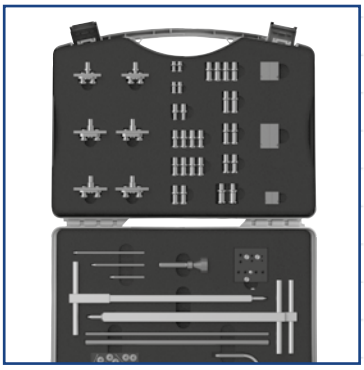
FIOR & GENTZ Tools



Catalogue Pages of the Tools	
Section	Page
Making the Negative Cast	K2
Positioning the Pivot Points	K3
Tools for the Parallel Alignment of the System Ankle Joints and Tools' Assignment	K5
Tools for the Parallel Alignment of the System Knee Joints/Articulated System Side Bars and Tools' Assignment	K7
Spare Parts for the Tools	K9
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Tool Case	K13

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.

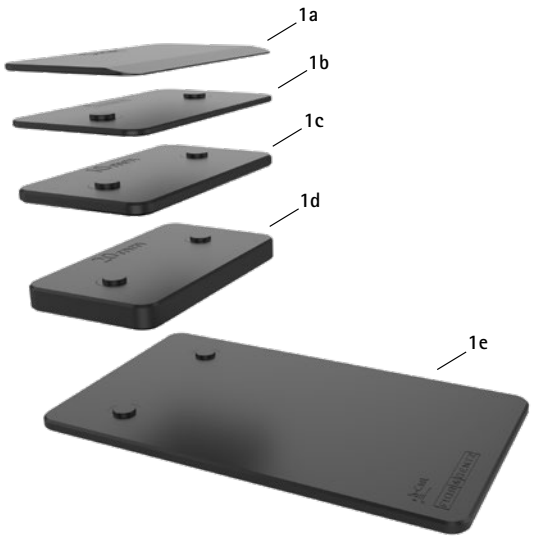
e-Cast in a Case		
Fig.	Article Number	Description
2	WE3400	e-Cast in a case
2a	ET3400-T	operator device
2b	ET3410-WE	sensor for the thigh
2c	ET3420-WE	sensor for the lower leg
2d	ET3430-WE	sensor for the foot
2e	WZ2067-T08	screwdriver, hexalobular socket, T8 x 60mm
2f	ET0710	cable
2g	ET0780	adapter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

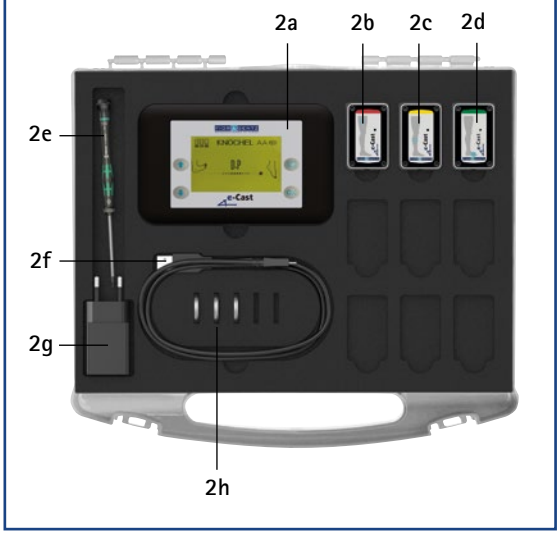
Application: for checking the joint angles during the making of the negative cast

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)



