR	PE1025-LR
	Holder (1)	-	PE2000-LR	PE2000-LR	PE2000-LR	PE2000-LR
	Joint retainer (3)	-	PE1012-LR	PE1013-LR	PE1025-LR	PE1025-LR
	Holder (1)	PE2000-LR	-	PE2000-LR	PE2000-LR	PE2000-LR
	Joint retainer (2)	PZ4100-LR	-	PZ4100-LR	PZ3100-LR	PZ3100-LR
	Holder (1)	-	-	-	PE2000-LR	PE2000-LR
	Joint retainer (3)	-	-	-	PE1015-LR	PE1025-LR
	Holder (1)	-	-	-	PE2000-LR	PE2000-LR
	Joint retainer (3)	-	-	-	PE1015-LR	PE1025-LR
	Holder (1)	-	-	PE2000-LR	PE2000-LR	PE2000-LR
	Joint retainer (3)	-	-	PE1012-LR	PE1013-LR	PE1015
	Holder (1)	-	PE2000-LR	PE2000-LR	PE2000-LR	PE2000-LR
	Joint retainer (3)	-	PE1121-LR	PE1122-LR	PE1123-LR	PE1125-LR
	Holder (1)	-	PE2000-LR	PE2000-LR	PE2000-LR	PE2000-LR
	Joint retainer (3)	-	PE1121-LR	PE1122-LR	PE1123-LR	PE1125-LR



Holders (fig. 1)				
Tools	Fig.	Description	Article number	Qty.
PE1001-LR	1a	Round material, aluminium	RM0050-AL060	1
	1b	Slotted pan head screw	SC2104-L04	1
	1c	Square: 11 x 11 x 20mm	PE0102-02	1
	1d	Polyamide bushing	BP0908-L05	1
	1e	Hexagon socket set screw	SC9604-L04	1
PE2000-LR	1a	Round material, aluminium	RM0120-AL100	1
	1b	Hexagon socket head cap screw	SC4005-L08	1
	1c	Square: 15 x 15 x 40mm	PE0102-01	1
	1d	Polyamide bushing	BP1210-L10	1
	1e	Hexagon socket set screw	SC9606-L04ST	1
PE4000-LR	1a	Round material, aluminium	RM0080-AL100	1
	1b	Hexagon socket head cap screw	SC4005-L08	1
	1c	Square: 15 x 15 x 30mm	PE0102-00	1
	1d	Polyamide bushing	BP1210-L10	1
	1e	Hexagon socket set screw	SC9606-L04ST	1

Spare Parts Round Material			
Article number	Fig.	Description	Unit
RM0300-AL100	W/o fig.	Round material, aluminium, 300mm long	Piece



Joint Retainers for Monocentric System Joints (fig. 2)				
Tools	Fig.	Scope of delivery	Article number	Qty.
PE1010-01/LR	2a	Joint retainer	PE0102-07	1
	2b	Retaining screw	SC4034-L14/1	1
PE1011-01/LR	2a	Joint retainer	PE0102-08	1
	2b	Retaining screw	SC4034-L18/1	1
PE1012-LR	2a	Joint retainer	PE0102-10	1
	2b	Retaining screw	SC4035-L13	1
PE1013-LR	2a	Joint retainer	PE0102-11	1
	2b	Retaining screw	SC4035-L14	1
PE1015-LR	2a	Joint retainer	PE0102-11	1
	2b	Retaining screw	SC4035-L15	1
PE1025-LR	2a	Joint retainer	PE0102-11	1
	2b	Retaining screw	SC4035-L15/1	1
PE1121-LR	2a	Joint retainer	PE0102-09	1
	2b	Retaining screw	SC4034-L18/1	1
PE1122-LR	2a	Joint retainer	PE0102-10	1
	2b	Retaining screw	SC4035-L17	1
PE1123-LR	2a	Joint retainer	PE0102-11	1
	2b	Retaining screw	SC4035-L20	1
PE1125-LR	2a	Joint retainer	PE0102-11	1
	2b	Retaining screw	SC4035-L22/1	1

Joint Retainers for NEURO ACTIVE System Joints/Articulated System Side Bars (fig. 3)				
Tools	Fig.	Scope of delivery	Article number	Qty.
PZ3100-LR	3a	Joint retainer	PZ0310	1
	3b	5° flexion stop	BK9051-F005	1
	3c	Slotted pan head screw	SC2103-L08	2
	3d	Retaining screw	SC4048-L16	2
PZ4100-LR	3a	Joint retainer	PZ0410	1
	3b	5° flexion stop	KS9402-F005	1
	3c	Slotted pan head screw	SC2103-L05	2
	3d	Retaining screw	SC4038-L16	2



Fig. 1



Fig. 2



Fig. 3



Fig. 4

Bolts for Trial with Knurled Nut (fig. 1)

Article number	Description	Unit
PS2000-010	10 x bolts for trial with knurled nut (bolt M3 x 20)	Package

Application: Used to screw together the bands and system side bars for producing a trial fitting orthosis

Reamer (fig. 2)

Article number	Description	Unit
WZ1225-070	Reamer 7.0mm, H7	Piece
WZ1225-080	Reamer 8.0mm, H7	Piece
WZ1225-096	Reamer 9.6mm, H7	Piece
WZ1225-105	Reamer 10.5mm, H7	Piece
WZ1225-115	Reamer 11.5mm, H7	Piece
WZ1225-130	Reamer 13mm, H7	Piece
WZ1225-150	Reamer 15mm, H7	Piece

Application: For reaming the bearing nut bore before inserting a repair bushing

Assembly Aid for Cover Plate (fig. 3)

Article number	Description	Unit
WE9303-SF	Assembly aid for cover plate for NEURO SPRING and NEURO VARIO-SPRING system ankle joints, 16 and 20mm system width	Piece

Application: The assembly aid for cover plate is used for an easier tensioning of the functional unit's pressure spring when assembling the NEURO SPRING and NEURO VARIO-SPRING system ankle joints.

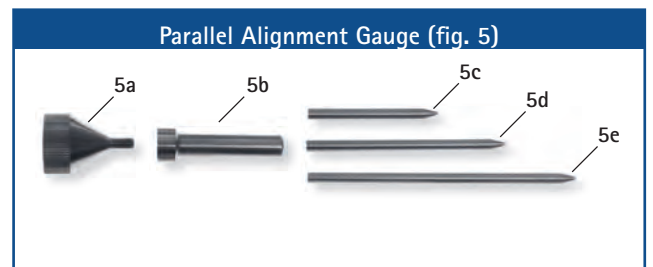
Stripping Tool (fig. 4)

Article number	Description	Unit
WZ3800-SK/0	Stripping tool, cable thickness 2.5-11mm, sheathing thickness 0-1mm	Piece

Application: For dismantling cable connections

Parallel Alignment Gauge

Fig.	Article number	Description
5	PS1000	Parallel alignment gauge
5a	PS0102	Centering screw
5b	PS0101	Guide bushing
5c	PS0100-L060	Aligning pin, length: 60mm
5d	PS0100-L090	Aligning pin, length: 90mm
5e	PS0100-L120	Aligning pin, length: 120mm



Application: For checking the parallel alignment of knee and ankle joints as well as stirrups on orthoses

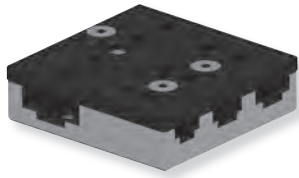


Fig. 6

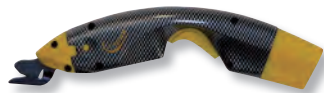


Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12

Drilling Jig (fig. 6)

Article number	Description	Unit
BS1000	Drilling jig for all system widths	Piece

Application: Used for precisely drilling holes in the system side bars of all system widths (system side bars see catalogue page F1)

Easy Cutter (fig. 7)

Article number	Description	Unit
WZ8083-01	Electric scissors to cut aramid and carbon fibres	Piece

Spare Parts Easy Cutter

Article number	Description	Unit
WZ8083-01/1	Cutting head for electrical scissors Easy Cutter	Piece

Application: Used to precisely cut curves and straight cuts into technical and synthetic as well as natural materials (materials see on catalogue page H1ff.)

