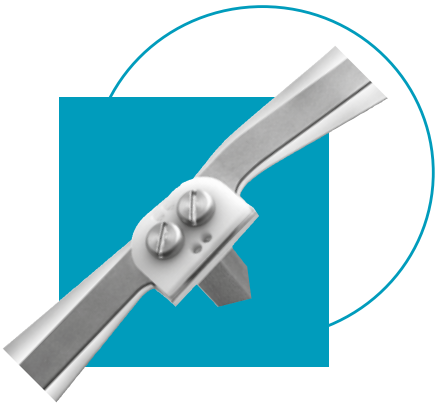
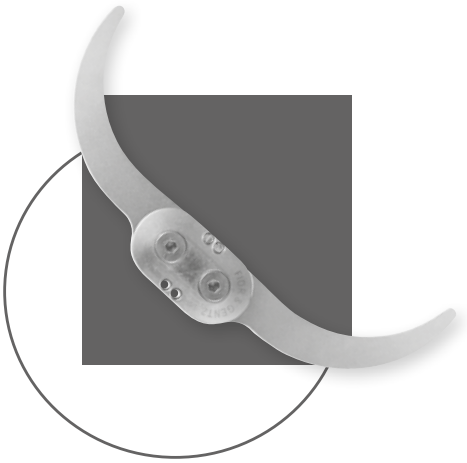
FIOR & GENTZ
ORTHOPÄDIETECHNIK MIT SYSTEM

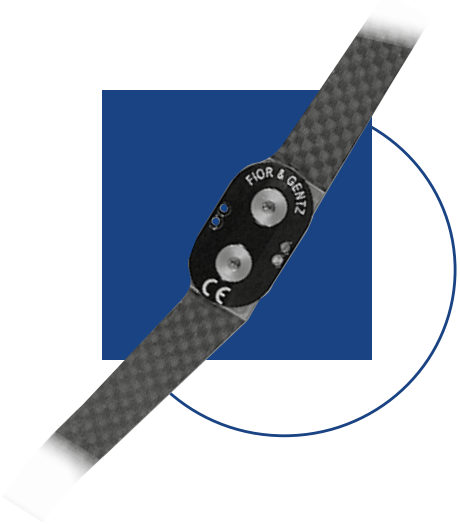
Product Catalogue

Articulated Side Bars for Knee Orthoses

August 2022







Dear Customer,

This catalogue presents our product range for the producing custom-made of knee orthoses. Besides special materials, you can also find tools developed by us for making a negative cast that ensure a more precise result. If you visit our website www.fior-gentz.com, you can find further information such as processing instructions, production techniques and information materials.

Please note that articulated side bars for knee orthoses are not suited for producing orthoses for patients with paralyses. For that purpose, please consider our product catalogue „System Joints and Articulated System Side Bars".

Orthosis Configurator

In order to select the most suitable articulated side bars for knee orthoses, we recommend our Orthosis Configurator www.orthosis-configurator.com.

Our product range is constantly being optimised and reasonably expanded. It is always based on scientific knowledge as well as your and our many years of practical experience. The orthotic field is innovative and still evolving. Our goal is to provide you with an optimum support in both products and service to ensure your patients being treated in the best possible way; with high quality, functionality and according to cutting-edge standards.

We would like to thank you for your cooperation and are already excited about the shared journey still ahead!

Jörg Fior and Ralf Gentz

* The order of the articulated side bars for knee orthoses within the catalogue is based on the indication. For an overview see page A9.

IN-HOUSE CUSTOMER SERVICE

Our competent in-house team can be contacted for orders and the processing of your customer data. You will also receive the best possible consultation in case of technical questions.
It is available from Monday to Friday between 8 am and 5 pm.

+49 4131 24445-0

SALES STAFF

Our sales representatives will advise you on all questions regarding technical orthopaedics. They offer qualified, face-to-face technical support and service at your site by consultations, trainings and sales services.

You will find the sales representative responsible for your area on our website. Contact them directly or call our head office to be connected.

WWW.FIOR-GENTZ.COM
└→ CONTACT & SUPPLIER SEARCH

TECHNICAL SUPPORT

For a technical consultation on the selection of system components and questions about our system joints, materials, tools or a configuration, we offer telephone support from Monday to Friday between 8 am and 5 pm from our headquarters in Lüneburg.

Contact us at +49 4131 24445-0. We will then put you through for technical advice. You can also contact us at support@fior-gentz.de.
With prior arrangement, a video call is also possible.

Your advantage: the professional personal consultation provides the basis for a detailed offer on the products and your configuration that you can also use for preparing a calculation for the health insurance.

360° ORTHOTICS

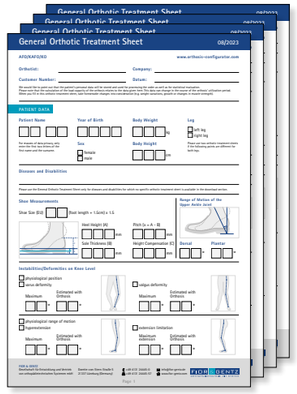
Our concept 360° orthotics describes the 6 steps for producing an orthosis:

physical examination, planning the orthosis, model technique,producing, handing over and maintenance the orthosis. In addition, we offer a wide range of materials to supportyou in implementing our orthosis concept. Visit our website, where we offer helpful online tutorials for each of the 6 steps.

WWW.FIOR-GENTZ.COM
↳ ONLINE TUTORIALS

1. PHYSICAL EXAMINATION

+ recording and documenting of all relevant patient data with orthotic treatment sheets
+ basis for the communication with our Technical Support
+ foundation for using the Orthosis Configurator



WWW.FIOR-GENTZ.COM
↳ DOWNLOADS/ORTHOTIC TREATMENT SHEETS

2. PLANNING THE ORTHOSIS

Orthosis Configurator

+ optimal, efficient combination of all system components through recommendations for the orthosis construction in the Orthosis Configurator
+ recommendations for materials, tools and more
+ calculation based on the configuration for the cost bearer
+ integration of the webshop for offer requests and orders

WWW.ORTHOSIS-CONFIGURATOR.COM

3. MODEL TECHNIQUE

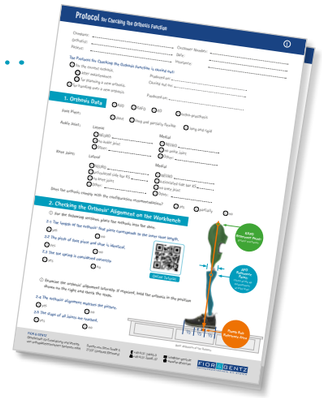
+ positioning of the mechanical pivot points at ankle and knee height
+ making the negative and the positive cast as basis for the construction of the orthosis
+ modifying the positive cast in preparation for an ideal fit and harmonious look of the orthosis

4. PRODUCING THE ORTHOSIS

+ producing a complete orthosis following the instructions in our online tutorials
+ short, specific tutorials for certain production techniques and specific products
+ complete production techniques or specific examples for individual steps and system joints
+ system components and materials according to the FIOR & GENTZ orthosis concept

5. HANDING OVER THE ORTHOSIS

+ checking the alignment, function and the comfortable fit of the orthosis
+ quality control on the workbench as well as statically and dynamically dynamically on the patient
+ documentation of the treatment results with the Protocol for Checking the Orthosis Function



WWW.FIOR-GENTZ.COM
↳ ONLINE TUTORIALS\HANDING OVER THE ORTHOSIS

6. MAINTENANCE OF THE ORTHOSIS

+ checking the system joint for wear and functionality
+ checking for play and free movement
+ cleaning and checking the individual system components

WEBSHOP

The webshop provides you with the entire FIOR & GENTZ product range in an user-friendly and interactive interface – from system joints to orthosis shoes. You will also always find the corresponding tools, materials and accessories associated with the selected product.

WEBSHOP.FIOR-GENTZ.DE/EN

ORTHOSIS CONFIGURATOR

With the Orthosis Configurator, you can create a reproducible orthosis and save the orthosis data – an important element for your documented treatment. Use the completed orthotic treatment sheet and visit the Orthosis Configurator via our website or at www.orthosis-configurator.com. You will then be guided through the following steps:

1 Patient Data

In the first step, you enter all patient data that are relevant for planning your orthosis.

2 System Components

In this central step, you receive recommendations regarding the orthosis' design and the system components. The recommendations are functionally adjusted to the patient data and will withstand all expected loads.

3 Individual Adjustments

In the third step, you can adapt the shape and material of your system joints.

4 Result

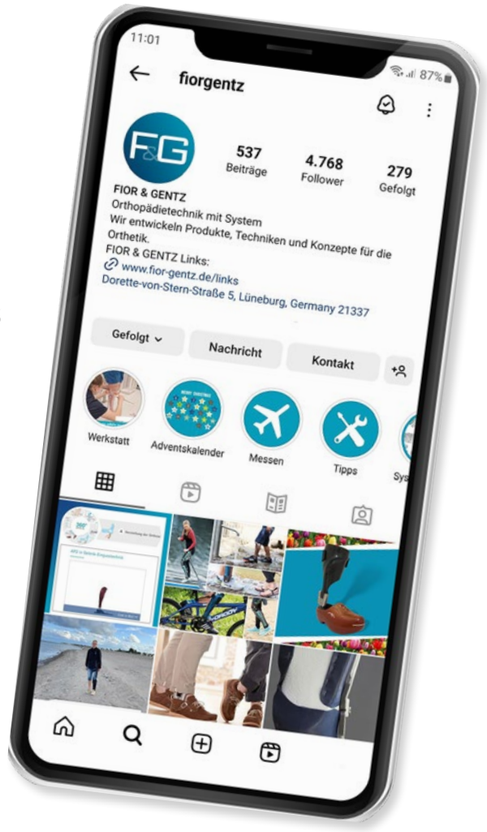
In the last step, you can save, send and print your configuration result for your treatment documentation. You can furthermore generate a calculation and order products directly from our webshop.

Orthosis Configurator

FIOR & GENTZ ON SOCIAL MEDIA

Whether you are a user or an orthotist: share your photos and stories with our products with #fiorgentz.

We welcome any feedback and would like to use this platform to enable a lively exchange of experiences and the sharing of insights.
Together, we will make orthoses visible and tell the stories behind the posts.

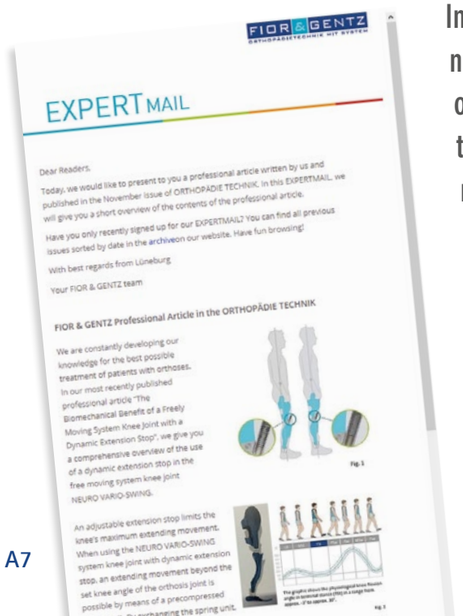


FOLLOW US ON INSTAGRAM AND USE OUR HASHTAG:

#FIORGENTZ

@FIORGENTZ

EXPERTMAIL



In our newsletter EXPERTMAIL, you will find all news at a glance. We discuss topics from areas like orthosis production, new functions of system joints and the Orthosis Configurator as well as latest information on new products, changes and additions.

Available to orthotists and all interested parties. Subscribe to the EXPERTMAIL on our website.

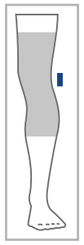
WWW.FIOR-GENTZ.COM
→ COMPANY\EXPERTMAIL

APPLICATION

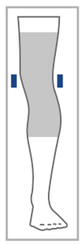
The articulated side bars for knee orthoses are exclusively for use for orthotic treatment of the knee joint and not suitable for the treatment with a knee-ankle-foot orthosis (KAFO) with foot piece.

Contraindications: please note that the articulated side bars for knee orthoses must not be used for the production of orthoses for patients with paralyses. Use the system joints from our product catalogue System Joints and Articulated System Side Bars. If the contraindications are not taken into account, the guarantee becomes void. Also note our General Terms and Conditions of Business Transactions, Sales, Delivery and Payment.

ORTHOSIS TYPE



Knee orthosis with an Unilateral System Knee Joint



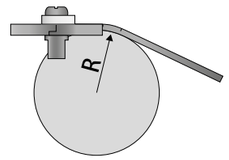
Knee orthosis with a Medial and Unilateral System Knee Joint

PRODUCTION TECHNIQUE

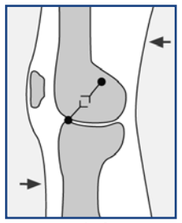
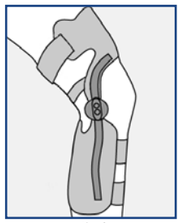
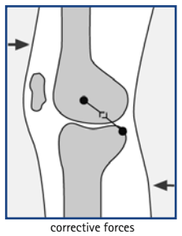
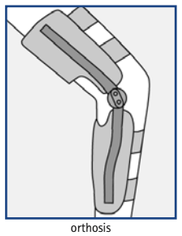
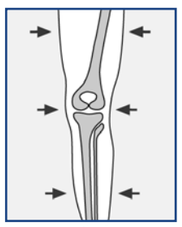
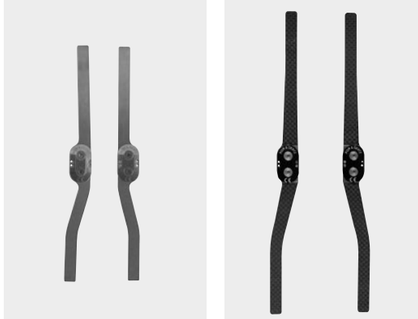
Hot-Air Gun
To form the carbon fibre side bar wings, they are screwed onto the corresponding joint retainer and heated to 175 °C using a hot-air gun (temperature marker see page E10.4).