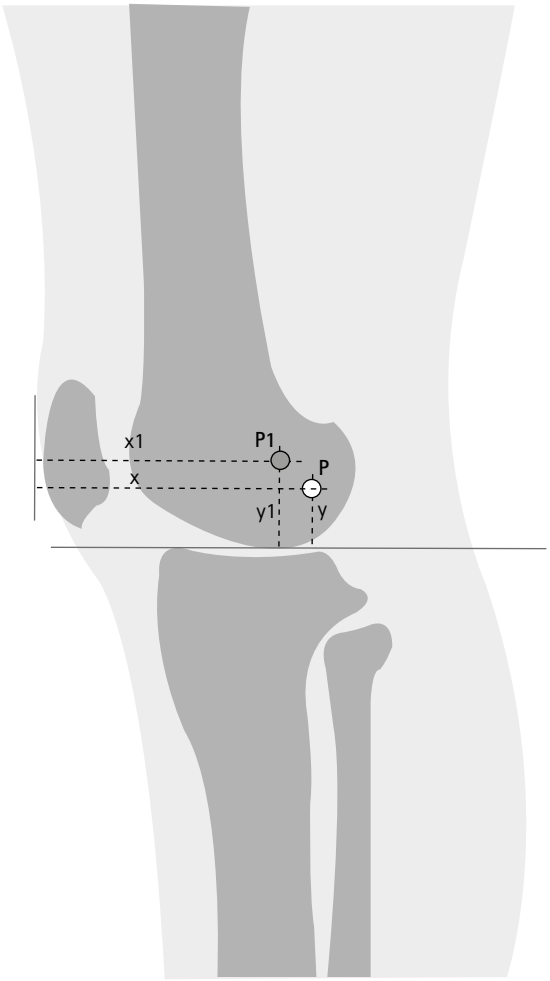
Positioning the Pivot Points

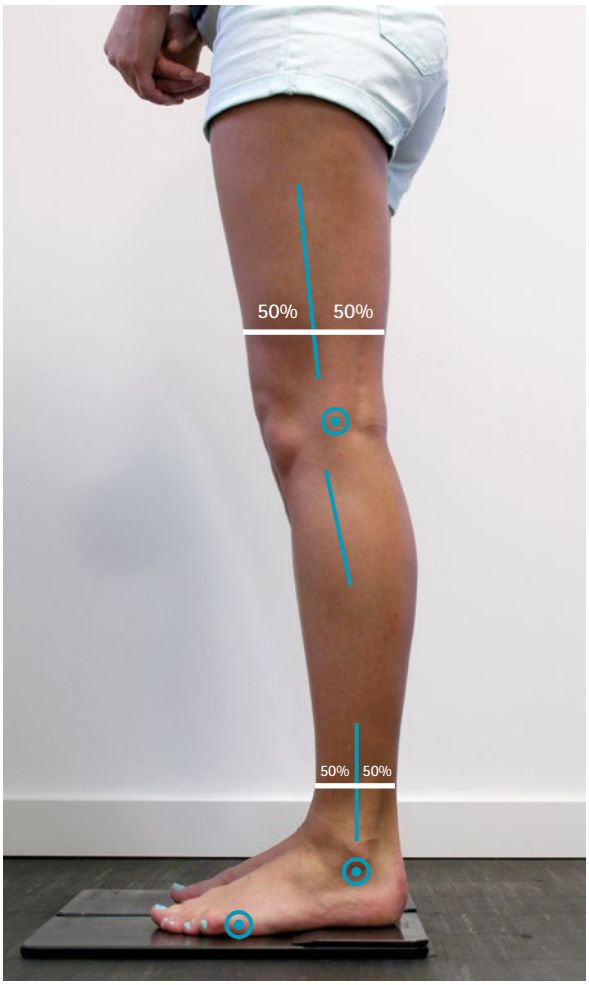
Knee joint: the position of the mechanical pivot point at **knee height** is calculated by the Orthosis Configurator using the ap measurement.

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 placing 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 J4) is pierced through this 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 individual 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- and hip-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 also has to lie further down.



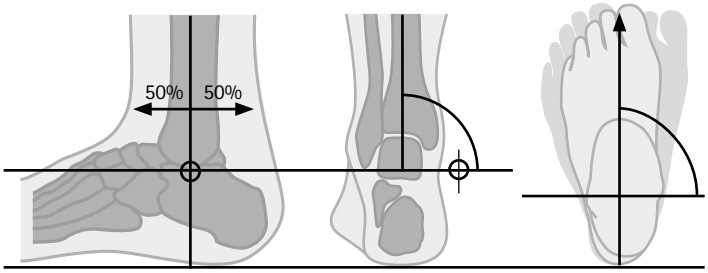


P1 = anatomical compromise pivot point
P = mechanical pivot point

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

Orthosis Configurator

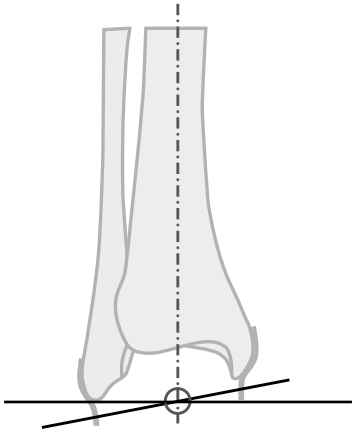
Ankle joint: correct positioning of the mechanical pivot point at **ankle height** according to the study of Isman/Inman*