Hexalobular Screwdriver (fig. 8-12)

Fig.	Article number	Description	Unit
8	WZ5114-T08	Hexalobular screwdriver, T-handle, T8	Piece
9	WZ5114-T10	Hexalobular screwdriver, T-handle, T10	Piece
10	WZ5114-T15	Hexalobular screwdriver, T-handle, T15	Piece
11	WZ5114-T20	Hexalobular screwdriver, T-handle, T20	Piece
12	WZ5114-T25	Hexalobular screwdriver, T-handle, T25	Piece

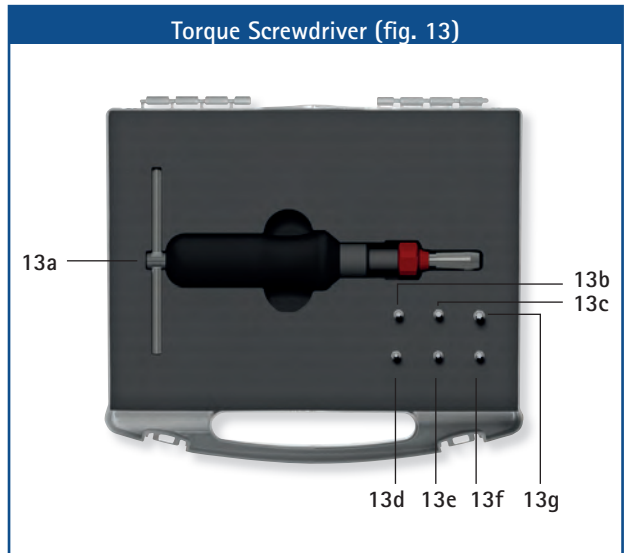
Application: For turning hexalobular socket screws in and out

Torque Screwdriver in a Case

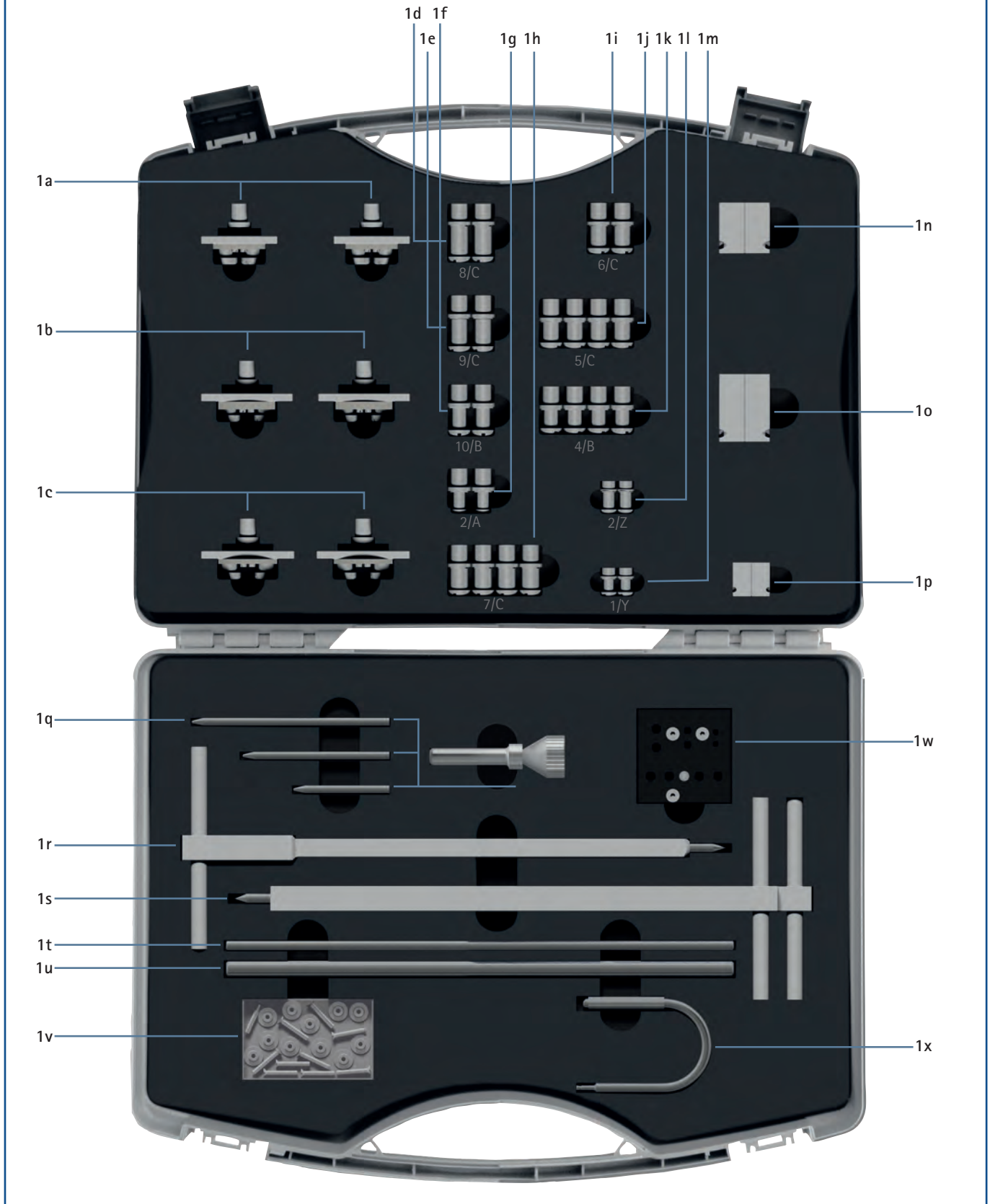
Fig.	Article number	Description
13	WZ5500	Torque screwdriver in a case with 6 bits
13a	-	Torque screwdriver, 1-6Nm
13b	WZ5600-I30	Bit, hexagon socket, 3mm, 25mm long, for M5 screws
13c	WZ5600-I40	Bit, hexagon socket, 4mm, 25mm long, for M6 screws
13d	WZ5604-T10	Bit, hexalobular socket, TX10, 25mm long, for M3 screws and for pressing screw NSWC/NCSW/NSW 10mm
13e	WZ5604-T15	Bit, hexalobular socket, TX15, 25mm long, for M4 screws
13f	WZ5604-T20	Bit, hexalobular socket, TX20, 25mm long, for M5/M6 screws and for pressing screw NSWC/NCSW/NSW 12mm
13g	WZ5604-T25	Bit, hexalobular socket, TX25, 25mm long, only for pressing screw NSWC/NCSW/NSW 14/16/20mm

Application: For tightening screws with a defined torque

Torque Screwdriver (fig. 13)



Tool Case (fig. 1)