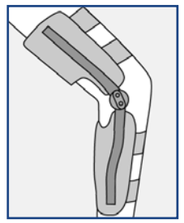
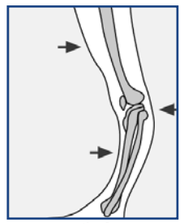
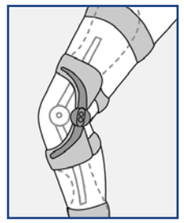
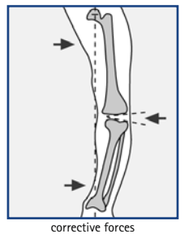
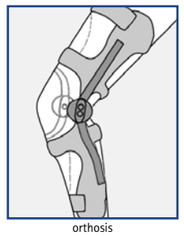
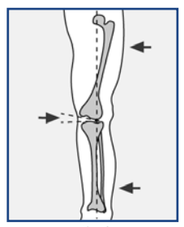
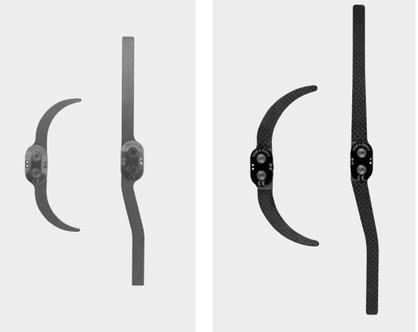
Bending Iron
To form the steel and titanium side bar wings, they are screwed onto the corresponding joint retainer and bent on the model using a bending iron.
To avoid fractures, note and respect that side bar wings must not be bent in too narrow radii. The bending radius depends on the thickness of the material (see table).

Material	Calculating the Min. Bending Radius [R]**
steel	R = 3 x material thickness
titanium G5	R = 10 x material thickness



* Calculation example: a side bar wing made of titanium is 2mm thick. Multiply the material thickness by 10, the bending radius is 20mm.
This value is the minimum radius.

	Side Bar Type A centre distance: 16mm side bar wing thickness: 2mm	Side Bar Type B and C centre distance: 22mm side bar wing B thickness: 2mm side bar wing C thickness: 3mm	Side Bar Type D centre distance: 22mm side bar wing thickness: 3.3mm	Side Bar Types E and F centre distance: 22mm side bar wing thickness: 2mm material E: concave material F: flat
ACL/bilateral	 orthosis  corrective forces			
	catalogue pages B10.1 to B10.4			
PCL	 orthosis  corrective forces			
	catalogue pages B20.1 to B20.4			
Gonarthrosis	 orthosis  corrective forces			
	catalogue pages B30.1 to B30.4			

	Side Bar Type A centre distance: 16mm side bar wing thickness: 2mm	Side Bar Type B and C centre distance: 22mm side bar wing B thickness: 2mm side bar wing C thickness: 3mm	Side Bar Type D centre distance: 22mm side bar wing thickness: 3.3mm	Side Bar Types E and F centre distance: 22mm side bar wing thickness: 2mm material E: concave material F: flat
Hyperextension	 orthosis  corrective forces			
	catalogue pages B40.1 to B40.2			
Varus Deformity	 orthosis  corrective forces			
	catalogue pages B50.1 to B50.4			
Valgus Deformity	 orthosis  corrective forces			
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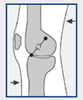
ACL

Indication


corrective forces


orthosis

- injury to the anterior cruciate ligament - ACL
- injury to the medial collateral ligament - MCL
- injury to the lateral collateral ligament - LCL
- uni- and multiaxial instabilities

Contraindication

Not suited for:

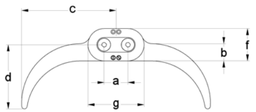
- patients with paralyses
- KAFOs with foot piece
- patients with genu recurvatum

Scope of Delivery

- 1 pair of articulated side bars with gear segments
- orthosis joint grease, 3g
- orthosis joint grease for joints with gear segments, 3g
- assembly/lamination dummy

Tools

You will find alignment and lamination tools on catalogue page D10.1ff.



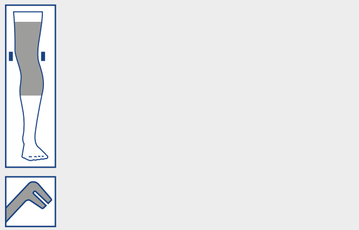
Articulated Side Bar Dimensions [mm]		Side Bar Type				
Dimension	Description	A	B	C	D	E
a	centre distance	16	22	22	22	22
b	side bar width	14	16	16	16	21
c	side bar length	80	80	80	100	140
d	side bar height	50	50	50	65	100
f	cover plate width	26	30	30	30	30
g	cover plate height	42	52	52	52	52
	joint head thickness	9	9	10	12	9
	side bar wing thickness	2	2	3	3.3	2

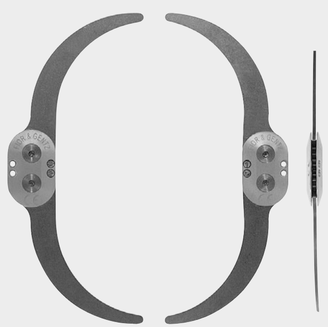
Articulated Side Bar Weights* [g]	Side Bar Type				
Material	A	B	C	D	E
steel	116	209	262	-	299
titanium	82	166	195	-	217
carbon fibre	-	-	-	122	-

* per sales unit

Joint Lamination/Prepreg Technique

16mm centre distance [a]
2mm side bar wing thickness





Side Bar Type A		
Article Number	Material	Unit
KS1001-ST	steel	pair
KS1001-TI	titanium	pair

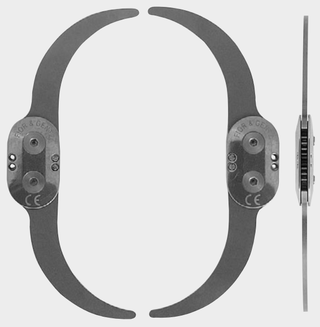
You will find stops on catalog page C10.1ff.

22mm centre distance [a]
2mm side bar wing thickness

Side Bar Type B		
Article Number	Material	Unit
KS1000-ST	steel	pair
KS1000-TI	titanium	pair

You will find stops on catalogue page C10.1ff.

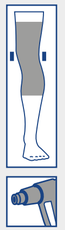
22mm centre distance [a]
3mm side bar wing thickness



Side Bar Type C		
Article number	Material	Unit
KS1500-ST	steel	pair
KS1500-TI	titanium	pair

You will find stops on catalogue page C10.1ff.

22mm centre distance [a]
3.3mm side bar wing thickness



Side Bar Type D		
Article Number	Material	Unit
KS1000-C	carbon fibre	pair

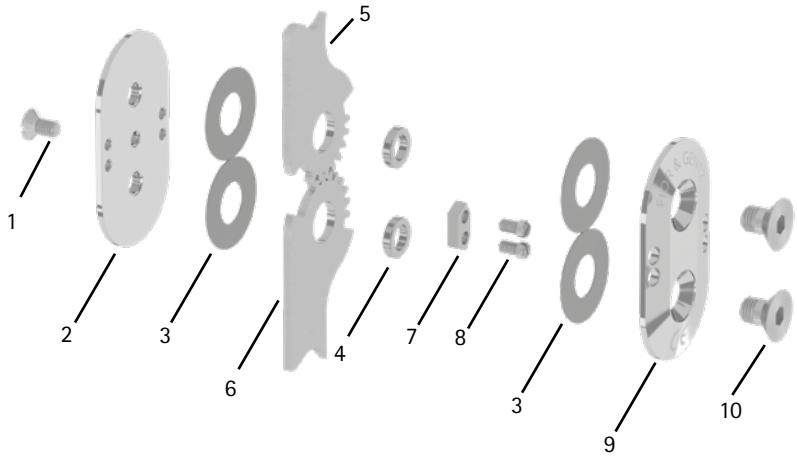
You will find stops on catalogue page C10.1ff.

Joint Lamination/Prepreg Technique | Side Bar Shell Technique

22mm centre distance [a]
2mm side bar wing thickness

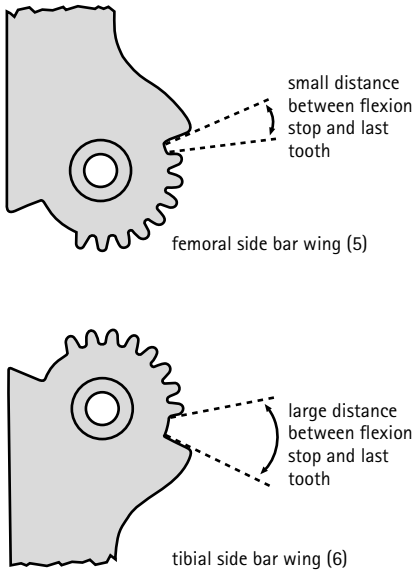
Side Bar Type E		
Article Number	Material	Unit
KS1100-ST	steel	pair
KS1100-TI	titanium	pair

You will find stops on catalogue page C10.1ff.



Details Gear Segments

Please note when reordering!



Article Number for Side Bar Wings (5 and 6)

Side Bar Type A		Side Bar Wing Thickness for:	
		Steel	Titanium
Item	Description	2mm	2mm
5	femoral side bar wing, curved	KS0050-ST	KS0050-TI
6	tibial side bar wing, curved	KS0051-ST	KS0051-TI

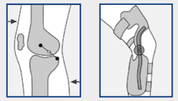
Side Bar Types B to E		Side Bar Wing Thickness for:						
		Steel			Titanium			Carbon Fibre
		2mm		3mm	2mm		3mm	3.3mm
Item	Description	B	E	C	B	E	C	
5	femoral side bar wing, curved	KS0010-ST	KS0014-ST	KS0024-ST	KS0010-TI	KS0014-TI	KS0024-TI	KS0010-C
6	tibial side bar wing, curved	KS0011-ST	KS0015-ST	KS0025-ST	KS0011-TI	KS0015-TI	KS0025-TI	KS0011-C

Other Spare Parts		Article Number for Side Bar Type				
Item	Description	A	B	C	D	E
1	slotted countersunk flat head screw	SC1104-L05	SC1104-L05	SC1104-L05	SC1104-L05	SC1104-L05
2	base plate	KS0150-AL	KS0100-ST	KS0100-ST	KS0210-AL	KS0100-ST
3	sliding washer	GS1609-050	GS2210-050	GS2210-050	GS2210-025*	GS2210-050
4	bronze bushing**	BB855x-**	BB966x-**	BB966x-**	BB106x-**	BB966x-**
7	0° extension stop	KS9402-E000	KS9401-E000	KS9301-E000	KS9121-E000	KS9401-E000
8	slotted pan head screw	SC2103-L05	SC2103-L05	SC2103-L06	SC2103-L08	SC2103-L05
9	cover plate	KS0151-AL/FG	KS0101-ST/FG	KS0101-ST/FG	KS0211-AL/FG	KS0101-ST/FG
10	countersunk flat head screw with hexagon socket	SC1015-L09	SC1016-L09	SC1016-L11	SC1016-L13	SC1016-L09
without fig.	assembly/lamination dummy	KS0250	KS0200	KS0200	KS0200	KS0200

* The sliding washer for side bar type D (carbon fibre) is self-adhesive.

** Note and respect the engraved bushing heights when reordering. If the engraving is illegible, measure the exact height to the second decimal digit (e.g. 2.03mm). You will find bronze bushings on catalogue page C10.4.

Indication



corrective forces

orthosis

- injury to the posterior cruciate ligament - PCL
- uni- and multiaxial instabilities

Contraindication

Not suited for:

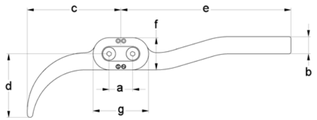
- patients with paralyses
- KAFOs with foot piece
- patients with hyperextension

Scope of Delivery

- 1 pair of articulated side bars with gear segments
- orthosis joint grease, 3g
- orthosis joint grease for joints with gear segments, 3g
- assembly/lamination dummy

Tools

You will find alignment and lamination tools on catalogue page D10.1ff.



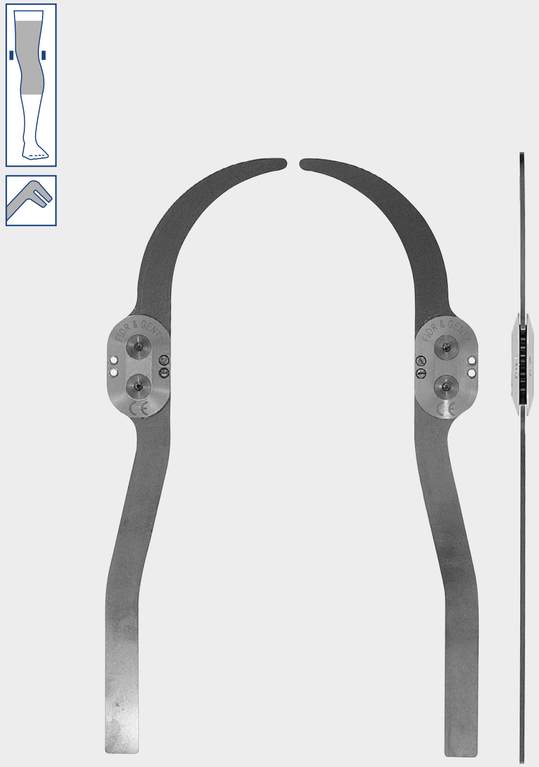
Articulated Side Bar Dimensions [mm]		Side Bar Type		
Dimension	Description	A	B	C
a	centre distance	16	22	22
b	side bar width	14	16	16
c	side bar length	80	80	80
d	side bar height	50	60	60
e	side bar length	160	160	160
f	cover plate width	26	30	30
g	cover plate height	42	52	52
	joint head thickness	8	8	10
	side bar wing thickness	2	2	3

Articulated Side Bar Weights* [g]	Side Bar Type		
Material	A	B	C
steel	147	241	311
titanium	100	185	222

* per sales unit

Joint Lamination/Prepreg Technique

16mm centre distance [a]
2mm side bar wing thickness



Side Bar Type A		
Article Number	Material	Unit
KS2001-ST	steel	pair
KS2001-TI	titanium	pair

You will find stops on catalogue page C10.1ff.

22mm centre distance [a]
2mm side bar wing thickness

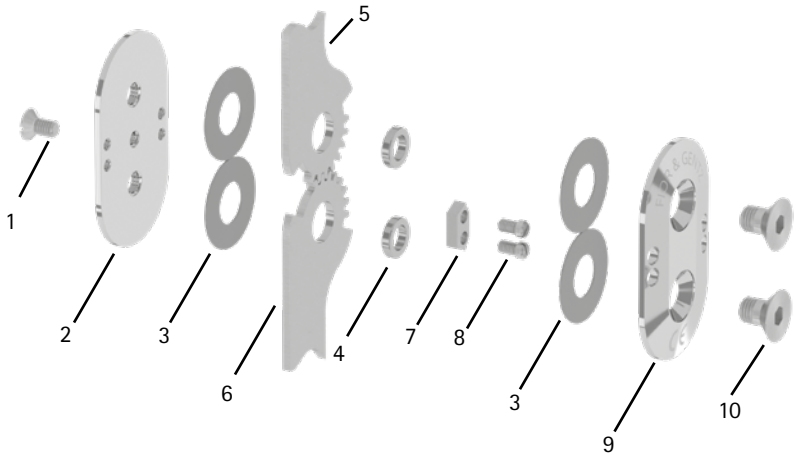
Side Bar Type B		
Article Number	Material	Unit
KS2000-ST	steel	pair
KS2000-TI	Titanium	pair

You fill find stops on catalogue page C10.1ff.