The mechanical axis is positioned in the frontal plane at the same level as the distal end of the fibula. The mechanical axis at ankle height is aligned to the centre of the lower leg and is parallel to the ground and perpendicular to the direction of movement under consideration of the individual external rotation.

mechanical pivot point

* Isman RE, Inman VT (1969): Anthropometric Studies of the Human Foot and Ankle. Biomechanics Laboratory University of California.



anatomical axis at ankle height in the frontal plane (Isman and Inman, 1969)

In the recommended position, the mechanical axis intersects all of the functional axes (anatomical axis at ankle height and tibial longitudinal axis). Unintentional shifting of the orthosis and additional load on the ligamentous apparatus are kept to a minimum through the compromise axis. Depending on the footwear, it may be necessary to position the pivot point higher. This can lead to an impaired function of the mechanical joint due to the resulting movement of the orthosis.

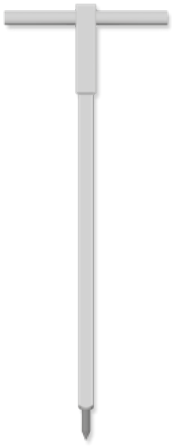


fig. 1

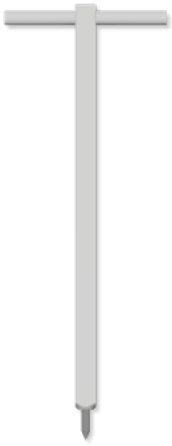


fig. 2

alignment aids in use

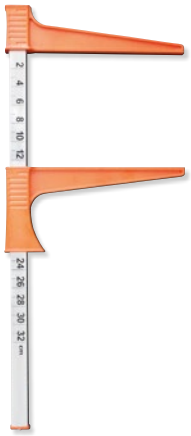


fig. 3

fig. 4

Alignment Aid (Fig. 1-2)			
Fig.	Article Number	Description	Unit
1	JA1001	alignment aid 11 x 11 x 300mm for 10 and 12mm system ankle joints	piece
2	JA1000	alignment aid 15 x 15 x 300mm for all 14, 16, 20 and 24mm 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 and serves as a placeholder for the holder (see catalogue page K5ff.).

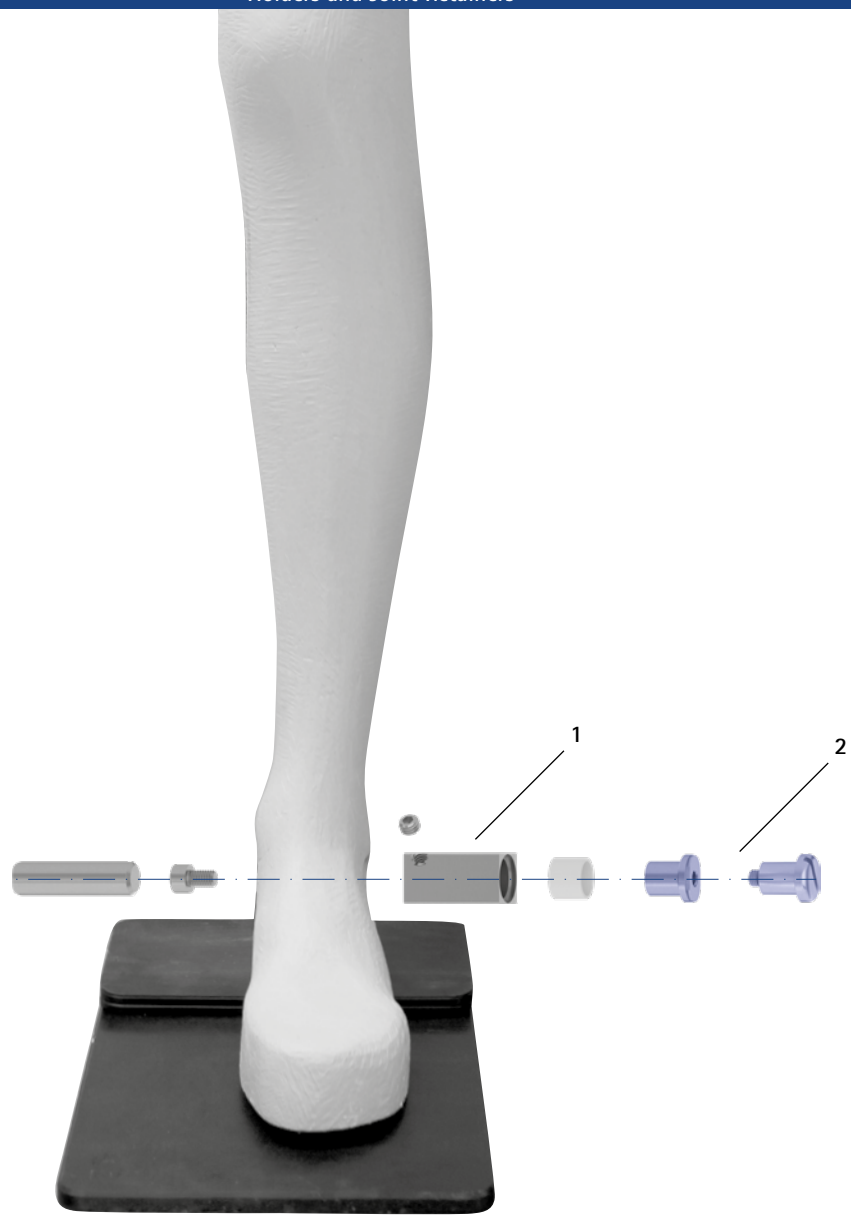
Calliper (Fig. 3)			
Fig.	Article Number	Description	Unit
3	WZ3000-32	calliper, measurement range 0-320mm	piece