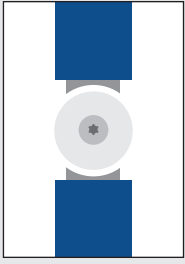
Tool Case				
Fig.	Art. no.	Description	Qty.	Catalogue page
1	WK1000	Tool case complete, filled with tools	1	G13
-	WK1000-0	Tool case with empty storage foam inlays, for filling by yourself	1	-
1a	PZ4100-LR	Joint retainers for 10 and 14mm NEURO ACTIVE system joints/articulated system side bars as well as articulated side bars with gear segments*, 16mm centre distance	2	G10 -
1b	PZ3100-LR	Joint retainers for 16 and 20mm NEURO ACTIVE system joints/articulated system side bars	2	G10
1c	PZ2100-LR	Joint retainers for articulated side bars with gear segments, 22mm centre distance	2	-
1d	PE1125-LR	Joint retainers for 20mm NEURO FLEX MAX and NEURO LOCK MAX (laser marking: 8/C)	2	G10
1e	PE1123-LR	Joint retainers for 16mm NEURO FLEX MAX and NEURO LOCK MAX (laser marking: 9/C)	2	
1f	PE1122-LR	Joint retainers for 14mm NEURO FLEX MAX and NEURO LOCK MAX (laser marking: 10/B)	2	
1g	PE1121-LR	Joint retainers for 12mm NEURO FLEX MAX and NEURO LOCK MAX (laser marking: 2/A)	2	
1h	PE1025-LR	Joint retainers for all 20mm system ankle joints and 16mm NEURO SWING H ₂ O, 20mm NEURO MATIC and NEURO TRONIC as well as 16 and 20mm NEURO CLASSIC zero, NEURO VARIO zero, NEURO CLASSIC knee and NEURO VARIO knee (laser marking: 7/C)	4	
1i	PE1015-LR	Joint retainers for 16mm NEURO MATIC and NEURO TRONIC as well as 20mm NEURO LOCK (laser marking: 6/C)	2	
1j	PE1013-LR	Joint retainers for all 16mm system ankle joints, excluding 16mm NSW H ₂ O, as well as 14mm NEURO CLASSIC zero, NEURO VARIO zero, NEURO CLASSIC knee and NEURO VARIO knee and 16mm NEURO LOCK (laser marking: 5/C)	4	
1k	PE1012-LR	Joint retainers for all 14mm system ankle joints as well as 12mm NEURO CLASSIC zero, NEURO VARIO zero, NEURO CLASSIC knee and NEURO VARIO knee and 14mm NEURO LOCK (laser marking: 4/B)	4	
1l	PE1011-01/LR	Joint retainers for all 12mm system ankle joints (laser marking: 2/Z)	2	
1m	PE1010-01/LR	Joint retainers for all 10mm system ankle joints (laser marking: 1/Y)	2	
1n	PE4000-LR	Holder, model technique, square: 15 x 15 x 30mm for all 14, 16 and 20mm system ankle joints	2	G9
1o	PE2000-LR	Holder, model technique, square: 15 x 15 x 40mm for all system knee joints	2	
1p	PE1001-LR	Holder, model technique, square: 11 x 11 x 20mm for all 10 and 12mm system ankle joints	2	G11
1q	PS1000	Parallel alignment gauge	1	
1r	JA1001	Alignment aid 11 x 11 x 300mm for all 10 and 12mm system ankle joints	1	G4
1s	JA1000	Alignment aid 15 x 15 x 300mm for all 14, 16 and 20mm system ankle/knee joints as well as 12mm system knee joints	2	
1t	RM0300-AL060	Round material, aluminium, 6 x 300mm	1	G9
1u	RM0300-AL100	Round material, aluminium, 10 x 300mm	1	
1v	PS2000-010	Bolts for trial with knurled nut	10	G11
1w	BS1000	Drilling jig	1	G12
1x	WE9303-SF	Assembly aid for cover plate for system ankle joints with foot lifter, 16 and 20mm system width	1	G11

* You can find articulated side bars with gear segments in our product catalogue [Articulated Side Bars for Knee Orthoses](#).

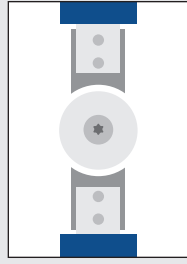
Application: The tools included in the tool case are i.e. used for the parallel alignment of the FIOR & GENTZ joints. Detailed information concerning each tool is given on the corresponding catalogue pages.

You can store already bought FIOR & GENTZ tools in the tool case with empty foam inlays.

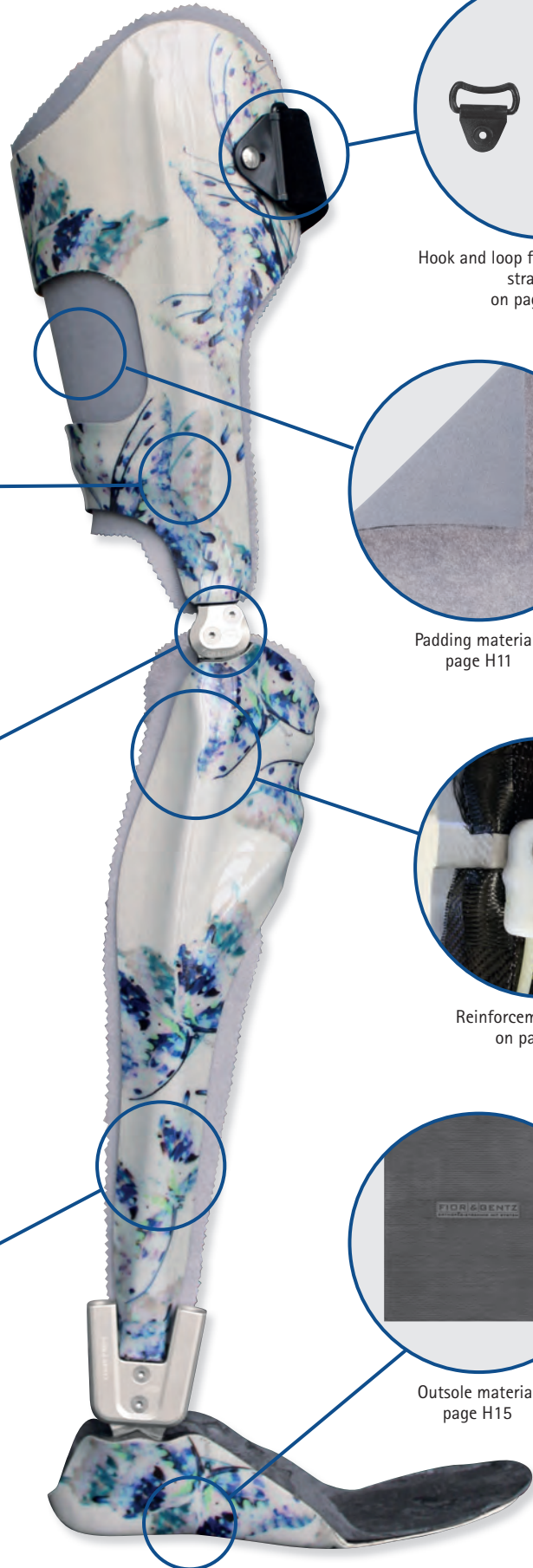
Materials for Lamination/Prepreg Technique



Joint Lamination/
Prepreg Technique



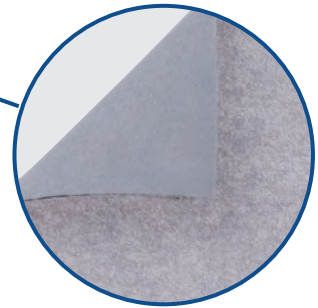
Anchor Lamination/
Prepreg Technique



Hook and loop fasteners, loops and strap pads on page H13ff.



Epoxy resin and hardener page H5



Padding materials page H11



Insulating wax for lamination page H4



Reinforcement materials on page H7ff.