22mm centre distance [a]
3mm side bar wing thickness

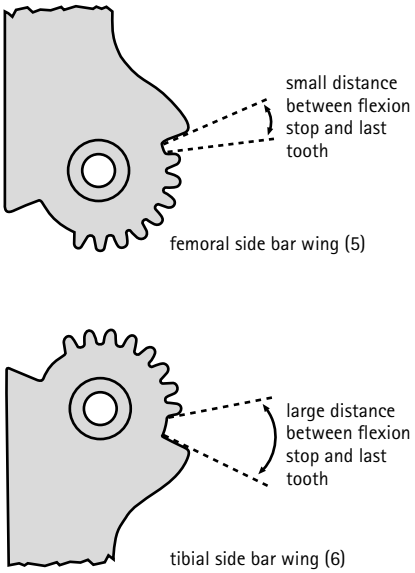
Side Bar Type C		
Article Number	Material	Unit
KS2500-ST	steel	pair
KS2500-TI	titanium	pair

For stops see catalogue page C10.1ff.



Details Gear Segments

Please note when reordering!



Article Number for Side Bar Wings (5 and 6)

Side Bar Type A		Side Bar Wing Thickness for:	
		Steel	Titanium
Item	Description	2mm	2mm
5	femoral side bar wing, curved	KS0050-ST	KS0050-TI
6	tibial side bar wing, calf curved	KS0053-ST	KS0053-TI

Side Bar Types B to D		Side Bar Wing Thickness for:				
		Steel		Titanium		Carbon Fibre
Item	Description	2mm	3mm	2mm	3mm	3.3mm
5	femoral side bar wing, curved	KS0010-ST	KS0024-ST	KS0010-TI	KS0024-TI	KS0010-C
6	tibial side bar wing, calf curved	KS0013-ST	KS0027-ST	KS0013-TI	KS0027-TI	KS0013-C

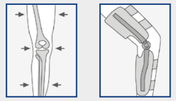
Other Spare Parts		Article Number for Side Bar Type			
Item	Description	A	B	C	D
1	slotted countersunk flat head screw	SC1104-L05	SC1104-L05	SC1104-L05	SC1104-L05
2	base plate	KS0150-AL	KS0100-ST	KS0100-ST	KS0210-AL
3	sliding washer	GS1609-050	GS2210-050	GS2210-050	GS2210-025*
4	bronze bushing**	BB855x-**	BB966x-**	BB966x-**	BB106x-**
7	0° extension stop	KS9402-E000	KS9401-E000	KS9301-E000	KS9121-E000
8	slotted pan head screw	SC2103-L05	SC2103-L05	SC2103-L06	SC2103-L08
9	cover plate	KS0151-AL/FG	KS0101-ST/FG	KS0101-ST/FG	KS0211-AL/FG
10	countersunk flat head screw with hexagon socket	SC1015-L09	SC1016-L09	SC1016-L11	SC1016-L13
without fig.	assembly/lamination dummy	KS0250	KS0200	KS0200	KS0200

* The sliding washer for side bar type D (carbon fibre) is self-adhesive.

** Note and respect the engraved bushing heights when reordering. If the engraving is illegible, measure the exact height to the second decimal digit (e.g. 2.03mm). You will find the bronze bushings on catalogue page C10.4.

Gonarthrosis

Indication



- gonarthrosis (knee joint osteoarthritis)

Contraindication

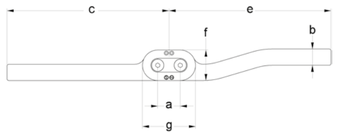
Not suited for:
- patients with paralyses
- KAFOs with foot piece
- patients with hyperextension

Scope of Delivery

- 1 pair of articulated side bars with gear segments
- orthosis joint grease, 3g
- orthosis joint grease for joints with gear segments, 3g
- assembly/lamination dummy

Tools

You will find alignment and lamination tools on catalogue page D10.1ff.



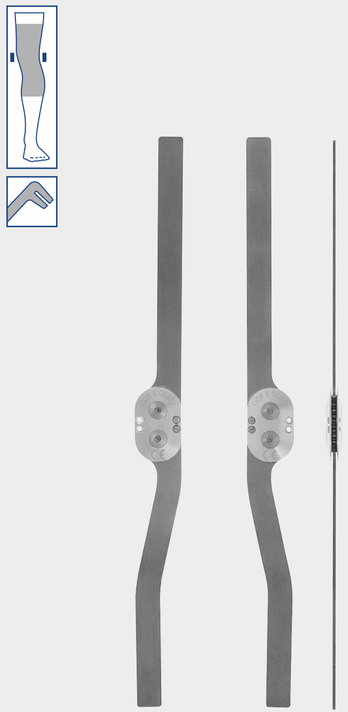
Articulated Side Bar Dimensions [mm]		Side Bar Type					
Dimension	Description	A	B	C	D	E	F
a	centre distance	16	22	22	22	22	22
b	side bar width	14	16	16	16	21	21
c	side bar length	160	160	160	205	340	340
e	side bar length	160	160	160	205	300	300
f	cover plate width	26	30	30	30	30	30
g	cover plate height	42	52	52	52	52	52
	joint head thickness	8	8	10	12	8	8
	side bar wing thickness	2	2	3	3.3	2	2

Articulated Side Bar Weights* [g]	Side Bar Type					
Material	A	B	C	D	E	F
steel	176	273	359	-	528	-
titanium	118	206	250	-	-	342
carbon fibre	-	-	-	148	-	-

* per sales unit

Joint Lamination/Prepreg Technique

16mm centre distance [a]
2mm side bar wing thickness



Side Bar Type A

Article Number	Material	Unit
KS3001-ST	steel	pair
KS3001-TI	titanium	pair

You will find stops on catalogue page C10.1ff.

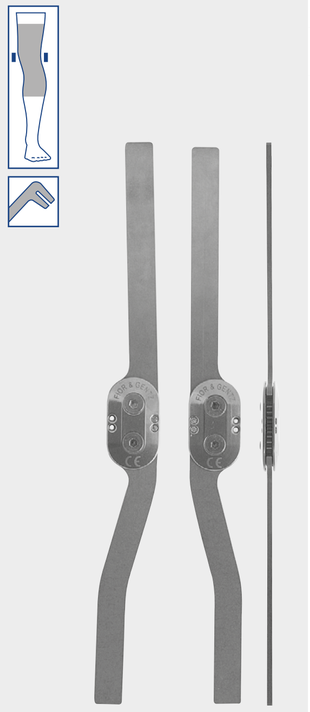
22mm centre distance [a]
2mm side bar wing thickness

Side Bar Type B

Article Number	Material	Unit
KS3000-ST	steel	pair
KS3000-TI	titanium	pair

You will find stops on catalogue page C10.1ff.

22mm centre distance [a]
3mm side bar wing thickness



Side Bar Type C

Article Number	Material	Unit
KS3500-ST	steel	pair
KS3500-TI	titanium	pair

You will find stops on catalogue page C10.1ff.

22mm centre distance [a]
3.3mm side bar wing thickness

Side Bar Type D

Article Number	Material	Unit
KS3000-C	carbon fibre	pair

You will find stops on catalogue page C10.1ff.

Joint Lamination/Prepreg Technique | Side Bar Shell Technique

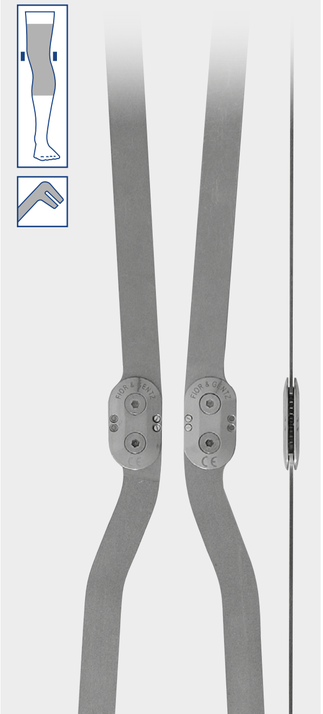
22mm centre distance [a]
2mm side bar wing thickness, material: concave

Side Bar Type E

Article Number	Material	Unit
KS3200-ST	steel	pair
KS3200-ST/AS**	steel	pair

For stops see catalogue page C10.1 ff.

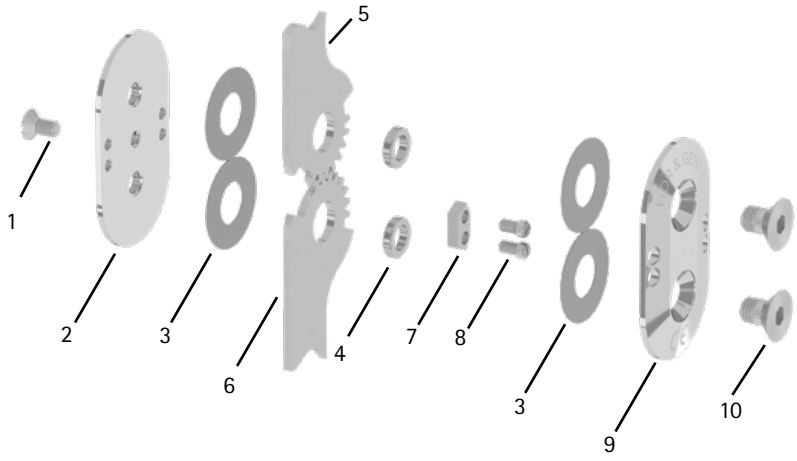
22mm centre distance [a]
2mm side bar wing thickness, material: flat



Side Bar Type F

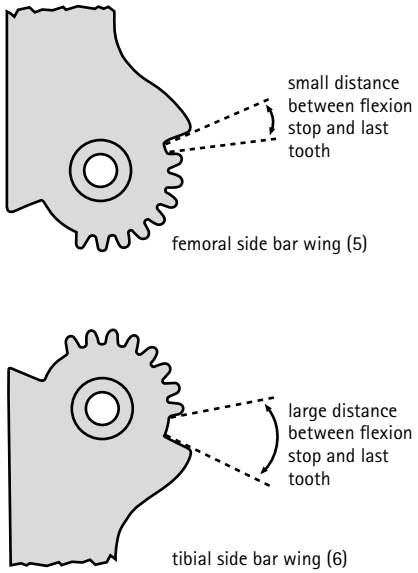
Article Number	Material	Unit
KS3200-TI	titanium	pair
KS3200-TI/AS**	titanium	pair

For stops see catalogue page C10.1 ff.



Details Gear Segments

Please note when reordering!



Article Number for Side Bar Wings (5 and 6)

Side Bar Type A		Side Bar Wing Thickness for:	
		Steel	Titanium
Item	Description	2mm	2mm
5	femoral side bar wing, straight	KS0052-ST	KS0052-TI
6	tibial side bar wing, calf curved	KS0053-ST	KS0053-TI

Side Bar Types B to D		Side Bar Wing Thickness for:				
		Steel		Titanium		Carbon Fibre
Item	Description	2mm	3mm	2mm	3mm	3.3mm
5	femoral side bar wing, straight	KS0012-ST	KS0026-ST	KS0012-TI	KS0026-TI	KS0012-C
6	tibial side bar wing, calf curved	KS0013-ST	KS0027-ST	KS0013-TI	KS0027-TI	KS0013-C

Side Bar Types E to F		Side Bar Wing Thickness for:		
		Steel Concave		Titanium
		2mm		2mm
Item	Description	left	right	
5	femoral side bar wing, straight	KS0016-L/ST	KS0016-R/ST	KS0016-TI
6	tibial side bar wing, calf curved	KS0017-L/ST	KS0017-R/ST	KS0017-TI

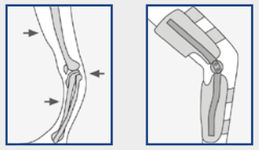
Further Spare Parts		Article Number for Side Bar Type					
Item	Description	A	B	C	D	E	F
1	slotted countersunk flat head screw	SC1104-L05	SC1104-L05	SC1104-L05	SC1104-L05	SC1104-L05	SC1104-L05
2	base plate	KS0150-AL	KS0100-ST	KS0100-ST	KS0210-AL	KS0100-ST	KS0100-ST
3	sliding washer	GS1609-050	GS2210-050	GS2210-050	GS2210-025*	GS2210-050	GS2210-050
4	bronze bushing**	BB855x-**	BB966x-**	BB966x-**	BB106x-**	BB966x-**	BB966x-**
7	0° extension stop	KS9402-E000	KS9401-E000	KS9301-E000	KS9121-E000	-	-
7	6° extension stop	-	-	-	-	KS9401-E006	KS9401-E006
8	slotted pan head screw	SC2103-L05	SC2103-L05	SC2103-L06	SC2103-L08	SC2103-L05	SC2103-L05
9	cover plate	KS0151-AL/FG	KS0101-ST/FG	KS0101-ST/FG	KS0211-AL/FG	KS0101-ST/FG	KS0101-ST/FG
10	countersunk flat head screw with hexagon socket	SC1015-L09	SC1016-L09	SC1016-L11	SC1016-L13	SC1016-L09	SC1016-L09
without fig.	assembly/lamination dummy	KS0250	KS0200	KS0200	KS0200	KS0200	KS0200

* The sliding washer for side bar type D (carbon fibre) is self-adhesive.

** Note and respect the engraved bushing heights when reordering. If the engraving is illegible, measure the exact height to the second decimal digit (e.g. 2.03mm). You will find bronze bushings on catalogue page C10.4.