Application: to determine the ap measurement at knee height

Outside Calliper (Fig. 4)			
Fig.	Article Number	Description	Unit
4	WZ3001-02	outside calliper	piece

Application: to determine the shoe sole thickness

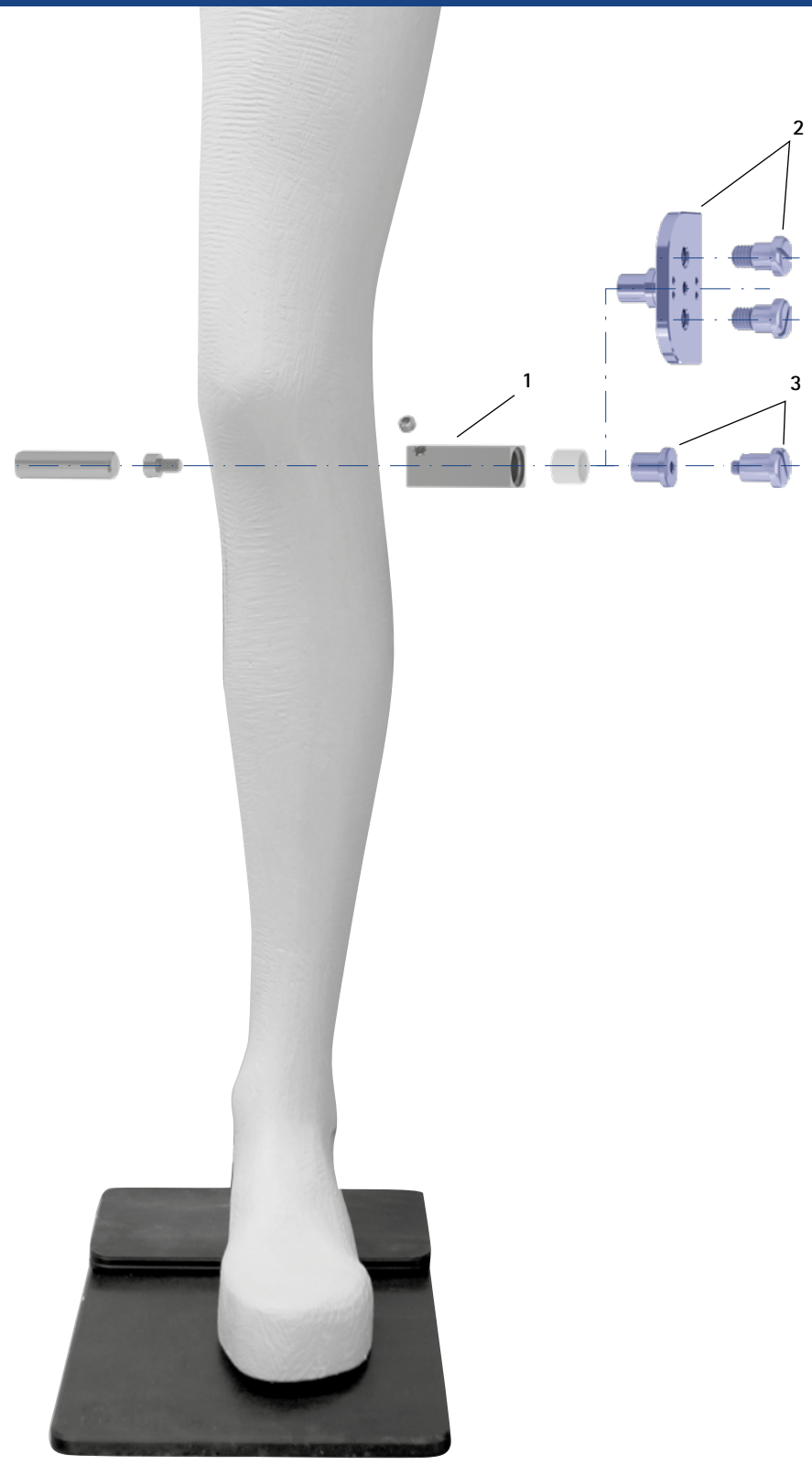
Holders and Joint Retainers



Holders and Joint Retainers

System Ankle Joints	Tools	Article Numbers for System Width					
		10mm	12mm	14mm	16mm	20mm	24 mm
NEURO CLASSIC	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	-
NEURO CLASSIC H_2O	holder (1)	-	-	-	PE4000-LR	-	-
	joint retainer (2)	-	-	-	PE1025-LR	-	-
NEURO CLASSIC-SPRING	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	-
NEURO CLASSIC-SWING	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	-
NEURO VARIO-CLASSIC	holder (1)	-	-	PE4000-LR	PE4000-LR	PE4000-LR	-
	joint retainer (2)	-	-	PE1012-LR	PE1013-LR	PE1025-LR	-
NEURO VARIO-CLASSIC 2	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	-
NEURO VARIO	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	-
NEURO VARIO 2	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	-
NEURO VARIO-SPRING	holder (1)	-	-	PE4000-LR	PE4000-LR	PE4000-LR	-
	joint retainer (2)	-	-	PE1012-LR	PE1013-LR	PE1025-LR	-
NEURO VARIO-SPRING 2	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	-
NEURO VARIO-SWING	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	-
NEURO SWING-CLASSIC	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	-
NEURO SWING	holder (1)	PE1001-LR	PE1001-LR	PE4000-LR	PE4000-LR	PE4000-LR	PE4000-LR
	joint retainer (2)	PE1010-01/LR	PE1011-01/LR	PE1012-LR	PE1013-LR	PE1025-LR	PE1127-LR
NEURO SWING 2	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	-
NEURO HISWING	holder (1)	-	-	-	-	PE4000-LR	-
	joint retainer (2)	-	-	-	-	PE1025-LR	-
NEURO SWING H_2O	holder (1)	-	PE1001-LR	PE4000-LR	PE4000-LR	PE4000-LR	-
	joint retainer (2)	-	PE1011-01/LR	PE1012-LR	PE1025-LR	PE1025-LR	-