Colour pastes page H5

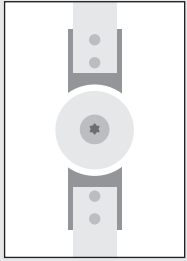


Outsole material page H15

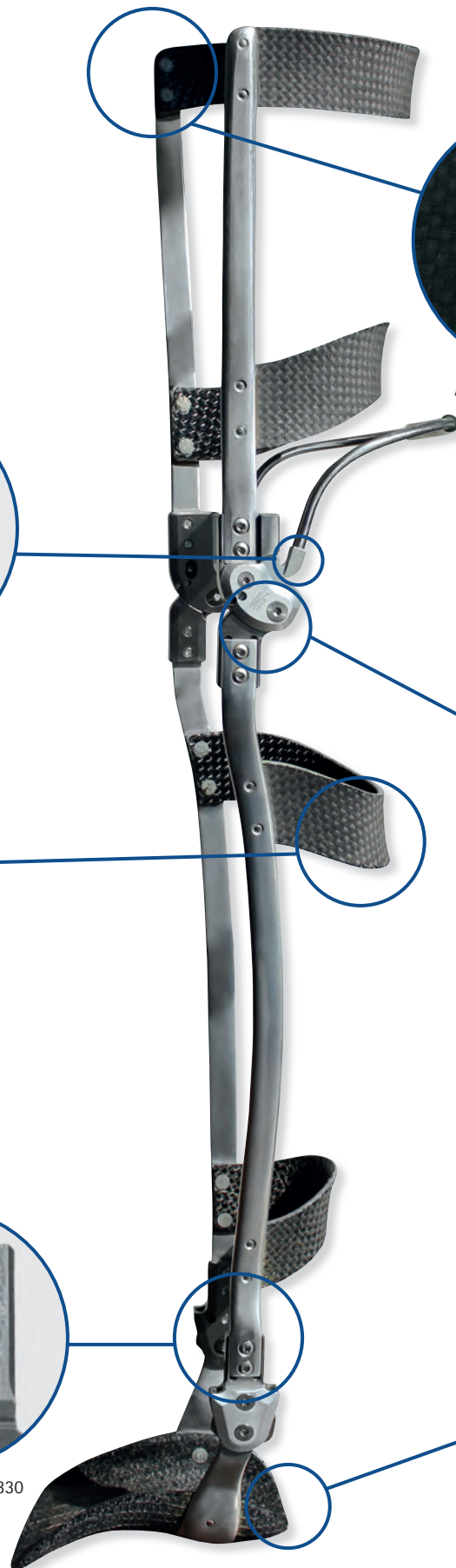
You can find further information at: www.fior-gentz.com

Materials for Strong Light Technique

Strong[®] Light



Strong Light Technique



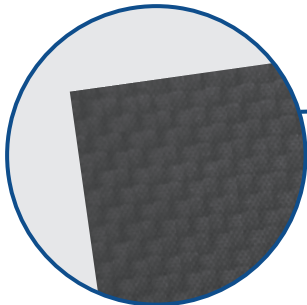
AGOMET adhesive F330
page H5



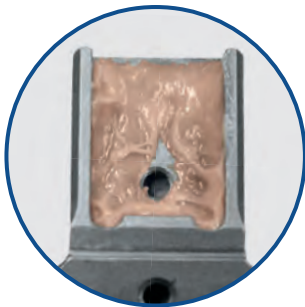
LOCTITE adhesive 2701
page H6



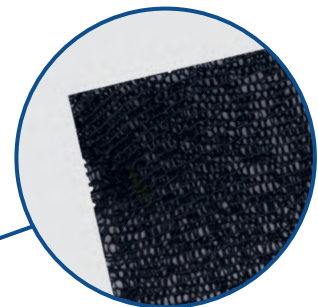
LOCTITE adhesive 243
page H6



CTC BIDIREKTIONAL
Carbon fibre sheets page H9
Carbon fibre pre-cut bands page H10



AGOMET adhesive F330
page H5



CTS KNITTED FABRIC
Carbon fibre sheets
page H9

You can find further information at: www.fior-gentz.com



Fig. 1



Fig. 2

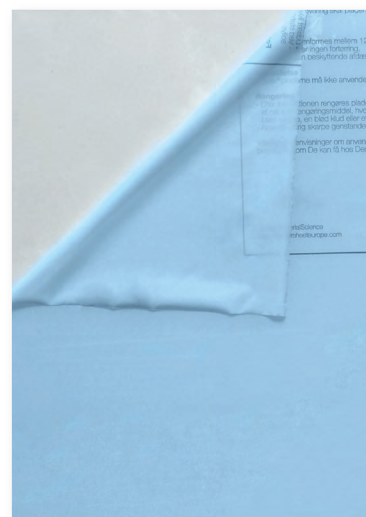


Fig. 3

Compression Film (fig. 1)

Article number	Description	Length [m]	Width [cm]	Film thickness [mm]	Unit
KL9010	Compression film, transparent	300	10	0.01	Reel

Application: For compressing as well as insulating extremities and as adhesive base for the glue dots of the e-Cast sensors when producing the negative cast

Cutting Aid (fig. 2)

Article number	Description	Length [cm]	Diameter [mm]	Unit
KL9050	Cutting aid made of silicone, transparent	120	12	Piece

Application: For an easier opening and removing of the negative cast from the patient's leg with scissors

Trial Shell Material (fig. 3)

Article number	Description	Length x width x thickness [mm]	Unit
PL1086-5/02	Trial shell material, Vivak	1250 x 600 x 5	Sheet

Application: For producing trial shells

Material properties: Thermoformable material which can be processed directly on moist plaster, is transparent and very stiff.

Indications: The recommended processing temperature is at 160°C. Depending on the quality of the oven or heating plate, bubbles can form from heating the material.

👍 No measurable shrinkage



Fig. 4



Fig. 5 Fig. 6



Fig. 7



Fig. 8

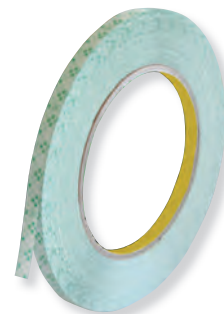


Fig. 9

CA Activator (fig. 4)					
Article number	Description			Content [ml]	Unit
KL2900	CA Activator, spray for adhesives			150	Tin

Application: For accelerating the hardening of cyanoacrylate adhesives

Fast-Acting Adhesive (fig. 5–6)				
Fig.	Article number	Description	Content [g]	Unit
5	KL2100*	Fast-acting adhesive based on ethyl-cyanoacrylate, low viscous	20	Bottle
6	KL2101**	Fast-acting adhesive based on ethyl-cyanoacrylate, medium viscous	20	Bottle

Application: For adhering materials with a small (* e.g. adhering the wire of NEURO MATIC with the pin of NEURO VARIO-SPRING) or a medium size joint gap (** e.g. adhering profile core and system anchor for the Lamination/Prepreg Technique)

Insulating Wax (fig. 7)					
Article number	Description			Content [g]	Unit
WA1000	Insulating wax for lamination			425	Tin

Application: For filling up empty spaces, seal gaps and openings before lamination. When heated it can easily be removed with compressed air.

Adhesive Spray (fig. 8)					
Article number	Description			Content [ml]	Unit
KL6030	3M Super 77 adhesive spray			500	Tin

Application: For fixing reinforcement layers

Adhesive Transfer Tape without Backing Material (fig. 9)				
Article number	Description	Length [m]	Width [mm]	Unit
KL4050-06	Adhesive transfer tape without backing material	55	6	Reel
KL4050-12	Adhesive transfer tape without backing material	55	12	Reel

Application: For fixing cutting edges and attaching reinforcement layers



Fig. 1



Fig. 2



Fig. 3



Fig. 4

Set of Epoxy Resin and Hardener (fig. 1)

Fig.	Article number	Description	Content	Unit
-	KL1201	Set of epoxy resin and hardener	1kg resin and 0.19kg hardener	Set
1	KL1202	Set of epoxy resin and hardener	5kg resin and 0.96kg hardener	Set

Application: For laminating orthoses

👍 Especially adjusted to our materials and tested

Material properties: After hardening, the material cannot be thermoformed.

Colour Pastes (fig. 2)

Article number	Description	Content [g]	Unit
KL1910	Colour paste for epoxy resin, blue	250	Tin
KL1911	Colour paste for epoxy resin, black	250	Tin
KL1912	Colour paste for epoxy resin, white	250	Tin
KL1913	Colour paste for epoxy resin, yellow	250	Tin
KL1914	Colour paste for epoxy resin, orange	250	Tin
KL1915	Colour paste for epoxy resin, red	250	Tin
KL1916	Colour paste for epoxy resin, green	250	Tin

Application: For colouring epoxy resins

Material properties: For an individual designing of laminated orthoses. The different colours can be mixed.

The colour proportion of the colour-epoxy resin mix should be from 2 to 5% and not higher than 5%.

AGOMET Adhesive F330 (fig. 3)

Article number	Description	Content [g]	Unit
KL1100	AGOMET adhesive F330	800	Tin

Set AGOMET F330

Fig.	Article number	Description	Content [g]	Unit
-	KL1101	Set of adhesive and hardener powder, AGOMET F330	5	Tin

Application: For adhering of CTC and CTS materials with each other and with metals

Material properties: After hardening, the material cannot be thermoformed.