Hyperextension

Indication



corrective forces

orthosis

- hyperextension of the knee joint ➡ orthotic fitting with extra strong articulated side bars
- gonarthrosis (knee joint osteoarthritis)

Contraindication

Not suited for:

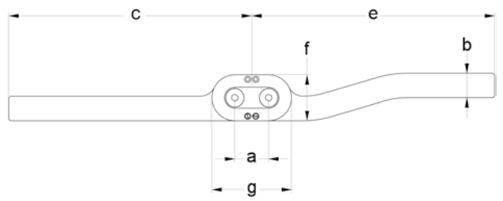
- patients with paralyses
- KAFOs with foot piece

Scope of Delivery

- 1 pair of articulated side bars with gear segments
- orthosis joint grease, 3g
- orthosis joint grease for joints with gear segments, 3g
- assembly/lamination dummy

Tools

You will find alignment and lamination tools on catalogue page D10.1ff.



Articulated Side Bar Dimensions [mm]

Dimension	Description	
a	centre distance	22
b	side bar width	21
c	side bar length	160
e	side bar length	160
f	cover plate width	30
g	cover plate height	52
	joint head thickness	10
	side bar wing thickness	3

Articulated Side Bar Weight* [g]

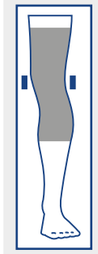
Material	
steel	424
titanium	286

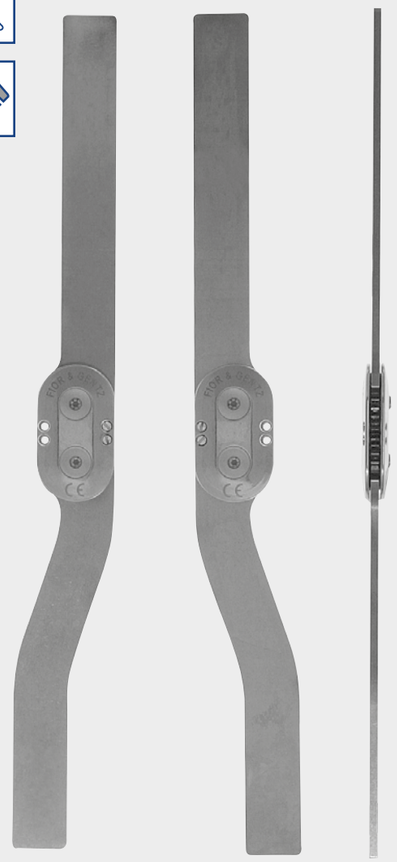
* per sales unit

Joint Lamination/Prepreg Technique

22mm centre distance [a]

3mm side bar wing thickness

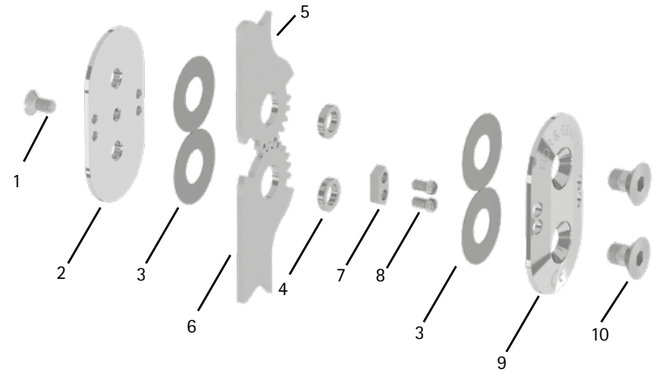




Side Bar Type C

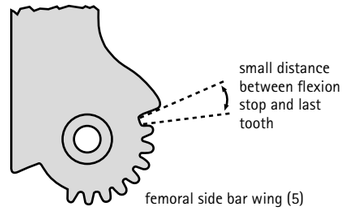
Article Number	Material	Unit
KS3100-ST	steel	pair
KS3100-TI	titanium	pair

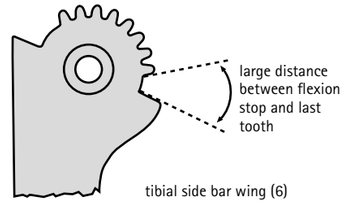
You will find stops on catalogue page C10.1ff.



Details Gear Segments

Please note when reordering!





Article Number for Side Bar Wings (5 and 6)

		Side Bar Wing Thickness for:	
		Steel	Titanium
Item	Description	3mm	3mm
5	femoral side bar wing, straight	KS0018-ST	KS0018-TI
6	tibial side bar wing, calf curved	KS0019-ST	KS0019-TI

Further Spare Parts

Item	Description	Article Number
1	slotted countersunk flat head screw	SC1104-L05
2	base plate	KS0100-ST
3	sliding washer	GS2210-050
4	bronze bushing**	BB966x-**
7	0° extension stop	KS9301-E000
8	slotted pan head screw	SC2103-L06
9	cover plate	KS0101-ST/FG
10	countersunk flat head screw with hexagon socket	SC1016-L11
without fig.	assembly/lamination dummy	KS0200

** Note and respect the engraved bushing heights when reordering. If the engraving is illegible, measure the exact height to the second decimal digit (e.g. 2.03mm). You will find bronze buschings on catalogue page C10.4.

Varus Deformity

Indication


corrective forces
varus deformity, left


orthosis
varus deformity, left

- varus deformity (bowleg)
- uni- and multiaxial instabilities

Contraindication

Not suited for:

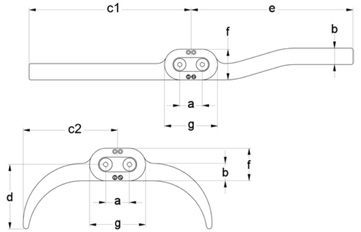
- patients with paralyses
- KAFOs with foot piece
- patients with hyperextension

Scope of Delivery

- 1 pair of articulated side bars with gear segments for types A to D
- 1 articulated side bar with gear segments for type E
- orthosis joint grease, 3g
- orthosis joint grease for joints with gear segments, 3g
- assembly/lamination dummy

Tools

You will find alignment and lamination tools on catalogue page D10.1ff.



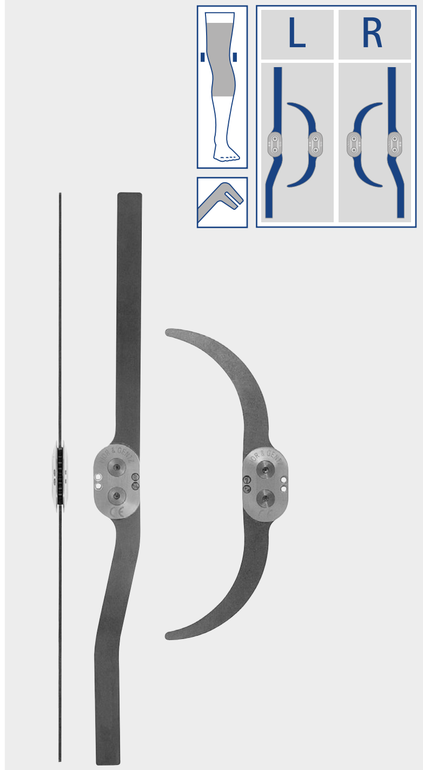
Articulated Side Bar Dimensions [mm]		Side Bar Type				
Dimension	Description	A	B	C	D	E
a	centre distance	16	22	22	22	22
b	side bar width	14	16	16	16	21
c1	side bar length	160	160	160	205	160
d	side bar height	50	60	60	65	-
e	side bar length	160	160	160	205	160
c2	side bar length	80	80	80	100	-
f	cover plate width	26	30	30	30	30
g	cover plate height	42	52	52	52	52
	joint head thickness	8	8	10	12	10
	side bar wing thickness	2	2	3	3.3	3

Articulated Side Bar Weights* [g]		Side Bar Type				
Material	A	B	C	D	E
steel	148	240	310	-	106
titanium	101	184	222	-	71
carbon fibre	-	-	-	137	-

* per sales unit

Joint Lamination/Prepreg Technique

16mm centre distance [a]
2mm side bar wing thickness



Side Bar Type A			
Article Number	Leg	Material	Unit
KS4011-ST	right	steel	pair
KS4011-TI	right	titanium	pair
KS4021-ST	left	steel	pair
KS4021-TI	left	titanium	pair

You will find stops on catalogue page C10.1ff.

22mm centre distance [a]
2mm side bar wing thickness

Side Bar Type B			
Article Number	Leg	Material	Unit
KS4010-ST	right	steel	pair
KS4010-TI	right	titanium	pair
KS4020-ST	left	steel	pair
KS4020-TI	left	titanium	pair

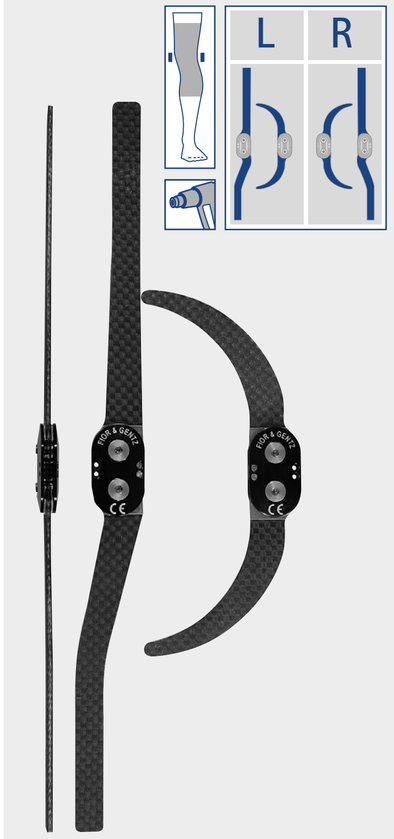
You will find stops catalogue page C10.1ff.

22mm centre distance [a]
3mm side bar wing thickness

Side Bar Type C			
Article Number	Leg	Material	Unit
KS4510-ST	right	steel	pair
KS4510-TI	right	titanium	pair
KS4520-ST	left	steel	pair
KS4520-TI	left	titanium	pair

You will find stops catalogue page C10.1 ff.

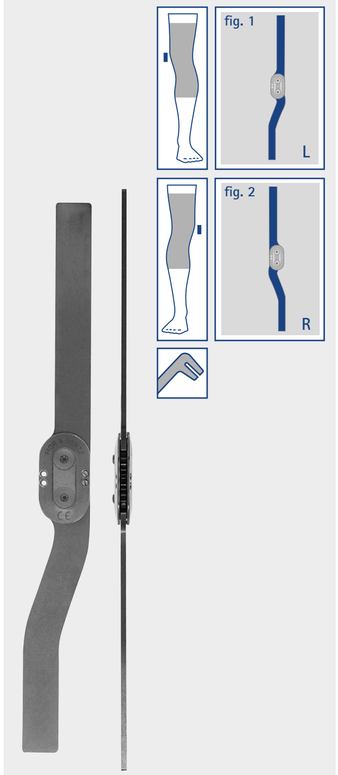
22mm centre distance [a]
3.3mm side bar wing thickness



Side Bar Type D			
Article Number	Leg	Material	Unit
KS4010-C	right	carbon fibre	pair
KS4020-C	left	carbon fibre	pair

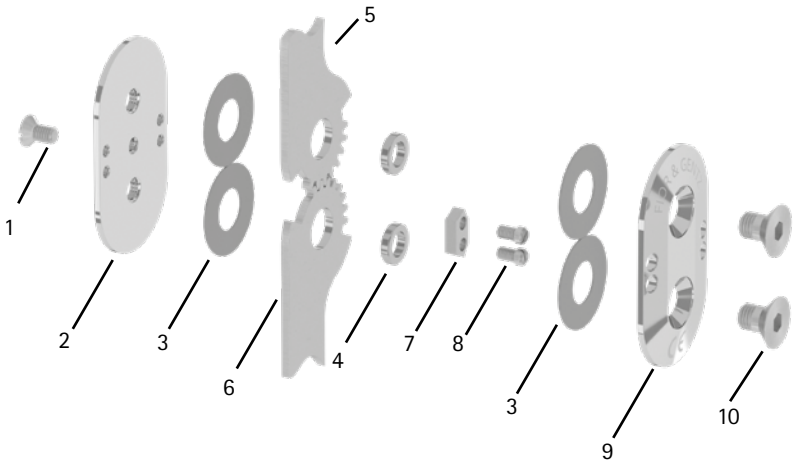
You will find stops on catalogue page C10.1ff.

22mm centre distance [a]
3mm side bar wing thickness



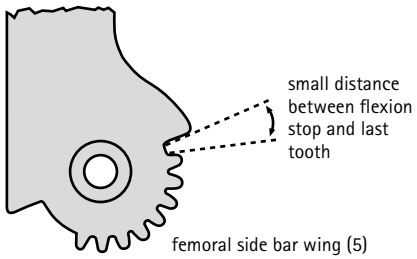
Side Bar Type E			
Article Number	Leg	Material	Unit
KS3010-ST (fig. 1)	left medial	steel	piece
KS3010-TI (fig. 1)	left medial	titanium	piece
KS3020-ST (fig. 2)	right medial	steel	piece
KS3020-TI (fig. 2)	right medial	titanium	piece

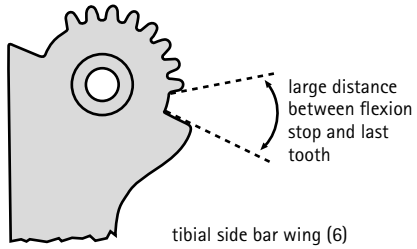
For stops see catalogue page C10.1 ff.



Details Gear Segments

Please note when reordering!