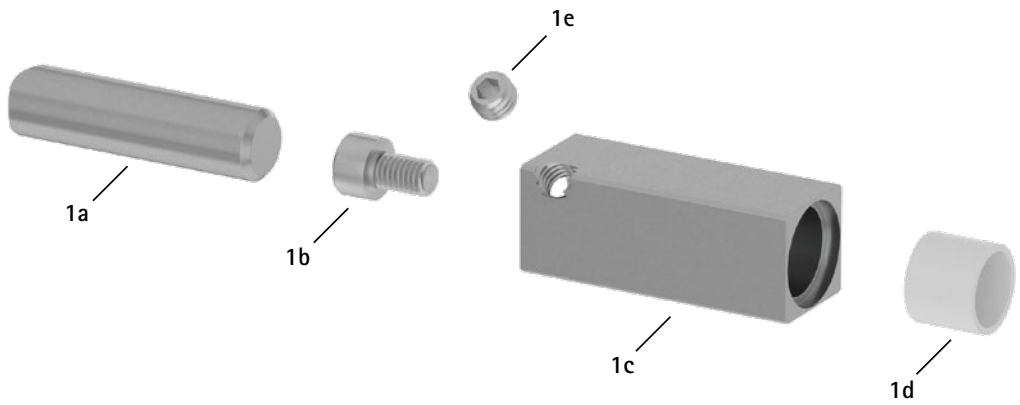
Holders and Joint Retainers



Holders and Joint Retainers

System Knee Joints and Articulated System Side Bars	Tools	Article Numbers for System Width				
		10mm	12mm	14mm	16mm	20mm
NEURO CLASSIC zero	holder (1)	-	PE2000-LR	PE2000-LR	PE2000-LR	PE2000-LR
	joint retainer (3)	-	PE1012-LR	PE1013-LR	PE1025-LR	PE1025-LR
NEURO VARIO zero	holder (1)	-	PE2000-LR	PE2000-LR	PE2000-LR	PE2000-LR
	joint retainer (3)	-	PE1012-LR	PE1013-LR	PE1025-LR	PE1025-LR
NEURO CLASSIC	holder (1)	-	PE2000-LR	PE2000-LR	PE2000-LR	PE2000-LR
	joint retainer (3)	-	PE1012-LR	PE1013-LR	PE1025-LR	PE1025-LR
NEURO VARIO	holder (1)	-	PE2000-LR	PE2000-LR	PE2000-LR	PE2000-LR
	joint retainer (3)	-	PE1012-LR	PE1013-LR	PE1025-LR	PE1025-LR
NEURO VARIO 2	holder (1)	-	PE2000-LR	PE2000-LR	PE2000-LR	PE2000-LR
	joint retainer (3)	-	PE1012-LR	PE1013-LR	PE1025-LR	PE1025-LR
NEURO VARIO-SWING	holder (1)	-	PE2000-LR	PE2000-LR	PE2000-LR	PE2000-LR
	joint retainer (3)	-	PE1012-LR	PE1013-LR	PE1025-LR	PE1025-LR
NEURO ACTIVE	holder (1)	PE2000-LR	-	PE2000-LR	PE2000-LR	PE2000-LR
	joint retainer (2)	PZ4100-LR	-	PZ4100-LR	PZ3100-LR	PZ3100-LR
NEURO CLASSIC H2O	holder (1)	-	-	PE2000-LR	PE2000-LR	PE2000-LR
	joint retainer (3)	-	-	PE1012-LR	PE1122-LR	PE1123-LR
NEURO MATIC	holder (1)	-	-	-	PE2000-LR	PE2000-LR
	joint retainer (3)	-	-	-	PE1015-LR	PE1025-LR
NEURO TRONIC	holder (1)	-	-	-	PE2000-LR	PE2000-LR
	joint retainer (3)	-	-	-	PE1015-LR	PE1025-LR
NEURO HiTRONIC	holder (1)	-	-	-	-	PE2000-LR
	joint retainer (3)	-	-	-	-	PE1025-LR
NEURO LOCK	holder (1)	-	-	PE2000-LR	PE2000-LR	PE2000-LR
	joint retainer (3)	-	-	PE1012-LR	PE1013-LR	PE1015-LR
NEURO LOCK MAX	holder (1)	-	PE2000-LR	PE2000-LR	PE2000-LR	PE2000-LR
	joint retainer (3)	-	PE1121-LR	PE1122-LR	PE1123-LR	PE1125-LR
NEURO FLEX MAX Lock Function	holder (1)	-	PE2000-LR	PE2000-LR	PE2000-LR	PE2000-LR
	joint retainer (3)	-	PE1121-LR	PE1122-LR	PE1123-LR	PE1125-LR
NEURO FLEX MAX Step Lock Function	holder (1)	-	PE2000-LR	PE2000-LR	PE2000-LR	PE2000-LR
	joint retainer (3)	-	PE1121-LR	PE1122-LR	PE1123-LR	PE1125-LR
NEURO LOCK H2O	holder (1)	-	-	PE2000-LR	PE2000-LR	PE2000-LR
	joint retainer (3)	-	-	PE1012-LR	PE1122-LR	PE1123-LR