AGOMET Hardener F330 (fig. 4)

Article number	Description	Content [g]	Unit
KL1100-H	Hardener, AGOMET F330	30	Tube



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9

Adhesive Set (fig. 5)			
Article number	Description	Content	Unit
KL1110	Set 2-component adhesive and primer	2.5mg adhesive component A and B each, 2.5ml primer, cotton swab for applying the primer	Tube

Application: For adhering the system anchors for the NEURO SWING H₂O system ankle joint into the joint case of a NEURO SWING H₂O system ankle joint

Orthosis Joint Grease (fig. 6)			
Article number	Description	Content [g]	Unit
FT1000	Orthosis joint grease	3	Tube

Application: For greasing the system components

LOCTITE Adhesive 243 (fig. 7)			
Article number	Description	Content [ml]	Unit
KL2000	Adhesive, LOCTITE 243	5	Tube

Application: For realising medium strength screw retentions

LOCTITE Adhesive 2701 (fig. 8)			
Article number	Description	Content [ml]	Unit
KL2010	Adhesive, LOCTITE 2701	10	Tube

Application: For sticking the lever extension into the locking pawl, required for NEURO LOCK, NEURO LOCK MAX and NEURO FLEX MAX system knee joints (see catalogue pages E10.5, E20.5 and E30.5)

LOCTITE Adhesive 638 (fig. 9)			
Article number	Description	Content [ml]	Unit
KL2020	Adhesive, LOCTITE 638	10	Tube

Application: For adhering materials with a joint gap of up to 0.25mm as well as for adhering the NEURO SWING cover plate with the joint's upper part (see catalogue page B40.5). Prevents self-loosening due to shocks and vibrations.



Fig. 1



Fig. 2



Fig. 3



Fig. 4

Profile Cores (fig. 1)

Article number	Description	Length x width x thickness [cm]	Unit
VP2012-L200	PVC profile core for 10mm system joints	200 x 0.9 x 0.3	Piece
VP2021-L200	PVC profile core for 12mm system joints	200 x 1.1 x 0.3	Piece
VP2022-L200	PVC profile core for 14mm system joints	200 x 1.3 x 0.3	Piece
VP2032-L200	PVC profile core for 16mm system joints	200 x 1.5 x 0.3	Piece
VP2033-L200	PVC profile core for 20mm system joints	200 x 1.9 x 0.4	Piece

Application: For producing reinforcement profiles in laminates

👍 Adjusted to our system widths

PA Reinforcement Stockings (fig. 2)

Article number	Description	Length [cm]	Unit
VP8030-L110	10 x PA reinforcement stockings with open toes, white	110	Package

Application: For finally fixing the reinforcement layers under the PVA film

Material properties: Nylon stockings made of infinite knitted fabric, in a given length, with good sliding characteristics for PVA films and high permeability for lamination resins; transparent after lamination.

PVA Film Tubes (fig. 3)

Article number	Description	Length x width [cm]	Circumference [cm]	Film thickness [mm]	Unit
KL9630	10 x PVA film tubes	100 x 15	30	0.1	Package
KL9635	10 x PVA film tubes	100 x 18	35	0.1	Package
KL9640	10 x PVA film tubes	100 x 20	40	0.1	Package
KL9735	10 x PVA film tubes	130 x 18	35	0.1	Package
KL9745	10 x PVA film tubes	130 x 23	45	0.1	Package
KL9755	10 x PVA film tubes	130 x 28	55	0.1	Package
KL9765	10 x PVA film tubes	130 x 33	65	0.1	Package

Application: For lamination and prepreg technique

👍 Extra strong and tear-resistant

Carbon-Fibre Braided Tubes (fig. 4)

Article number	Description	Length [m]	Width [mm]	Unit
VP1033-L1000	Carbon fibre braided tube for 10 and 12mm system joints	10	12	Reel
VP1034-L1000	Carbon fibre braided tube for 14, 16 and 20mm system joints	10	18	Reel

Application: For producing reinforcement profiles in laminates

👍 Adjusted to our system widths



Fig. 5

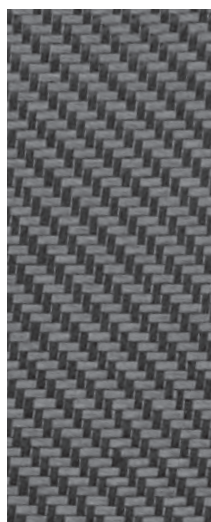


Fig. 6

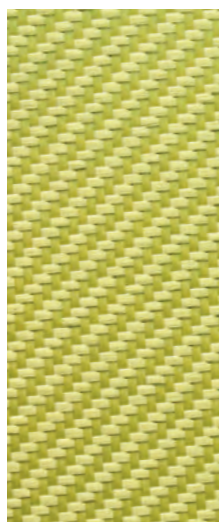


Fig. 7



Fig. 8



Fig. 9



Fig. 10

Aramid Fibre Roving (fig. 5)					
Article number	Description	Length [m]	Width [mm]	Grammage [g/m ²]	Unit
VP3208-L2000	Aramid fibre roving	20	0.14	805	Reel

Application: For sewing system anchors and reinforcement profiles

Carbon Fibre Fabric (fig. 6)					
Article number	Description	Structure	Length x width [m]	Grammage [g/m ²]	Unit
VP5202-10020	Carbon fibre fabric, bidirectional	Twill 2/2	2 x 1	204	Reel
VP5202-10050	Carbon fibre fabric, bidirectional	Twill 2/2	5 x 1	204	Reel

Application: For producing extensive reinforcements in laminates For using with our adhesive transfer tape without backing material

Aramid Fibre Fabric (fig. 7)					
Article number	Description	Structure	Length x width [m]	Grammage [g/m ²]	Unit
VP5221-10020	Aramid fibre fabric, bidirectional	Twill 2/2	2 x 1	170	Reel

Application: For producing flexible areas as part of a laminated orthosis, e.g. for a long partially flexible foot piece or a flexible proximal femoral reinforcement (bearing surface)

Carbon Fibre Band (fig. 8)					
Article number	Description	Length [m]	Width [mm]	Grammage [g/m ²]	Unit
VP4305-L1000	Carbon fibre band, unidirectional	10	50	250	Reel
VP4305-L2000	Carbon fibre band, unidirectional	20	50	250	Reel
VP4310-L1000	Carbon fibre band, unidirectional	10	100	250	Reel
VP4310-L2000	Carbon fibre band, unidirectional	20	100	250	Reel

Application: For producing partial reinforcements in laminates

Reinforcing Carbon Fibre Braids (fig. 9-10)				
Fig.	Article number	Description	Length x width x thickness [cm]	Unit
9	VP1226-L120	Reinforcing carbon fibre braid with honeycomb core	120 x 1.4 x 0.7	Piece
10	VP1237-L120	Reinforcing carbon fibre braid with honeycomb core	120 x 1.6 x 0.9	Piece

Application: For producing reinforcement profiles in laminates

Material Properties Reinforcing Carbon Fibre Braids	
Standard lay-up (VP1226-L120)	Reinforced lay-up (VP1237-L120)
1 x honeycomb core	1 x honeycomb core
1 x layer carbon-glass	2 x layers carbon-glass
1 x layer carbon-Kevlar	1 x layer carbon-Kevlar
2 x layers carbon	2 x layers carbon

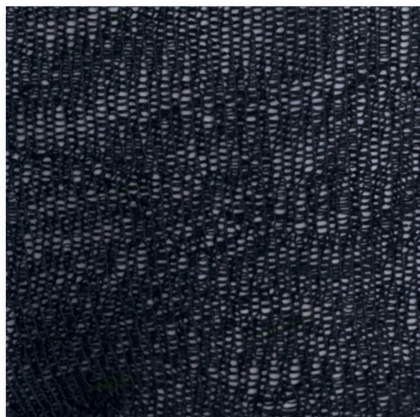


Fig. 1



Fig. 2

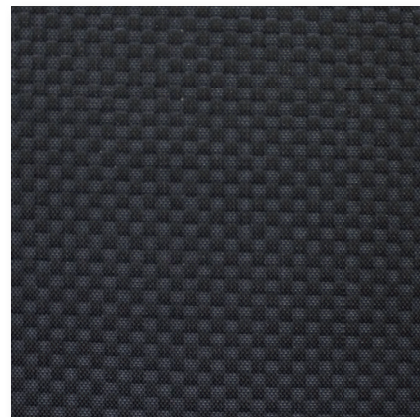


Fig. 3

CTS KNITTED FABRIC (fig. 1)

Article number	Description	Length x width [mm]	Thickness [mm]	Unit
PL1456-S	Carbon fibre sheet	500 x 500	1.9	Sheet
PL1456-M	Carbon fibre sheet	500 x 500	2.3	Sheet
PL1456-H	Carbon fibre sheet	500 x 500	3.2	Sheet
PL1456-XH	Carbon fibre sheet	500 x 500	4.0	Sheet

Application: For producing pieces which are primarily thermoformed three-dimensionally such as short foot pieces (low to middle load), reinforcements, short custom-made insoles with or without heel cap, shells for orthoses

Not recommended for: Long custom-made insoles or foot shells as well as highly loaded areas upon which forces act in one direction

Note: The recommended processing temperature is at approx. 160°C.