Article Number for Side Bar Wings (5 and 6)

Side Bar Type A		Side Bar Wing Thickness for:	
		Steel	Titanium
Item	Description	2mm	2mm
5	femoral side bar wing, straight	KS0052-ST	KS0052-TI
5	femoral side bar wing, curved	KS0050-ST	KS0050-TI
6	tibial side bar wing, curved	KS0051-ST	KS0051-TI
6	tibial side bar wing, calf curved	KS0053-ST	KS0053-TI

Side Bar Types B to E		Side Bar Wing Thickness for:						
		Steel			Titanium			Carbon Fibre
Item	Description	2mm	3mm	3mm unilateral	2mm	3mm	3mm unilateral	3.3mm
5	femoral side bar wing, straight	KS0012-ST	KS0026-ST	KS0018-ST	KS0012-TI	KS0026-TI	KS0018-TI	KS0012-C
5	femoral side bar wing, curved	KS0010-ST	KS0024-ST	-	KS0010-TI	KS0024-TI	-	KS0010-C
6	tibial side bar wing, curved	KS0011-ST	KS0025-ST	-	KS0011-TI	KS0025-TI	-	KS0011-C
6	tibial side bar wing, calf curved	KS0013-ST	KS0027-ST	KS0019-ST	KS0013-TI	KS0027-TI	KS0019-TI	KS0013-C

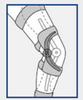
Further Spare Parts		Article Number for Side Bar Type				
Item	Description	A	B	C	D	E
1	slotted countersunk flat head screw	SC1104-L05	SC1104-L05	SC1104-L05	SC1104-L05	SC1104-L05
2	base plate	KS0150-AL	KS0100-ST	KS0100-ST	KS0210-AL	KS0100-ST
3	sliding washer	GS1609-050	GS2210-050	GS2210-050	GS2210-025*	GS2210-050
4	bronze bushing**	BB855x-**	BB966x-**	BB966x-**	BB106x-**	BB966x-**
7	0° extension stop	KS9402-E000	KS9401-E000	KS9301-E000	KS9121-E000	KS9301-E000
8	slotted pan head screw	SC2103-L05	SC2103-L05	SC2103-L06	SC2103-L08	SC2103-L06
9	cover plate	KS0151-AL/FG	KS0101-ST/FG	KS0101-ST/FG	KS0211-AL/FG	KS0101-ST/FG
10	countersunk flat head screw with hexagon socket	SC1015-L09	SC1016-L09	SC1016-L11	SC1016-L13	SC1016-L11
without fig.	assembly/lamination dummy	KS0250	KS0200	KS0200	KS0200	KS0200

* The sliding washer for side bar type D (carbon fibre) is self-adhesive.
** Note and respect the engraved bushing heights when reordering. If the engraving is illegible, measure the exact height to the second decimal digit (e.g. 2.03mm). You will find bronze bushings on catalogue page C10.4.

Valgus Deformity

Indication

corrective forces
valgus deformity, left



orthosis
valgus deformity, left

- valgus deformity (knock knee)
- uni- and multiaxial instabilities

Contraindication

Not suited for:

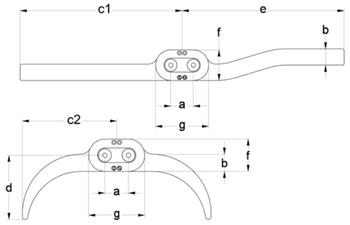
- patients with paralyses
- KAFOs with foot piece
- patients with hyperextension

Scope of Delivery

- 1 pair of articulated side bars with gear segments for types A to D
- 1 articulated side bar with gear segments for type E
- orthosis joint grease, 3g
- orthosis joint grease for joints with gear segments, 3g
- assembly/lamination dummy

Tools

You will find alignment and lamination tools on catalogue page D10.1ff.



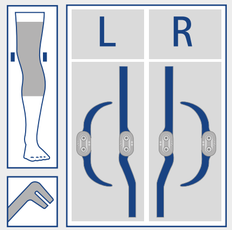
Articulated Side Bar Dimensions [mm]		Side Bar Type				
Dimension	Description	A	B	C	D	E
a	centre distance	16	22	22	22	22
b	side bar width	14	16	16	16	21
c1	side bar length	160	160	160	205	160
d	side bar height	50	60	60	65	-
e	side bar length	160	160	160	205	160
c2	side bar length	80	80	80	100	-
f	cover plate width	26	30	30	30	30
g	cover plate height	42	52	52	52	52
	joint head thickness	8	8	10	12	10
	side bar wing thickness	2	2	3	3.3	3

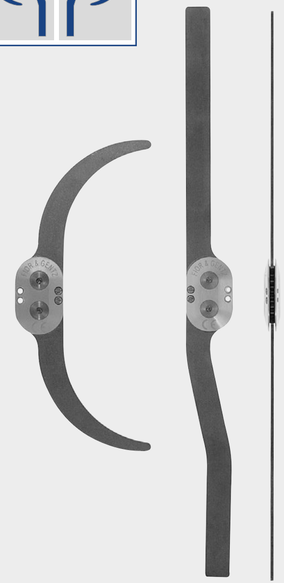
Articulated Side Bar Weights* [g]	Side Bar Type				
Material	A	B	C	D	E
steel	148	240	310	-	106
titanium	101	184	222	-	71
carbon fibre	-	-	-	137	-

* per sales unit

Joint Lamination/Prepreg Technique

16mm centre distance [a]
2mm side bar wing thickness

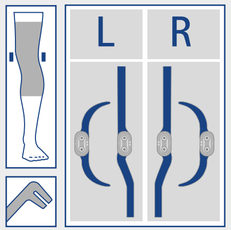




Side Bar Type A			
Article Number	Leg	Material	Unit
KS4041-ST	left	steel	pair
KS4041-TI	left	titanium	pair
KS4031-ST	right	steel	pair
KS4031-TI	right	titanium	pair

You will find stops on catalogue page C10.1ff.

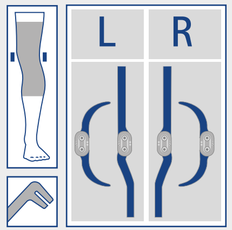
22mm centre distance [a]
2mm side bar wing thickness



Side Bar Type B			
Article Number	Leg	Material	Unit
KS4040-ST	left	steel	pair
KS4040-TI	left	titanium	pair
KS4030-ST	right	steel	pair
KS4030-TI	right	titanium	pair

You will find stops catalogue page on C10.1ff.

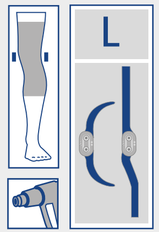
22mm centre distance [a]
3mm side bar wing thickness



Side Bar Type C			
Article Number	Leg	Material	Unit
KS4540-ST	left	steel	pair
KS4540-TI	left	titanium	pair
KS4530-ST	right	steel	pair
KS4530-TI	right	titanium	pair

You will find stops on catalogue page C10.1ff.

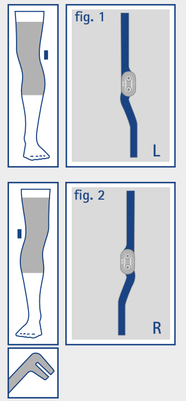
22mm centre distance [a]
3.3mm side bar wing thickness



Side Bar Type D			
Article Number	Leg	Material	Unit
KS4040-C	left	carbon fibre	pair

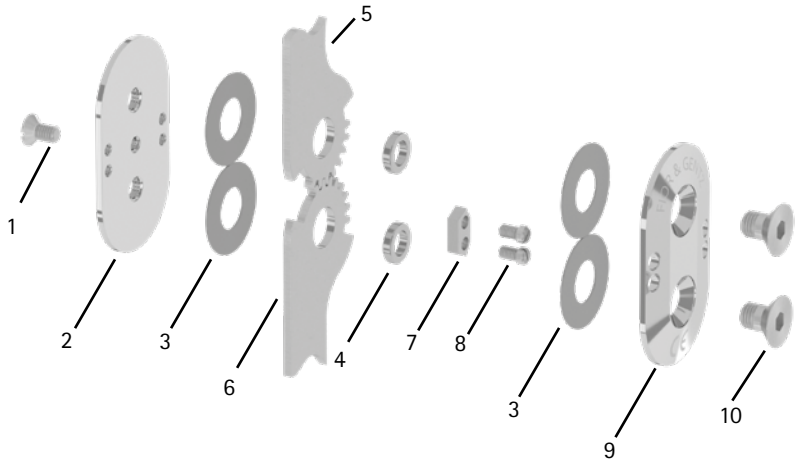
You will find stops on catalogue page C10.1ff.

22mm centre distance [a]
3mm side bar wing thickness



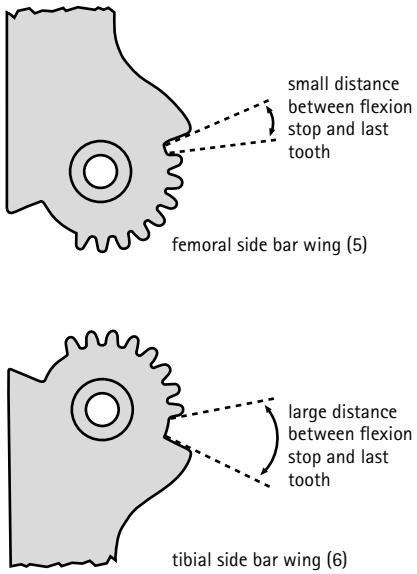
Side Bar Type E			
Article number	Leg	Material	Unit
KS3040-ST (fig. 1)	left lateral	steel	piece
KS3040-TI (fig. 1)	left lateral	titanium	piece
KS3030-ST (fig. 2)	right lateral	steel	piece
KS3030-TI (fig. 2)	right lateral	titanium	piece

You will find stops on catalogue page C10.1ff.



Details Gear Segments

Please note when reordering!



Article Number for Side Bar Wings (5 and 6)

Side Bar Type A		Side Bar Wing Thickness for:	
		Steel	Titanium
Item	Description	2mm	2mm
5	femoral side bar wing, straight	KS0052-ST	KS0052-TI
5	femoral side bar wing, curved	KS0050-ST	KS0050-TI
6	tibial side bar wing, curved	KS0051-ST	KS0051-TI
6	tibial side bar wing, calf curved	KS0053-ST	KS0053-TI

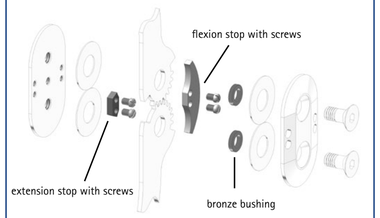
Side Bar Types B to E		Side Bar Wing Thickness for:						
		Steel			Titanium			Carbon Fibre
Item	Description	2mm	3mm	3mm unilateral	2mm	3mm	3mm unilateral	3.3mm
5	femoral side bar wing, straight	KS0012-ST	KS0026-ST	KS0018-ST	KS0012-TI	KS0026-TI	KS0018-TI	KS0012-C
5	femoral side bar wing, curved	KS0010-ST	KS0024-ST	-	KS0010-TI	KS0024-TI	-	KS0010-C
6	tibial side bar wing, curved	KS0011-ST	KS0025-ST	-	KS0011-TI	KS0025-TI	-	KS0011-C
6	tibial side bar wing, calf curved	KS0013-ST	KS0027-ST	KS0019-ST	KS0013-TI	KS0027-TI	KS0019-TI	KS0013-C

Further Spare Parts		Article Number for Side Bar Type				
Item	Description	A	B	C	D	E
1	slotted countersunk flat head screw	SC1104-L05	SC1104-L05	SC1104-L05	SC1104-L05	SC1104-L05
2	base plate	KS0150-AL	KS0100-ST	KS0100-ST	KS0210-AL	KS0100-ST
3	sliding washer	GS1609-050	GS2210-050	GS2210-050	GS2210-025*	GS2210-050
4	bronze bushing**	BB855x-**	BB966x-**	BB966x-**	BB106x-**	BB966x-**
7	0° extension stop	KS9402-E000	KS9401-E000	KS9301-E000	KS9121-E000	KS9301-E000
8	slotted pan head screw	SC2103-L05	SC2103-L05	SC2103-L06	SC2103-L08	SC2103-L06
9	cover plate	KS0151-AL/FG	KS0101-ST/FG	KS0101-ST/FG	KS0211-AL/FG	KS0101-ST/FG
10	countersunk flat head screw with hexagon socket	SC1015-L09	SC1016-L09	SC1016-L11	SC1016-L13	SC1016-L11
without fig.	assembly/lamination dummy	KS0250	KS0200	KS0200	KS0200	KS0200

* The sliding washer for side bar type D (carbon fibre) is self-adhesive.

** Note and respect the engraved bushing heights when reordering. If the engraving is illegible, measure the exact height to the second decimal digit (e.g. 2.03mm). You will find bronze bushings on catalogue page C10.4.

Example of Accessory Parts



Application of the Stops

Steel or plastic extension and flexion stops for mounting in articulated side mars made of steel, titanium or carbon fibre with gear segments and 16 or 22mm centre distance.

Note on the Stops

The stops can be screwed on the joint retainers for articulated side bars with gear segments (see catalogue page D10.4). Thus, the articulated side bars can be aligned and fixed in the desired flexed position determined by the positive cast. When ordering a stop set, the corresponding screws for mounting the stops are already included in the scope of delivery. However, you can also order the screws separately for each stop.

Extension and Flexion Stops

	Description (Use)	Alternative Use	articulated side bar material: steel/titanium	articulated side bar material: steel/titanium		articulated side bar material: carbon fibre		Unit
			16mm centre distance	22mm centre distance		22mm centre distance		
			2mm side bar wing thickness	2mm side bar wing thickness	3mm side bar wing thickness	3.3mm side bar wing thickness		
			stop material: steel	stop material: steel		stop material: steel	stop material: plastic*	
	0° extension stop	100° flexion stop	KS9402-E000	KS9401-E000	KS9301-E000	KS9111-E000	KS9121-E000	piece
	6° extension stop	-	KS9402-E006	KS9401-E006	KS9301-E006	KS9111-E006	KS9121-E006	piece
	10° extension stop	90° flexion stop	KS9402-E010	KS9401-E010	KS9301-E010	KS9111-E010	KS9121-E010	piece
	20° extension stop	80° flexion stop	KS9402-E020	KS9401-E020	KS9301-E020	KS9111-E020	KS9121-E020	piece
	30° extension stop	70° flexion stop	KS9402-E030	KS9401-E030	KS9301-E030	KS9111-E030	KS9121-E030	piece
	0° flexion stop	-	KS9402-F000	KS9401-F000	KS9301-F000	KS9111-F000	-	piece
	10° flexion stop	-	KS9402-F010	KS9401-F010	KS9301-F010	KS9111-F010	-	piece
	20° flexion stop	-	KS9402-F020	KS9401-F020	KS9301-F020	KS9111-F020	-	piece
	30° flexion stop	-	KS9402-F030	KS9401-F030	KS9301-F030	KS9111-F030	-	piece
	40° flexion stop	-	KS9402-F040	KS9401-F040	KS9301-F040	KS9111-F040	KS9121-F040	piece
	50° flexion stop	-	KS9402-F050	KS9401-F050	KS9301-F050	KS9111-F050	KS9121-F050	piece
	60° flexion stop	40° extension stop	KS9402-F060	KS9401-F060	KS9301-F060	KS9111-F060	KS9121-F060	piece
	70° flexion stop	30° extension stop	KS9402-F070	KS9401-F070	KS9301-F070	KS9111-F070	KS9121-F070	piece
	80° flexion stop	20° extension stop	KS9402-F080	KS9401-F080	KS9301-F080	KS9111-F080	KS9121-F080	piece
	90° flexion stop	10° extension stop	KS9402-F090	KS9401-F090	KS9301-F090	KS9111-F090	KS9121-F090	piece
	100° flexion stop	0° extension stop	KS9402-F100	KS9401-F100	KS9301-F100	KS9111-F100	KS9121-F100	piece
without fig.	stop set	-	KS9402	KS9401	KS9301	-	-	set
without fig.	stop set	-	-	-	-	KS9111	KS9121	set
	slotted pan head screw, M3x4	-	SC2103-L05	SC2103-L05	SC2103-L06	SC2103-L08	SC2103-L08	piece

* lower noise (only for low loads)

Bronze Bushings

The bushing height (h) is engraved.
Please note that when reordering!