Holder (Fig. 1)		
PE1001-LR	PE2000-LR	PE4000-LR



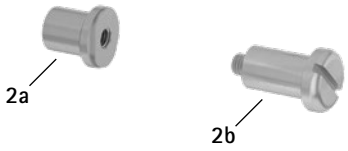
Holder (Fig. 1)

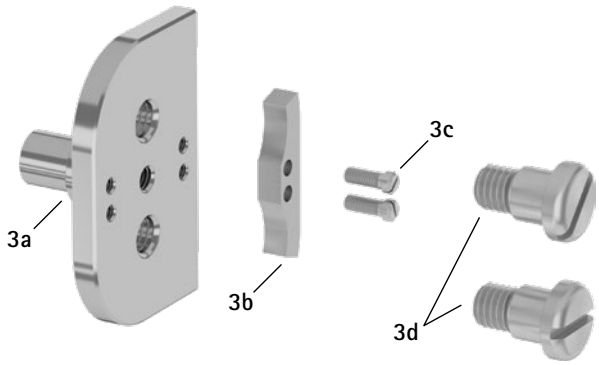
Tool	Fig.	Description	Article Number	Quantity
PE1001-LR	1a	round material, aluminium	RM0050-AL060	1
	1b	slotted pan head screw	SC2104-L04	1
	1c	square: 11 x 11 x 20mm	PE0102-02	1
	1d	polyamide bushing	BP0908-L05	1
	1e	headless pin with hexagon socket	SC9604-L04	1
PE2000-LR	1a	round material, aluminium	RM0120-AL100	1
	1b	cheese head screw with hexagon socket	SC4005-L08	1
	1c	square: 15 x 15 x 40mm	PE0102-01	1
	1d	polyamide bushing	BP1210-L10	1
	1e	headless pin with hexagon socket	SC9606-L04ST	1
PE4000-LR	1a	round material, aluminium	RM0080-AL100	1
	1b	cheese head screw with hexagon socket	SC4005-L08	1
	1c	square: 15 x 15 x 30mm	PE0102-00	1
	1d	polyamide bushing	BP1210-L10	1
	1e	headless pin with hexagon socket	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)					Joint Retainers for NEURO ACTIVE System Joints/Articulated System Side Bars (Fig. 3)	
PE1010-01/LR	PE1011-01/LR	PE1012-LR	PE1013-LR	PE1015-LR	PZ3100-LR	PZ4100-LR
PE1025-LR	PE1121-LR	PE1122-LR	PE1123-LR	PE1125-LR		
PE1127-LR						





Joint Retainers for Monocentric System Joints (Fig. 2)

Tool	Fig.	Scope of Delivery	Article Number	Quantity
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
PE1127-LR	2a	joint retainer	PE0102-12	1
	2b	retaining screw	SC4035-L18	1

Joint Retainers for NEURO ACTIVE System Joints/Articulated System Side Bars (Fig. 3)

Tool	Fig.	Scope of Delivery	Article Number	Quantity
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
	w/o fig.	0° flexion stop	KS9402-F000	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

Fig. 5

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 VARIO-SPRING system ankle joints, 16 and 20mm system width	piece

Application: for an easier tensioning of the functional unit's pressure spring when assembling the NEURO VARIO-SPRING system ankle joint

Sliding Washer Centring Pin (Fig. 4)

Article Number	Description	Unit
WE5500	sliding washer centring pin for NEURO SWING Carbon system ankle joint, NEURO CLASSIC Carbon system ankle joint, NEURO LOCK Carbon and NEURO CLASSIC Carbon system knee joints	piece

Application: for positioning the sliding washers when assembling the NEURO SWING Carbon system ankle joint, NEURO CLASSIC Carbon system ankle joint, the NEURO LOCK Carbon and NEURO CLASSIC Carbon system knee joints

Assembly/Lamination Dummy for System Stirrup (Fig. 5)

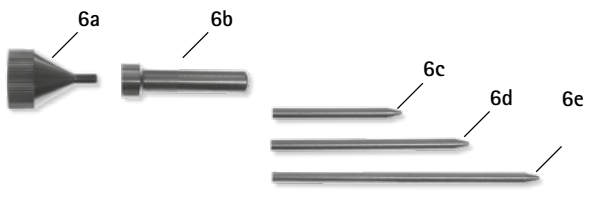
Article Number for System Width			Description	Unit
14mm	16mm	20mm		
SF0912-1	SF0913-1	SF0915-1	assembly/lamination dummy for system stirrup	piece

Application: for positioning the system stirrup when making a new foot piece or when replacing the system stirrup. Due to the assembly/lamination dummy replacing the joint's upper part, there is no need to produce a new orthosis.