Material properties: CTS KNITTED FABRIC offers a high 3D formability as the carbon fibre layers are embedded into the matrix as knitted fabric. Since the carbon fibres of the knitted fabric can be stretched and compressed, the material can be precisely formed by using a hot-air gun. Due to the acrylic matrix, the edges can be excellently ground and polished. CTS KNITTED FABRIC can be adhered to metal, leather and several sorts of plastics.

Temperature Marker (fig. 2)

Article number	Description	Unit
ZM1001	Temperature marker 160°C	Piece
ZM1000	Temperature marker 175°C	Piece

Application: For marking the proper processing temperature of the CTS or CTC material

CTC BIDIREKTIONAL (fig. 3)

Article number	Description	Length x width [mm]	Thickness [mm]	Unit
PL1206-XS	Carbon fibre sheet	500 x 500	0.8	Sheet
PL1232-S	Carbon fibre sheet	500 x 500	1.0	Sheet
PL1206-M	Carbon fibre sheet	500 x 500	1.2	Sheet
PL1246-H	Carbon fibre sheet	500 x 500	2.3	Sheet
PL1246-XH	Carbon fibre sheet	500 x 500	3.0	Sheet
PL1246-XXH	Carbon fibre sheet	500 x 500	3.7	Sheet

Application: For producing pieces which are primarily thermoformed two-dimensionally such as bands for side bars/bands orthoses, reinforcement material, etc.

Not recommended for: Medium to strong 3D formings such as foot shells with heel cap

Note: The recommended processing temperature is at approx. 175°C.

Material properties: CTC BIDIREKTIONAL offers a good compromise between strength/stiffness and 2D thermoformability. The proportion of fibres is quite high with 55%. It provides a high bending stiffness in 0° and 90° fibre orientation as well as a high torsional stiffness in 45° fibre orientation. Odourless processing.

The fibre orientation of a CTC pre-cut influences its stiffness and deformability. The CTC sheet's fibre orientation can be determined by placing a paper pattern in the desired position on the sheet. The CTC pre-cut bands, in contrast, already have a reproduced fibre orientation of 45°.



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8

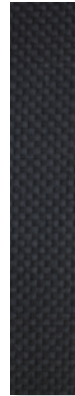


Fig. 9

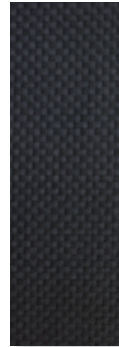


Fig. 10



Fig. 11

CTC BIDIREKTIONAL

Fig.	Article number	Description	Application	Length x width [mm]	Thickness [mm]	Unit
4	PL1230-S	Carbon fibre pre-cut bands	Lower leg band	150 x 80	1.0	Sheet
4	PL1200-M	Carbon fibre pre-cut bands	Lower leg band	150 x 80	1.2	Sheet
5	PL1231-S	Carbon fibre pre-cut bands	Lower/upper leg band	200 x 80	1.0	Sheet
5	PL1201-M	Carbon fibre pre-cut bands	Lower/upper leg band	200 x 80	1.2	Sheet
6	PL1202-M	Carbon fibre pre-cut bands	Upper leg band	250 x 80	1.2	Sheet
6	PL1240-H	Carbon fibre pre-cut bands	Upper leg band	250 x 80	2.3	Sheet
6	PL1240-XH	Carbon fibre pre-cut bands	Upper leg band	250 x 80	3.0	Sheet
7	PL1203-M	Carbon fibre pre-cut bands	Upper leg band/lower thigh band	300 x 80	1.2	Sheet
7	PL1241-H	Carbon fibre pre-cut bands	Upper leg band/lower thigh band	300 x 80	2.3	Sheet
7	PL1241-XH	Carbon fibre pre-cut bands	Upper leg band/lower thigh band	300 x 80	3.0	Sheet
8	PL1204-M	Carbon fibre pre-cut bands	Lower thigh band	350 x 80	1.2	Sheet
8	PL1242-H	Carbon fibre pre-cut bands	Lower thigh band	350 x 80	2.3	Sheet
8	PL1242-XH	Carbon fibre pre-cut bands	Lower thigh band	350 x 80	3.0	Sheet
8	PL1242-XXH	Carbon fibre pre-cut bands	Lower thigh band	350 x 80	3.7	Sheet
9	PL1205-M	Carbon fibre pre-cut bands	Lower thigh band	400 x 80	1.2	Sheet
9	PL1243-H	Carbon fibre pre-cut bands	Lower thigh band	400 x 80	2.3	Sheet
9	PL1243-XH	Carbon fibre pre-cut bands	Lower thigh band	400 x 80	3.0	Sheet
9	PL1243-XXH	Carbon fibre pre-cut bands	Lower thigh band	400 x 80	3.7	Sheet
10	PL1244-H	Carbon fibre pre-cut bands	Upper thigh band	350 x 130	2.3	Sheet
10	PL1244-XH	Carbon fibre pre-cut bands	Upper thigh band	350 x 130	3.0	Sheet
11	PL1245-H	Carbon fibre pre-cut bands	Upper thigh band	525 x 150	2.3	Sheet
11	PL1245-XH	Carbon fibre pre-cut bands	Upper thigh band	525 x 150	3.0	Sheet

Sets of CTC Pre-Cut Bands*

Article number	System width	Scope of delivery	Recommendation for producing a foot piece with CTS KNITTED FABRIC	Unit
PL1902	14mm	1 x PL1242-XH, 2 x PL1241-XH, 1 x PL1240-H	PL1456-M (details see catalogue page H9)	Set
PL1903	16mm	1 x PL1243-XH, 2 x PL1242-XH, 1 x PL1241-H	PL1456-M (details see catalogue page H9)	Set
PL1905	20mm	1 x PL1243-XXH, 2 x PL1242-XXH, 1 x PL1241-XH	PL1456-H (details see catalogue page H9)	Set

* Sets of CTC pre-cut bands for producing Strong Light orthoses basically consist of a lower leg band, upper leg band, lower thigh band and an upper thigh band.