Centre Distance	Side Bar Thickness	Article Number	Outer Ø [mm]	Height (h) [mm]	Unit
Steel and Titanium Articulated Side Bars with Gear Segments					
16mm	2mm	BB8552-85	8.50	2.85	piece
		BB8552-88	8.50	2.88	piece
		BB8552-91	8.50	2.91	piece
		BB8552-94	8.50	2.94	piece
		BB8552-97	8.50	2.97	piece
		BB8553-00	8.50	3.00	piece
		BB8553-03	8.50	3.03	piece
		BB8553-06	8.50	3.06	piece
		BB8553-09	8.50	3.09	piece
22mm	2mm	BB9662-83	9.60	2.83	piece
		BB9662-86	9.60	2.86	piece
		BB9662-89	9.60	2.89	piece
		BB9662-92	9.60	2.92	piece
		BB9662-95	9.60	2.95	piece
		BB9662-98	9.60	2.98	piece
		BB9663-01	9.60	3.01	piece
		BB9663-04	9.60	3.04	piece
		BB9663-07	9.60	3.07	piece
		BB9663-10	9.60	3.10	piece
		BB9663-13	9.60	3.13	piece
22mm	3mm	BB9663-92	9.60	3.92	piece
		BB9663-95	9.60	3.95	piece
		BB9663-98	9.60	3.98	piece
		BB9664-01	9.60	4.01	piece
		BB9664-04	9.60	4.04	piece
		BB9664-07	9.60	4.07	piece
		BB9664-10	9.60	4.10	piece
		BB9664-13	9.60	4.13	piece
		BB9664-16	9.60	4.16	piece
		BB9664-19	9.60	4.19	piece
		BB9664-22	9.60	4.22	piece
Carbon Fibre Articulated Side Bars with Gear Segments					
22mm	3.3mm	BB1065-70	10.00	5.70	piece
		BB1065-80	10.00	5.80	piece
		BB1065-90	10.00	5.90	piece
		BB1066-00	10.00	6.00	piece
		BB1066-10	10.00	6.10	piece
		BB1066-20	10.00	6.20	piece
		BB1066-30	10.00	6.30	piece

FIOR & GENTZ Tools

Catalogue Pages of the Tools	
Section	Page
Making the Negative Cast	D10.2
Positioning the Pivot Points	D10.3
Tools for the Parallel Alignment of the System Joints	D10.4
Spare Parts for the Tools	D10.5
Other Tools	D10.6
Tool Case	D10.7

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.

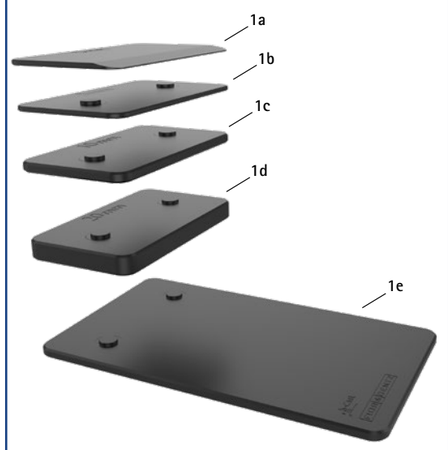
e-Cast in a Case		
Fig.	Article Number	Description
2	WE3400	e-Cast in a case
2a	ET3400-T	operator device
2b	ET3410-WE	sensor for the thigh
2c	ET3420-WE	sensor for the lower leg
2d	ET3430-WE	sensor for the foot
2e	WZ2067-T08	screwdriver, hexalobular socket, T8 x 60mm
2f	ET0710	cable
2g	ET0780	adapter
2h	ET0830-2450*	3 x batteries for e-Cast sensors*
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

* When reordering the article, only one battery is delivered as a sales unit.

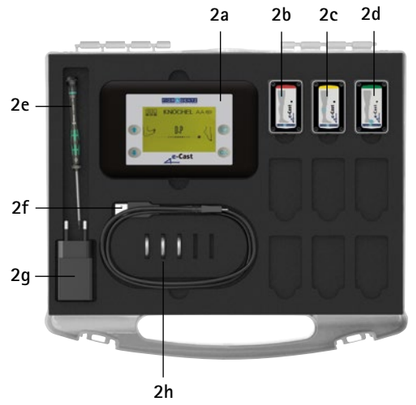
Application: for checking the joint angles during the making of the negative cast

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

h-Cast (Fig. 1)



e-Cast in a Case (Fig. 2)

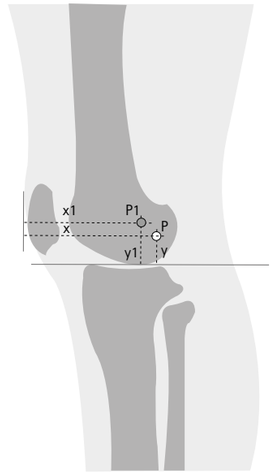


Knee Joint: The position of the mechanical pivot point at knee height is calculated by the Orthosis Configurator using the ap measurement.

With the Orthosis Configurator, the exact anatomical compromise pivot point according to Nietert P1 and the exact 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 below) 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?

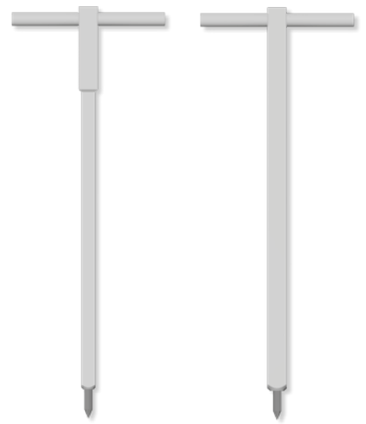
Due to the rolling and sliding motion of the human knee, the anatomical pivot point moves on a centrode during flexion and extension. The anatomical compromise pivot point P1 centres the several pivot points of the centrode as precisely as possible on only one point. For patients without any impairment 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.



P = mechanical pivot point
(corresponds to the anatomical compromise pivot point according to Nietert)

Alignment Aid		
Article Number	Description	Unit
JA1001	alignment aid 11 x 11mm 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 pages D10.4 to D10.5) inside the positive cast.



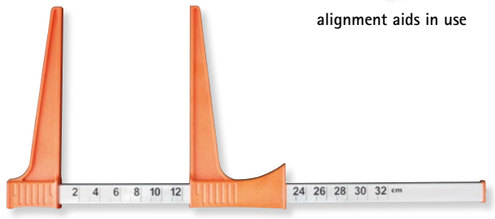
alignment aid JA1001

alignment aid JA1000

alignment aids in use

Calliper		
Article Number	Description	Unit
WZ3000-32	calliper, measurement range 0-320mm	piece

Application: to determine the ap measurement at knee height

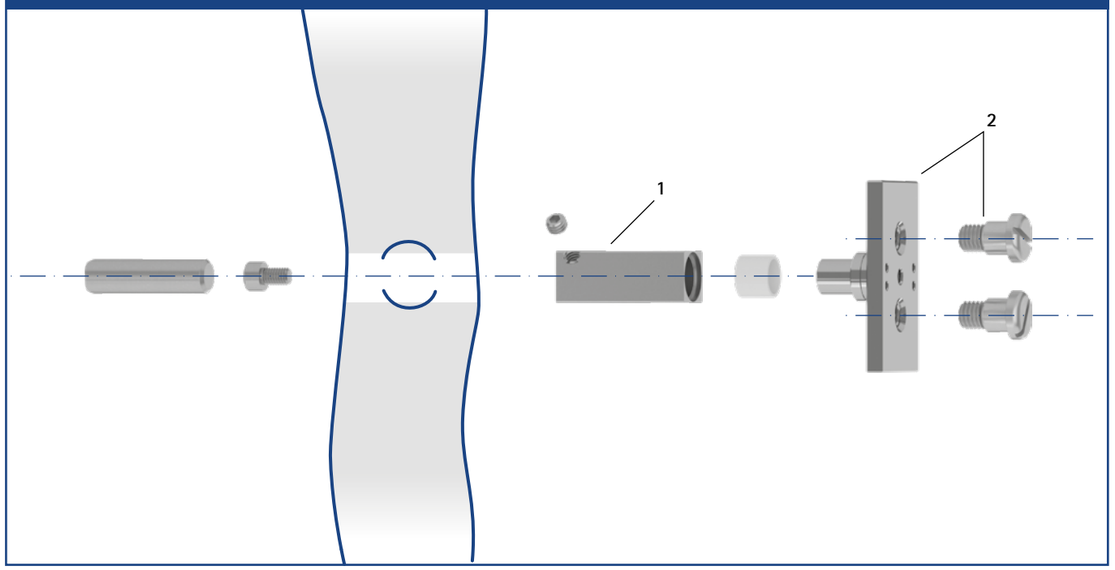


calliper

Use the Orthosis Configurator for calculating the anatomical compromise pivot point according to Nietert:

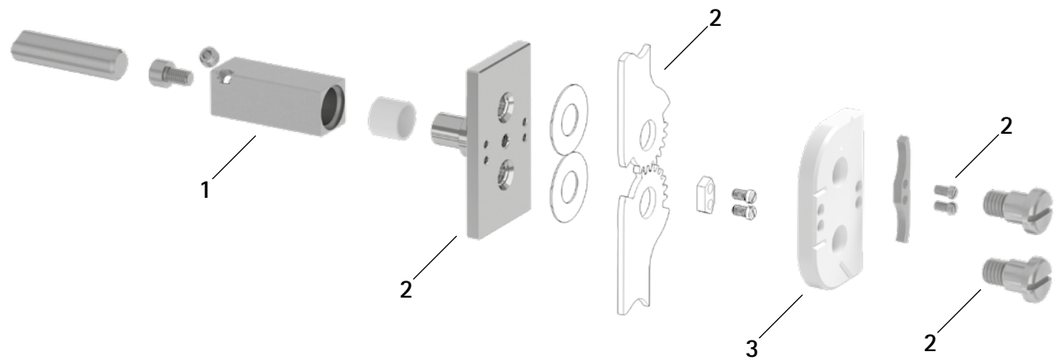
Orthosis Configurator

FIOR & GENTZ Tool Principle



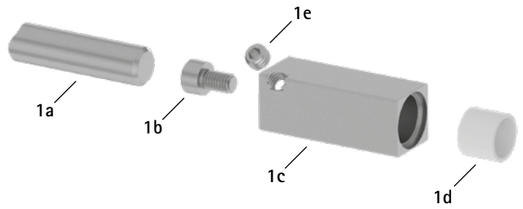
Articulated Side Bars for Knee Orthoses	
Article Number for Centre Distance	
16mm	22mm
PE2000-LR or PE4000-LR (1) and PZ4100-LR (2)	PE2000-LR or PE4000-LR (1) and PZ2100-LR (2)

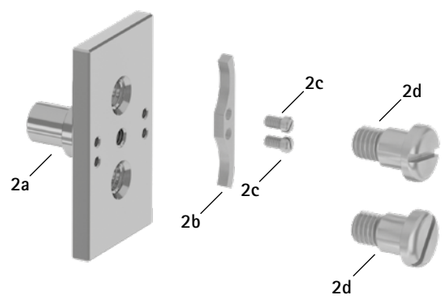
Exploded View Drawing with Dummies (Fig. 1)



Tools for the Parallel Alignment of the System Joints on the Positive Cast				
Item	Article Number for Centre Distance 16mm	22mm	Description	Unit
1	PE2000-LR	PE2000-LR	holders, 40mm long, plaster technique, square: 15 x 15mm	piece
1	PE4000-LR	PE4000-LR	holders, 30mm long, plaster technique, square: 15 x 15mm	piece
2	PZ4100-LR	PZ2100-LR	joint retainers for articulated side bars with gear segments	set
3	KS0250-LR	KS0200-LR	assembly/lamination dummy	piece

Holder (1)		Joint Retainer for Articulated Side Bars with Gear Segments (2)	
PE2000-LR	PE4000-LR	PZ2100-LR	PZ4100-LR





Holder (1)

Item	Article Number for PE2000	Article Number for PE4000	Description	Unit
1a	RM0120-AL100	RM0080-AL100	round material	piece
without fig.	RM0300-AL100*	RM0300-AL100*	round material, aluminium 10 x 300mm	piece
1b	SC4005-L08	SC4005-L08	cylinder head screw	piece
1c	PE0102-01	PE0102-00	square	piece
1d	BP1210-L10	BP1210-L10	polyamide bushing	piece
1e	SC9606-L04ST	SC9606-L04ST	headless pin	piece

* not included in the scope of delivery, can be ordered optionally

Joint Retainer for Articulated Side Bars with Gear Segments (2)

Item	Article Number for PZ2100	Article Number for PZ4100	Description	Unit
2a	PZ0210	PZ0410	joint retainer	piece
2b	KS9401-F000	KS9402-F000	0° flexion stop	piece
without fig.	-	KS9402-F005	5° flexion stop	piece
2c	SC2103-L06	SC2103-L05	slotted pan head screw	piece
2d	SC4048-L16	SC4038-L16	retaining screw	piece

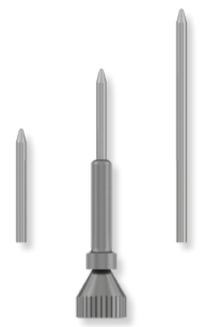


fig. 1

fig. 2

fig. 3

fig. 4

fig. 5

Parallel Alignment Gauge (Fig. 1)

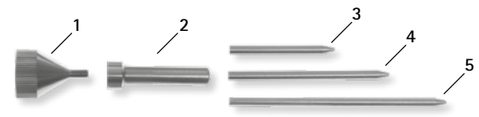
Article Number	Scope of Delivery	Description	Unit
PS1000	1 x fig. 1	parallel alignment gauge for aligning system stirrups and system joints	piece

Application: used to control the parallel alignment of ankle and knee joints as well as stirrups on orthoses.

Scope of delivery: parallel alignment gauge with 3 aligning pins, different lengths: 60, 90 and 120mm.