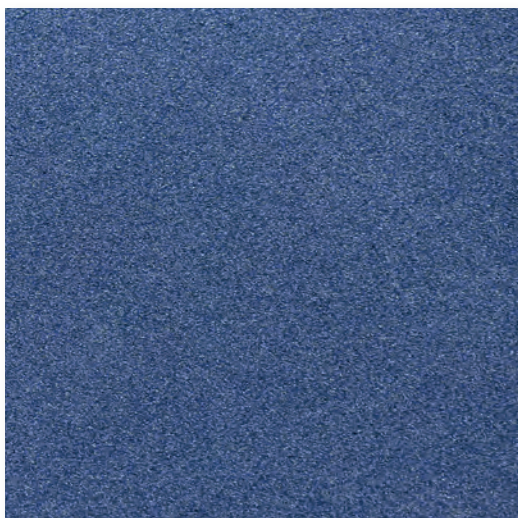


Fig. 1

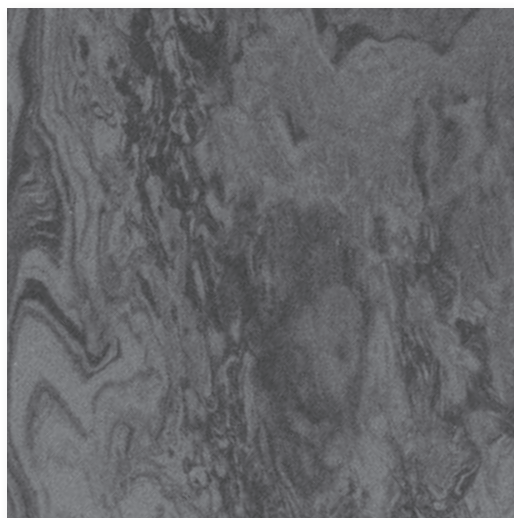


Fig. 2

Dummy for Padding Material (fig. 1)			
Article number	Description	Length x width x thickness [mm]	Unit
PL3988-04/2	Dummy for padding material for orthoses, PE foam, 60° shore, blue	1000 x 1000 x 4	Sheet

Application: Placeholder for the padding of the orthosis during production. Lamination dummies (e.g. for the production of NEURO MATIC/NEURO TRONIC orthoses) can be fixed on this material with fast-acting adhesive.

Material properties: Thermoformable material which is adjusted to the FIOR & GENTZ production technique

Note: The dummy for the padding of the orthosis is suitable only to a limited extent for the lamination technique with acrylic resin. The produced heat during lamination with acrylic resin has a negative effect on the dummy.

Do not use the dummy for the padding of the orthosis for the prepreg technique because of too high processing temperature.

The recommended processing temperature is at approx. 130°C.

Padding Material (fig. 2)			
Article number	Description	Length x width x thickness [mm]	Unit
PL3887-04/1	Padding material for orthoses, EVA, 30° shore, black	1050 x 900 x 4	Sheet

Application: For padding of orthoses

Material properties: Thermoformable padding material with closed cell structure which can be washed and disinfected

Note: The recommended processing temperature is at approx. 130°C.



Fig. 3

Fig. 4

Fig. 5

Fig. 6



Fig. 7

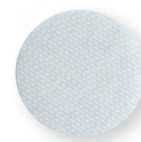






Fig. 8

xDRY Towelling Padding Material (fig. 3-6)				
Fig.	Article number	Description	Length x width x thickness [mm]	Unit
3	PL3697-02/4	xDRY towelling padding material, grey	1000 x 1170 x 4	Sheet
4	PL3697-02/2	xDRY towelling padding material, blue	1000 x 1170 x 4	Sheet
5	PL3697-02/3	xDRY towelling padding material, beige	1000 x 1170 x 4	Sheet
6	PL3697-02/1	xDRY towelling padding material, black	1000 x 1170 x 4	Sheet

Application: For padding of orthoses

Material properties:

-  Exchangeable and soft padding material. The padding material has got a skin-friendly towelling coating on one side and a velour coating on the reverse.
-  The padding material is antimicrobial and can be washed at 60°C.
-  Use the hook dots or the hook tape (see below) for a safe fixation of the padding material to an orthosis.
-  When you cut the material with pinking shears there are no frayed edges, that means you get a functional edge which does not need to be linked.

Hook Tape (fig. 7)			
Article number	Description	Length x width x thickness [mm]	Unit
KV4050-L1000	Hook tape, self-adhesive, transparent	1000 x 50 x 1	Piece

Application: For fixing the towelling padding material into the orthosis

Material properties: 1mm thin micro hook tape

Hook Dots (fig. 8)		
Article number	Description	Unit
KV0020-22/06	6 x hook dots, self-adhesive, transparent	Set
KV0020-22/40	40 x hook dots, self-adhesive, transparent	Set

Application: For fixing the towelling padding material into the orthosis

Material properties: 1mm thin micro hook dots with 22mm in diameter

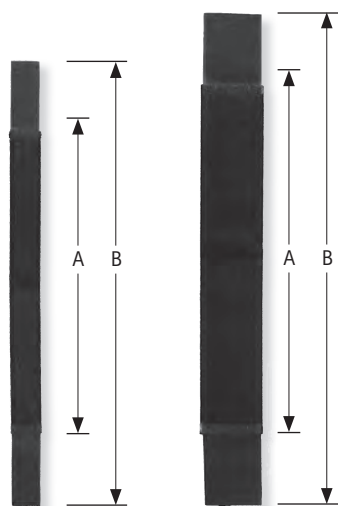


Fig. 1

Fig. 2

A = length of soft coating side
B = total length



Fig. 3



Fig. 4

A = length of soft coating side
B = total length

Hook and Loop Fasteners (fig. 1-2)

Fig.	Article number	Description	Length of soft coating side A [mm]	Total length B [mm]	Unit
1	KV1003-L380	Hook and loop fastener, 25mm wide, black	240	380	Piece
1	KV1003-L440	Hook and loop fastener, 25mm wide, black	280	440	Piece
2	KV1008-L420	Hook and loop fastener, 50mm wide, black	260	420	Piece
2	KV1008-L550	Hook and loop fastener, 50mm wide, black	380	550	Piece
2	KV1008-L650	Hook and loop fastener, 50mm wide, black	490	650	Piece

Application: For fixing orthoses on the leg. The ca. 25mm wide hook and loop fastener is used as distal and proximal calf strap and as distal thigh strap. The ca. 50mm wide hook and loop fastener is used as proximal thigh strap. You can find appropriate loops on catalogue page H14.

Hook and Loop Fasteners with Loop (fig. 3-4)

Fig.	Article number	Description	Length of soft coating side A [mm]	Total length B [mm]	Circumference* [cm]	Unit
3	KV1004-L450	Hook and loop fastener with loop, 25mm wide, black	370	450	33-36	Piece
3	KV1004-L500	Hook and loop fastener with loop, 25mm wide, black	420	500	37-40	Piece
3	KV1004-L550	Hook and loop fastener with loop, 25mm wide, black	470	550	41-44	Piece
4	KV2004-L450	Hook and loop fastener with loop, strap pad and holder, 25mm wide, black	370	450	33-36	Piece
4	KV2004-L500	Hook and loop fastener with loop, strap pad and holder, 25mm wide, black	420	500	37-40	Piece
4	KV2004-L550	Hook and loop fastener with loop, strap pad and holder, 25mm wide, black	470	550	41-44	Piece

* measured at the highest point of the calf

Application: For fixing orthoses on the leg. The hook and loop fastener with loop is used, among other things, as a calf strap.



Fig. 5



Fig. 6



Fig. 7



Fig. 8

Loops (fig. 5–6)			
Fig.	Article number	Description	Unit
5	US1000	4 x loops for 25mm hook and loop fasteners, 25mm wide, black	Package
5	US1001	20 x loops for 25mm hook and loop fasteners, 25mm wide, black	Package
5	US1002	50 x loops for 25mm hook and loop fasteners, 25mm wide, black	Package
6	US1100	4 x loops for 50mm hook and loop fasteners, 50mm wide, black	Package
6	US1101	20 x loops for 50mm hook and loop fasteners, 50mm wide, black	Package
6	US1102	50 x loops for 50mm hook and loop fasteners, 50mm wide, black	Package

Application: For fixing hook and loop fasteners on orthoses and prostheses

Strap Pads (fig. 7)				
Article number	Description	Length [mm]	Article number of the appropriate strap pad holder	Unit
GP1000-L090	Strap pad made of padding material, 50mm wide, black	90	GP1201-L070	Piece
GP1000-L130	Strap pad made of padding material, 50mm wide, black	130	GP1201-L100	Piece
GP1000-L170	Strap pad made of padding material, 50mm wide, black	170	GP1201-L130	Piece
GP1000-L205	Strap pad made of padding material, 50mm wide, black	205	-	Piece
GP1000-L240	Strap pad made of padding material, 50mm wide, black	240	-	Piece
GP1000-L275	Strap pad made of padding material, 50mm wide, black	275	-	Piece

Application: For cushioning the hook and loop fastener that touches the skin

Material properties: Exchangeable, elastic and breathable padding material with a skin-friendly, non-slip coating on the one side and a soft coating on the reverse. Hook dots or hook tape can be fastened to the soft coating side of the material.