Spare Parts for Parallel Alignment Gauge

Item	Article Number	Description	Unit
1	PS0102	centering screw	piece
2	PS0101	guide bushing	piece
3	PS0100-L060	aligning pin, length: 60mm	piece
4	PS0100-L090	aligning pin, length: 90mm	piece
5	PS0100-L120	aligning pin, length: 120mm	piece



Bolt for Trial with Knurled Nut (Fig. 2)

Article Number	Scope of Delivery	Description	Unit
PS2000-010	10 x fig. 2	bolt 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. 3)

Article Number	Scope of Delivery	Description	Unit
WZ1225-096	1 x fig. 3	reamer 9.6mm, H7	piece
WZ1225-105	similar to fig. 3	reamer 10.5mm, H7	piece

Application: for reaming the bronze bushing bore before inserting a repair bushing.

Easy Cutter (Fig. 4)

Article Number	Scope of Delivery	Description	Unit
WZ8083-01	1 x fig. 4	electric scissors to cut aramid and carbon fibres	piece

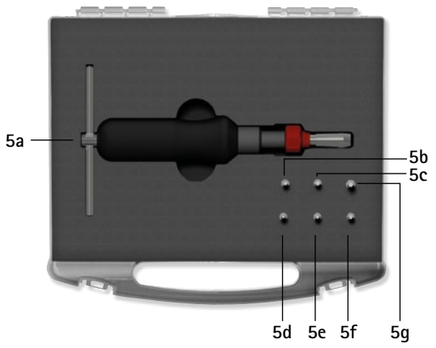
Application: used to precisely cut curves and straight cuts into technical and synthetic as well as natural materials (materials see catalogue page E10.1ff).

Torque Screwdriver in a Case

Fig.	Article Number	Description
5	WZ5500	torque screwdriver in a case with 6 bits
5a	-	torque screwdriver, 1-6Nm
5b	WZ5600-I30	bit, hexagon socket, 3mm, 25mm long, for M5 screws
5c	WZ5600-I40	bit, hexagon socket, 4mm, 25mm long, for M6 screws
5d	WZ5604-T10	bit, hexalobular socket, TX10, 25mm long, for M3 screws
5e	WZ5604-T15	bit, hexalobular socket, TX15, 25mm long, for M4 screws
5f	WZ5604-T20	bit, hexalobular socket, TX20, 25mm long, for M5/M6 screws
5g	WZ5604-T25	bit, hexalobular socket, TX25, 25mm long,

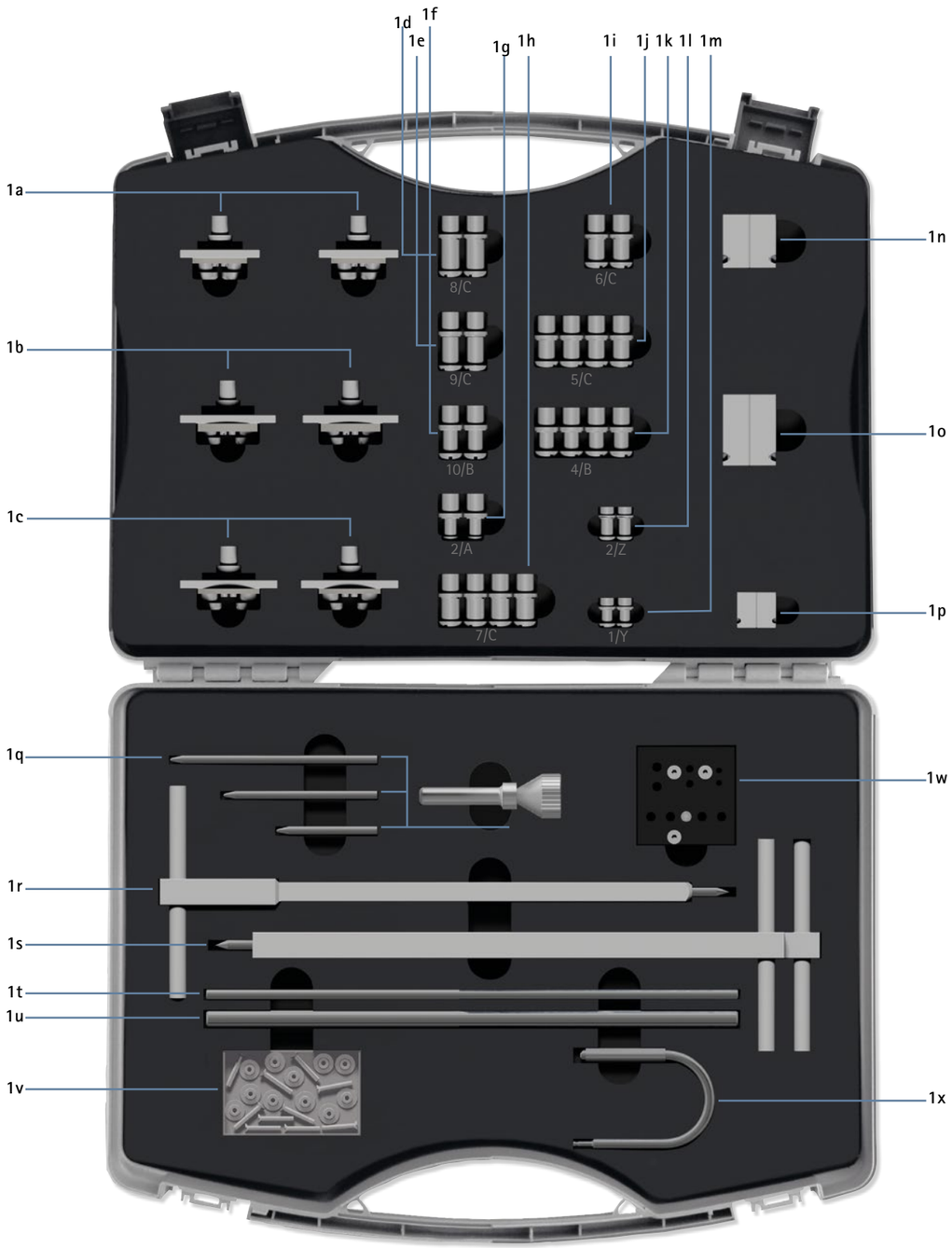
Application: for tightening screws with a defined torque

Torque Screwdriver in a Case (Fig. 5)



Tools

Tool Case (fig. 1)



Scope of Delivery of Tool Case

Item	Article No.	Description	Qty.	Catalogue Page
1	WK1000	tool case complete, filled with tools	1	J13
-	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	J10 -
1b	PZ3100-LR	joint retainers for 16 and 20mm NEURO ACTIVE system joints/articulated system side bars	2	J10
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	J10
1e	PE1123-LR	joint retainers for 16mm NEURO FLEX MAX and NEURO LOCK MAX as well as 20mm NEURO LOCK Carbon und NEURO CLASSIC Carbon (laser marking: 9/C)	2	
1f	PE1122-LR	joint retainers for 14mm NEURO FLEX MAX and NEURO LOCK MAX as well as 16mm NEURO CLASSIC Carbon und NEURO LOCK Carbon (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 Carbon, for the system knee joints 20mm NEURO MATIC, NEURO TRONIC and NEURO HiTRONIC as well as 16 and 20mm NEURO CLASSIC zero, NEURO VARIO zero, NEURO CLASSIC, NEURO VARIO, NEURO VARIO 2 and NEURO VARIO-SWING (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 NEURO SWING Carbon, as well as for the system knee joints 14mm NEURO CLASSIC zero, NEURO VARIO zero, NEURO CLASSIC, NEURO VARIO, NEURO VARIO 2 and NEURO VARIO-SWING and 16mm NEURO LOCK (laser marking: 5/C)	4	
1k	PE1012-LR	joint retainers for all 14mm system ankle joints as well as for the system knee joints 12mm NEURO CLASSIC zero, NEURO VARIO zero, NEURO CLASSIC, NEURO VARIO, NEURO VARIO 2 and NEURO VARIO-SWING and 14mm NEURO CLASSIC Carbon, NEURO LOCK und NEURO LOCK Carbon (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	
1o	PE2000-LR	holder, model technique, square: 15 x 15 x 40mm for all system knee joints	2	J9
1p	PE1001-LR	holder, model technique, square: 11 x 11 x 20mm for all 10 and 12mm system ankle joints	2	
1q	PS1000	parallel alignment gaug	1	J11
1r	JA1001	alignment aid 11 x 11 x 300mm for all 10 and 12mm system ankle joints	1	J4
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	J9
1u	RM0300-AL100	round material, aluminium, 10 x 300mm	1	
1v	PS2000-010	bolts for trial with knurled nut	10	J11
1w	BS1000	drilling jig	1	J12
1x	WE9303-SF	assembly aid for cover plate for system ankle joints with dorsiflexion assist, 16 and 20mm system width	1	J11

* You can find articulated side bars with gear segments in our product calatolue **Articulated Side Bars for Knee Orthoses.**

Application: the tools included in the tool case are used for the parallel alignment of FIOR & GENTZ system 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.

fig. 1

Trial Shell Material Vivak (Fig. 1)			
Article Number	Scope of Delivery	Length x Width x Thickness [mm]	Unit
PL1086-5/02	1 x fig. 1	1250 x 600 x 5	sheet

Application: for producing trial shells

Material properties:
- thermoformable material
- transparent
- for direct processing on moist plaster
- very stiff

Indications:
- recommended processing temperature at 170°C
- depending on the quality of the oven or heating plate, bubbles can form from heating the material

no measurable shrinkage

fig. 1

fig. 2

fig. 3

fig. 4

fig. 5 fig. 6

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
-	KL1201-0	epoxy resin	1kg resin	tin
-	KL1201-H	hardener	0,19kg hardener	tin
1	KL1202	set of epoxy resin and hardener	5kg resin and 0.95kg hardener	set
1	KL1202-0	epoxy resin	5kg resin	tin
1	KL1202-H	hardener	0,95kg hardener	tin

Application: for laminating orthoses

Material properties: after hardening, the material **cannot** be thermoformed.

especially adjusted to our materials and tested

Colour Pastes for Epoxy Resin (Fig. 2)

Article Number	Colour	Content [g]	Unit
KL1910	blue	250	tin
KL1911	black	250	tin
KL1912	white	250	tin
KL1913	yellow	250	tin
KL1914	orange	250	tin
KL1915	red	250	tin
KL1916	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%.

Insulating Wax for Lamination (Fig. 3)

Article Number	Content [g]	Unit
WA1000	425	tin

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

CA Activator, Spray for Adhesives (Fig. 4)

Article Number	Content [ml]	Unit
KL2900	150	tin

Application: for accelerating the hardening of cyanoacrylate adhesives

Fast-Acting Adhesive Based on Ethyl-Cyanoacrylate (Fig. 5-6)

Article Number	Viscosity	Content [g]	Unit
KL2100*	low	20	bottle
KL2101**	medium	20	bottle

Application: for adhering materials with a small or medium-size joint gap

Examples for the use of fast-acting adhesive

* adhesion of materials with a small joint gap

** for adhering materials with medium size joint gap e.g. adhering the PVC profile cores with system anchors for the lamination/prepreg technique.

fig. 1

fig. 2

fig. 3

fig. 4

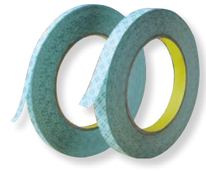


fig. 5 fig. 6

fig. 7

AGOMET® Adhesive F330 (Fig. 1)

Article Number	Content [g]	Unit
KL1100	800	tin

AGOMET® Hardener F330 (Fig. 2)

Article Number	Content [g]	Unit
KL1100-H	30	tube

AGOMET® Adhesive F330 with AGOMET Hardener F330 (without fig.)

Article Number	Content [g]	Unit
KL1101	5	tin

Application: for adhering CTC and CTS materials to each other and to metals.

Material properties: after hardening, the material **cannot** be thermoformed.

LOCTITE® Adhesive 243 (Fig. 3)

Article Number	Content [ml]	Unit
KL2000	5	tube

Application: for realising medium strength screw retentions

fig. 8

fig. 9

fig. 10

3M Super 77 Adhesive Spray (Fig. 4)

Article Number	Content [ml]	Unit
KL6030	500	tin

Application: for fixing reinforcement layers

Adhesive Transfer Tape without Backing Material (Fig. 5-6)

Article Number	Scope of Delivery	Length [m]	Width [mm]	Unit
KL4050-06	1 x fig. 5	55	6	reel
KL4050-12	1 x fig. 6	55	12	reel

Application: for fixing the cutting edges and attaching to the positive cast

Temperature Marker (Fig. 7)

Article Number	Description	Unit
ZM1000	temperature marker 175°C	Piece

Application: for marking the proper processing temperature of the CTC material

Orthosis Joint Grease (Fig. 6)

Article Number	Description	Content [g]	Unit
FT1000	orthosis joint grease	3	tube

Application: for greasing the system components

Orthosis Joint Grease for Joints with Gear Segments, 3g (Fig. 7)

Article Number	Description	Content [g]	Unit
FT2000	orthosis joint grease for joints with gear segments	3	tube

Application: for greasing the spaces in between the gear segments

Super Clean LOCTITE® SF 7063 (Fig. 10)

Article Number	Description	Content [ml]	Unit
WZ7063	Super Clean, LOCTITE® SF 7063	400	tin

Application: for the residue-free removal of insulating wax on all surfaces and for the cleaning of surfaces in preparation of the adhesion of materials.

Reinforcement Materials

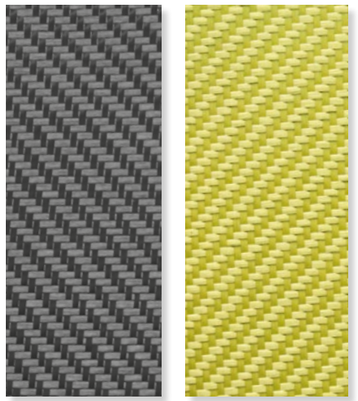


fig. 1

fig. 2

fig. 3

fig. 4

Fabrics (Fig. 1–2)

Article Number	Scope of Delivery	Material	Fibre Orientation	Structure	Length x Width [m]	Grammage [g/m2]	Unit
VP5202-10020	1 x fig. 1	carbon fibre	bidirectional	twill 2/2	2 x 1	204	Reel
VP5202-10050	1 x fig. 1	carbon fibre	bidirectional	twill 2/2	5 x 1	204	Reel
VP5221-10020	1 x fig. 2	aramid fibre	bidirectional	twill 2/2	2 x 1	170	Reel

Application:

Carbon fibre fabric: for producing laminated orthoses and for extensive reinforcements.