Strap Pad Holders (fig. 8)				
Article number	Description	Length [mm]	Article number of the appropriate strap pad	Unit
GP1201-L070	Strap pad holder with 2 hook dots, 50mm wide, black	70	GP1000-L090	Piece
GP1201-L100	Strap pad holder with 2 hook dots, 50mm wide, black	100	GP1000-L130	Piece
GP1201-L130	Strap pad holder with 2 hook dots, 50mm wide, black	130	GP1000-L170	Piece

Application: The strap pad and the hook and loop fastener are attached to the holder.



Fig. 1



Fig. 2



Fig. 3

Outsole Material (fig. 1-3)

Fig.	Article number	Description	Length x width x thickness [mm]	Unit
1	F00092-S	Outsole material, soft rubber, black	220 x 110 x 1.5	Sheet
2	F00092-M	Outsole material, soft rubber, black	295 x 145 x 1.5	Sheet
3	F00092-L	Outsole material, soft rubber, black	357 x 158 x 1.5	Sheet

Application: For covering the underside of a foot piece. The outsole material is slip-resistant.



Fig. 4



Fig. 5



Fig. 6






Fig. 7

Cloth Bags for Orthoses (fig. 4-7)

Fig.	Article number	Description	Length x width [cm]	Unit
4	OB1000-S	Cloth bag made of cotton for orthoses, blue, size S	30 x 42	Piece
5	OB1000-M	Cloth bag made of cotton for orthoses, blue, size M	30 x 67	Piece
6	OB1000-L	Cloth bag made of cotton for orthoses, blue, size L	30 x 90	Piece
7	OB1000-XL	Cloth bag made of cotton for orthoses, blue, size XL	35 x 110	Piece

Application: For storing and transporting orthoses

👍 Cleaning tips

-  Washing: separately and inside out, up to max. 40°C
-  Drying: Do not tumble dry. Before hanging out, pull into shape and allow to air-dry.
-  Ironing: at 180-200°C with steam or with a damp cloth

In case of returns send us the following:

1. Goods in original packaging and bar code label
2. Delivery note (copy)
3. Completed return form
4. Control note
5. Completed orthotic treatment sheet (only necessary if article was mounted into the orthosis and broke during usage)

For organisational reasons, freight collect returns will not be accepted.

Return Form (PR9045-DE/GB)

Return Form

Sender:
 Customer no.: _____
 Name: _____
 Address: _____

Address:
 FIOR & GENTZ GmbH
 Dorste-von-Stern-Str. 5
 D-21337 Lüneburg

Information on Return
 Contact person: _____ Phone number: _____
 Delivery note no. (if present): _____ Commission (if present): _____

Request for: replacement exchange credit

Reason for Return

Wrong product	Wrong quantity	Other
<input type="checkbox"/> no delivery note	<input type="checkbox"/> no delivery note	<input type="checkbox"/> product not ordered
<input type="checkbox"/> in shipping package	<input type="checkbox"/> in shipping package	<input type="checkbox"/> product incorrectly
<input type="checkbox"/> in packaging unit	<input type="checkbox"/> in packaging unit	<input type="checkbox"/> product damaged
		<input type="checkbox"/> product is defective/ poor quality

Article number	Quantity	Reason for return (if applicable)	Replacement quantity (if applicable)	Other article number/description of article (when exchanging)

* Detailed description of the defect/problem:

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 Orthopädie-Technik mit System

Control Note

Kontrollzettel/Control Note

Sehr geehrter Kunde, unsere Produkte unterliegen einer strengen Qualitätskontrolle. Sollten Sie dennoch eine Beanstandung haben, senden Sie uns bitte die Ware mit dem im Paket beiliegenden Rücksendeformular und diesem Kontrollzettel zurück.

Dear customer, Our products are subject to strict quality controls. Nevertheless, if you still have any complaint, please send us back the goods along with the return form which is included in the package and this control note.

Montiert/Konfektioniert/Assembled

Prüfnummer/Control number	Kürzel/Initials
Geprüft/Controlled	
Prüfnummer/Control number	Kürzel/Initials

PROBEN GEPRÜFTE QUALITÄT

FB0004-07/2016

FIOR & GENTZ
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The return form and the control note are enclosed in the goods. Please send us the goods including the completed return form stating the reason for claim and the control note to improve our quality. You can also download the return form at www.fior-gentz.com.

Orthotic Treatment Sheet for Paralysis (PR9050-GB)

Orthotic Treatment Sheet for Cerebral Palsy (PR9051-GB)

Orthotic Treatment Sheet for Apoplexy (PR9053-GB)

Orthotic Treatment Sheet 03/2017
 AF04/MARFO
 www.orthosis-configurator.com

Technician: _____ Company: _____

Customer number: _____ Date: _____

PATIENT DATA

Patient Name: _____ Year of Birth: _____ Body Weight: _____ kg Leg: left leg right leg

Sex: m f Body Height: _____ cm

Ap Measurement (for the Mechanical Knee Pivot Point of a KAFO or KO)

Indication

Shoe Measurements

Shoe size (conventional European system) _____ mm
 Sole thickness (B) _____ mm
 Heel-to-toe drop (A - B) _____ mm
 Height compensation (C) _____ mm

Views Position: Maximum Valgus Position Hyperpronation Maximum Extension Hip

FIOR & GENTZ
 Orthopädie-Technik mit System

Orthotic Treatment Sheet for Cerebral Palsy Patients 03/2017
 AFO according to the Amsterdam Gait Classification
 www.orthosis-configurator.com

Technician: _____ Company: _____

Customer number: _____ Date: _____

PATIENT DATA

Patient Name: _____ Year of Birth: _____ Body Weight: _____ kg Leg: left leg right leg

Sex: m f Body Height: _____ cm

Shoe Measurements

Shoe size (conventional European system) _____ mm
 Sole thickness (B) _____ mm
 Heel-to-toe drop (A - B) _____ mm
 Height compensation (C) _____ mm

Activity Level

1. Indoor walker
2. Restricted outdoor walker
3. Unrestricted outdoor walker
4. Unrestricted outdoor walker with especially high demands

FIOR & GENTZ
 Orthopädie-Technik mit System

Orthotic Treatment Sheet for Apoplexy Patients 03/2017
 AF04/MARFO or AFO according to the N.A.P. Gait Classification
 www.orthosis-configurator.com

Technician: _____ Company: _____

Customer number: _____ Date: _____

PATIENT DATA

Patient Name: _____ Year of Birth: _____ Body Weight: _____ kg Leg: left leg right leg

Sex: m f Body Height: _____ cm

Ap Measurement (for the Mechanical Knee Pivot Point of a KAFO)

Shoe Measurements

Shoe size (conventional European system) _____ mm
 Sole thickness (B) _____ mm
 Heel-to-toe drop (A - B) _____ mm
 Height compensation (C) _____ mm

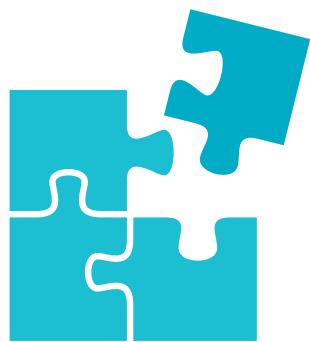
Activity Level

1. Indoor walker
2. Restricted outdoor walker
3. Unrestricted outdoor walker
4. Unrestricted outdoor walker with high demands

FIOR & GENTZ
 Orthopädie-Technik mit System

The current orthotic treatment sheets are inserted in this catalogue. You can also download them at www.fior-gentz.com or order them with the correspondent article number.

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Orthosis Configurator

KT2100-GB-05/2017

FIOR & GENTZ

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ORTHOPÄDIETECHNIK MIT SYSTEM