Aramid fibre fabric: 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)

for using with our adhesive transfer tape without backing material

Carbon Fibre Band (Fig. 3)

Article Number	Scope of Delivery	Fibre Orientation	Length [m]	Width [mm]	Grammage [g/m2]	Unit
VP4305-L1000	1 x fig. 3	unidirectional	10	50	250	reel
VP4305-L2000	1 x fig. 3	unidirectional	20	50	250	reel
VP4310-L1000	1 x fig. 3	unidirectional	10	100	250	reel
VP4310-L2000	1 x fig. 3	unidirectional	20	100	250	reel

Application: for producing laminated orthoses and for partial reinforcements.

PVA Film Tubes (Fig. 4)

Article Number	Scope of Delivery	Length x Width [cm]	Circumference [cm]	Film Thickness [mm]	Unit
KL9630	10 x fig. 4	100 x 15	30	0.1	package
KL9635	10 x fig. 4	100 x 18	35	0.1	package
KL9640	10 x fig. 4	100 x 20	40	0.1	package
KL9735	10 x fig. 4	130 x 18	35	0.1	package
KL9745	10 x fig. 4	130 x 23	45	0.1	package
KL9755	10 x fig. 4	130 x 28	55	0.1	package
KL9765	10 x fig. 4	130 x 33	65	0.1	package

Application: for lamination/prepreg technique

extra strong and tear-resistant

fig. 1

fig. 2

fig. 3

fig. 4

fig. 5

fig. 6

fig. 7

fig. 8

fig. 9

fig. 10

PVC Profile Cores (Fig. 1–5)

Article Number	Scope of Delivery	Length x Width x Thickness [cm]	Application for System Width [mm]	Unit
VP2012-L200	1 x fig. 1	200 x 0.9 x 0.3	10	piece
VP2021-L200	1 x fig. 2	200 x 1.2 x 0.3	12	piece
VP2022-L200	1 x fig. 3	200 x 1.3 x 0.3	14	piece
VP2032-L200	1 x fig. 4	200 x 1.5 x 0.3	16	piece
VP2033-L200	1 x fig. 5	200 x 1.9 x 0.4	20	piece

Application: for producing reinforcement profiles in laminates

Carbon-Fibre Braided Tubes (Fig. 6–7)

Article Number	Scope of Delivery	Length [m]	Width [mm]	Application for System Width [mm]	Unit
VP1033-L1000	1 x fig. 6	10	12	10, 12	reel
VP1034-L1000	1 x fig. 7	10	18	14, 16, 20	reel

Application: for producing reinforcement profiles in laminates

Reinforcing Carbon Fibre Braid with Honeycomb Core (Fig. 8–9)

Article Number	Scope of Delivery	Length x Width x Thickness [cm]	Unit
VP1226-L120	1 x fig. 8	120 x 1.4 x 0.7	piece
VP1237-L120	1 x fig. 9	120 x 1.6 x 0.9	piece

Application: for producing reinforcement profiles in laminates

Material Properties

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

Aramid Fibre Roving (Fig. 10)

Article Number	Scope of Delivery	Length [m]	Width [mm]	Grammage [g/m2]	Unit
VP3208-L2000	1 x fig. 10	20	14	805	reel

Application: for sewing system anchors and reinforcement profiles

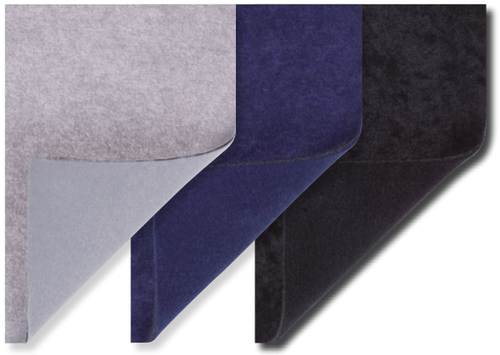


fig. 1 fig. 2 fig. 3

fig. 4

fig. 5

xDRY Towelling Padding Material (Fig. 1-3)

Fig.	Article Number	Description	Length x Width x Thickness [mm]	Unit
1	PL3687-02/4	xDRY towelling padding material, grey	1000 x 1400 x 4	sheet
2	PL3687-02/2	xDry towelling padding material, blue	1000 x 1400 x 4	sheet
3	PL3687-02/1	xDry towelling padding material, black	1000 x 1400 x 4	sheet

Colours are not true to the original due to two-colour-printing of the catalogue.

Application: for padding of orthoses

Material Properties:

exchangeable and soft padding material. The padding material has 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 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, Self-Adhesive, Transparent (Fig. 5)

Article Number	Scope of Delivery	Length x Width x Thickness [mm]	Unit
KV4050-L1000	1 x fig. 5	1000 x 50 x 1	band

Application: for fixing the towelling padding material into the orthosis

Material properties: 1mm thin micro hook tape

Hook Dots (Fig. 6)

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 attaching the towelling padding material to the orthosis

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

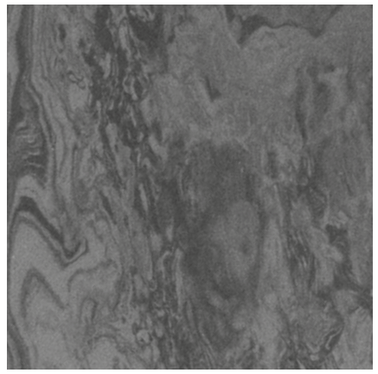


fig. 1

fig. 2

Padding Material for Orthoses, 30° Shore (Fig. 1)

Article Number	Scope of Delivery	Length x Width x Thickness [mm]	Unit
PL3887-04/1	1 x fig. 1	1050 x 900 x 4	sheet

Application: for padding 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.

Dummy for Padding Material for Orthoses, PE Foam, Blue (Fig. 2)

Article Number	Scope of Delivery	Length x Width x Thickness [mm]	Unit
PL3988-04/2	1 x fig. 2	1000 x 1000 x 4	sheet

Application: placeholder for the padding of the orthosis during production.

Material properties: thermoformable material which is adjusted to the FIOR & GENTZ production technique. Lamination dummies (e.g. for the production of NEURO MATIC/NEURO TRONIC orthoses) can be fixed on this material with fast-acting adhesive.

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.

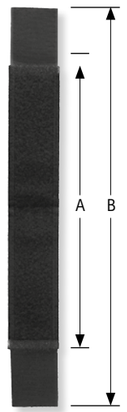


fig. 1

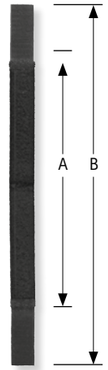


fig. 2

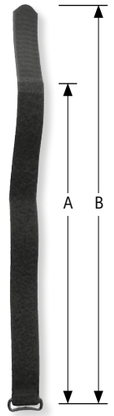


fig. 3

fig. 4

B = total length

A = length of hook and loop fastener

Hook and Loop Fastener, ca. 50mm Wide, Black (Fig. 1)				
Article Number	Scope of Delivery	Length of Hook and Loop Fastener A [mm]	Total Length B [mm]	Unit
KV1008-L420	1 x fig. 1	260	420	piece
KV1008-L550	1 x fig. 1	380	550	piece
KV1008-L650	1 x fig. 1	490	650	piece

Application: for the fixation of orthoses on the leg. The ca. 50mm wide hook and loop fastener is used as proximal thigh strap.
You can find appropriate loops for 50mm on catalogue page E10.10.

Hook and Loop Fastener, ca. 25mm Wide, Black (Fig. 2)				
Article Number	Scope of Delivery	Length of Hook and Loop Fastener A [mm]	Total Length B [mm]	Unit
KV1003-L380	1 x fig. 2	240	380	piece
KV1003-L440	1 x fig. 2	280	440	piece

Application: for the fixation of knee 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. You can find appropriate loops for 25mm on catalogue page E10.10.

Hook and Loop Fastener with Loop, ca. 25mm Wide, Black (Fig. 3)					
Article Number	Scope of Delivery	Length of Hook and Loop Fastener A [mm]	Total Length B [mm]	Circumference* [cm]	Unit
KV1004-L450	1 x fig. 3	370	450	33-36	piece
KV1004-L500	1 x fig. 3	420	500	37-40	piece
KV1004-L550	1 x fig. 3	470	550	41-44	piece

Hook and Loop Fastener with Loop, Strap Pad and Holder, ca. 25mm Wide, Black (Fig. 4)					
Article Number	Scope of Delivery	Length of Hook and Loop Fastener A [mm]	Total Length B [mm]	Circumference* [cm]	Unit
KV2004-L450	1 x fig. 4	370	450	33-36	piece
KV2004-L500	1 x fig. 4	420	500	37-40	piece
KV2004-L550	1 x fig. 4	470	550	41-44	piece

* measured at the highest point of the calf

Application: the hook and loop fastener with loop is used, among other things, as a calf strap.

fig. 1

fig. 2

fig. 3

fig. 4

Loops for 25mm Hook and Loop Fastener, Plastic, Black (Fig. 1)			
Article Number	Scope of Delivery	Width [mm]	Unit
US1000	4 x fig. 1	25	pack
US1001	20 x fig. 1	25	pack
US1002	50 x fig. 1	25	pack

Loops for 50mm Hook and Loop Fastener, Plastic, Black (Fig. 2)			
Article Number	Scope of Delivery	Width [mm]	Unit
US1100	4 x fig. 2	50	pack
US1101	20 x fig. 2	50	pack
US1102	50 x fig. 2	50	pack

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

Strap Pad Made of Padding Material, Black, 50mm Wide (Fig. 3)				
Article Number	Scope of Delivery	Length [mm]	Article Number of the Appropriate Strap pad Holder	Unit
GP1000-L090	1 x fig. 3	90	GP1201-L070	piece
GP1000-L130	1 x fig. 3	130	GP1201-L100	piece
GP1000-L170	1 x fig. 3	170	GP1201-L130	piece
GP1000-L205	1 x fig. 3	205	-	piece
GP1000-L240	1 x fig. 3	240	-	piece
GP1000-L275	1 x fig. 3	275	-	piece

Application: for cushioning the hook and loop fastener that contacts the skin
Material properties: exchangeable, elastic and breathable padding material with a skin-friendly, non-slip coating on one side and a soft coating on the reverse side. Hooks can be fastened to the soft coating side of the material.

Holder for Strap Pad with Hook Dots, Black, 50mm Wide (Fig. 4)				
Article Number	Scope of delivery	Length [mm]	Article Number of the Appropriate Strap Pad	Unit
GP1201-L070	1 x fig. 4	70	GP1000-L090	piece
GP1201-L100	1 x fig. 4	100	GP1000-L130	piece
GP1201-L130	1 x fig. 4	130	GP1000-L170	piece

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

Cloth Bags for Orthoses

fig. 1

fig. 2

fig. 3

fig. 4

Cloth Bags for Orthoses, Blue (Fig. 1–4)			
Article number	Scope of delivery	Length x Width [cm]	Unit
OB1000-S	1 x fig. 1	40 x 30	piece
OB1000-M	1 x fig. 2	70 x 35	piece
OB1000-L	1 x fig. 3	90 x 35	piece
OB1000-XL	1 x fig. 4	120 x 40	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.

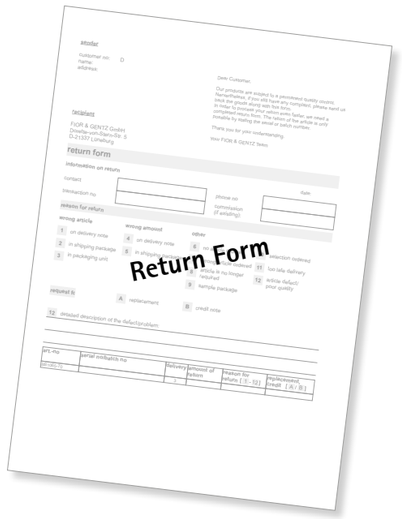
Ironing: at 180-200°C with steam or with a damp cloth.

For returns, please send us the following:

1. goods in original packing including bar code label;
2. delivery note (copy);
3. completed return form;
4. control sheet;
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.

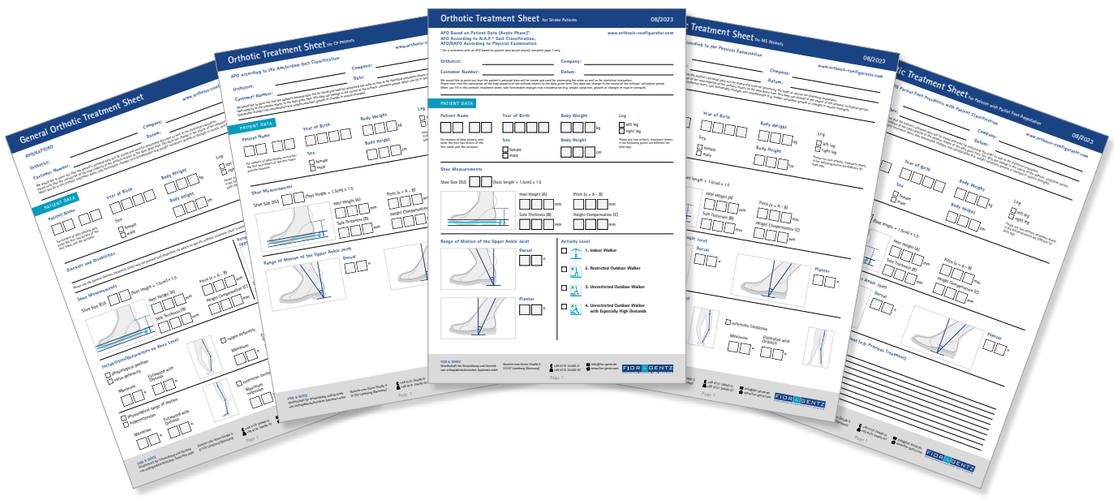
Return Form (PR9045-DE/GB)



Control Sheet (PB0004)

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

General Orthotic Treatment Sheet (PR9050-GB)	Orthotic Treatment Sheet for CP Patients (PR9051-GB)	Orthotic Treatment Sheet for Stroke Patients (PR9053-GB)	Orthotic Treatment Sheet for MS Patients (PR9055-GB)	Orthotic Treatment Sheet for Patients with Partial Foot Amputation (PR9056-GB)



You can download the current orthotic treatment sheets in the download section at www.fior-gentz.com or order them with the corresponding article number.

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Orthosis Configurator

KT2200-GB-08-2022

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