Parallel Alignment Gauge

Fig.	Article Number	Description
6	PS1000	parallel alignment gauge
6a	PS0102	centering screw
6b	PS0101	guide bushing
6c	PS0100-L060	aligning pin, length: 60mm
6d	PS0100-L090	aligning pin, length: 90mm
6e	PS0100-L120	aligning pin, length: 120mm

Parallel Alignment Gauge (Fig. 6)



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

Fig. 7 Fig. 8 Fig. 9 Fig. 10 Fig. 11 Fig. 12 Fig. 13 Fig. 14 Fig. 15 Fig. 16 Fig. 17

Drilling Jig (Fig. 7)

Article Number	Description	Unit
BS1000	drilling jig for all system widths	piece

Application: for precisely drilling holes in the system side bars of all system widths (for system side bars see catalogue page J1)

Easy Cutter (Fig. 8)

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: for precisely cutting curves and straight cuts into technical and synthetic as well as natural materials (for materials see catalogue page L1ff.)

Hexalobular Screwdriver (Fig. 9–15)

Fig.	Article Number	Description	Unit
9	WZ5114-T06	hexalobular screwdriver, T-handle, T6	piece
10	WZ5114-T08	hexalobular screwdriver, T-handle, T8	piece
11	WZ5114-T10	hexalobular screwdriver, T-handle, T10	piece
12	WZ5114-T15	hexalobular screwdriver, T-handle, T15	piece
13	WZ5114-T20	hexalobular screwdriver, T-handle, T20	piece
14	WZ5114-T25	hexalobular screwdriver, T-handle, T25	piece
15	WZ5114-T30	Innensechsrundschlüssel, T-Griff, T30	piece

Application: for screwing and unscrewing hexalobular socket screws

Alignment Hexagonal Screwdriver with Spherical Head (Fig. 16–17)

Fig.	Article Number	Description	Unit
16	WZ5112-3010	hexagonal screwdriver with spherical head, 3 x 100mm	piece
16	WZ5112-4010	hexagonal screwdriver with spherical head, 4 x 100mm	piece
17	WZ5112-5010	hexagonal screwdriver with spherical head, 5 x 100mm	piece

Application: for screwing and unscrewing the alignment screw

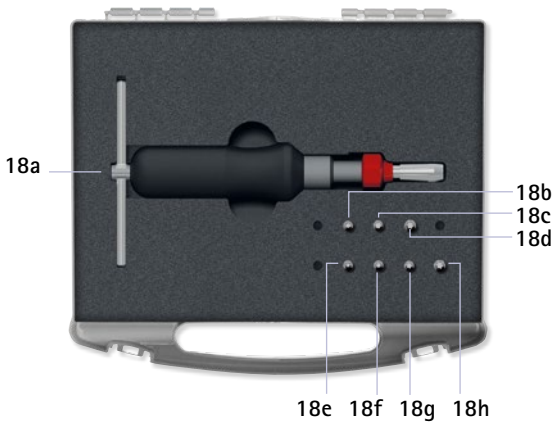
Torque Screwdriver in a Case

Fig.	Article Number	Description
18	WZ5500	torque screwdriver in a case with 7 bits
18a	-	torque screwdriver, 1-6Nm
18b	WZ5600-I30	bit, hexagon socket, 3mm, 25mm long, for M5 screws
18c	WZ5600-I40	bit, hexagon socket, 4mm, 25mm long, for M6 screws
18d	WZ5604-T10	bit, hexalobular socket, TX10, 25mm long, for M3 screws and for pressing screw* 10mm
18e	WZ5604-T15	bit, hexalobular socket, TX15, 25mm long, for M4 screws
18f	WZ5604-T20	bit, hexalobular socket, TX20, 25mm long, for M5/M6 screws and for pressing screw* 12mm
18g	WZ5604-T25	bit, hexalobular socket, TX25, 25mm long, only for pressing screw* 14/16/20mm
18h	WZ5604-T30	bit, hexalobular socket, TX25, 25mm long, for M6 screws

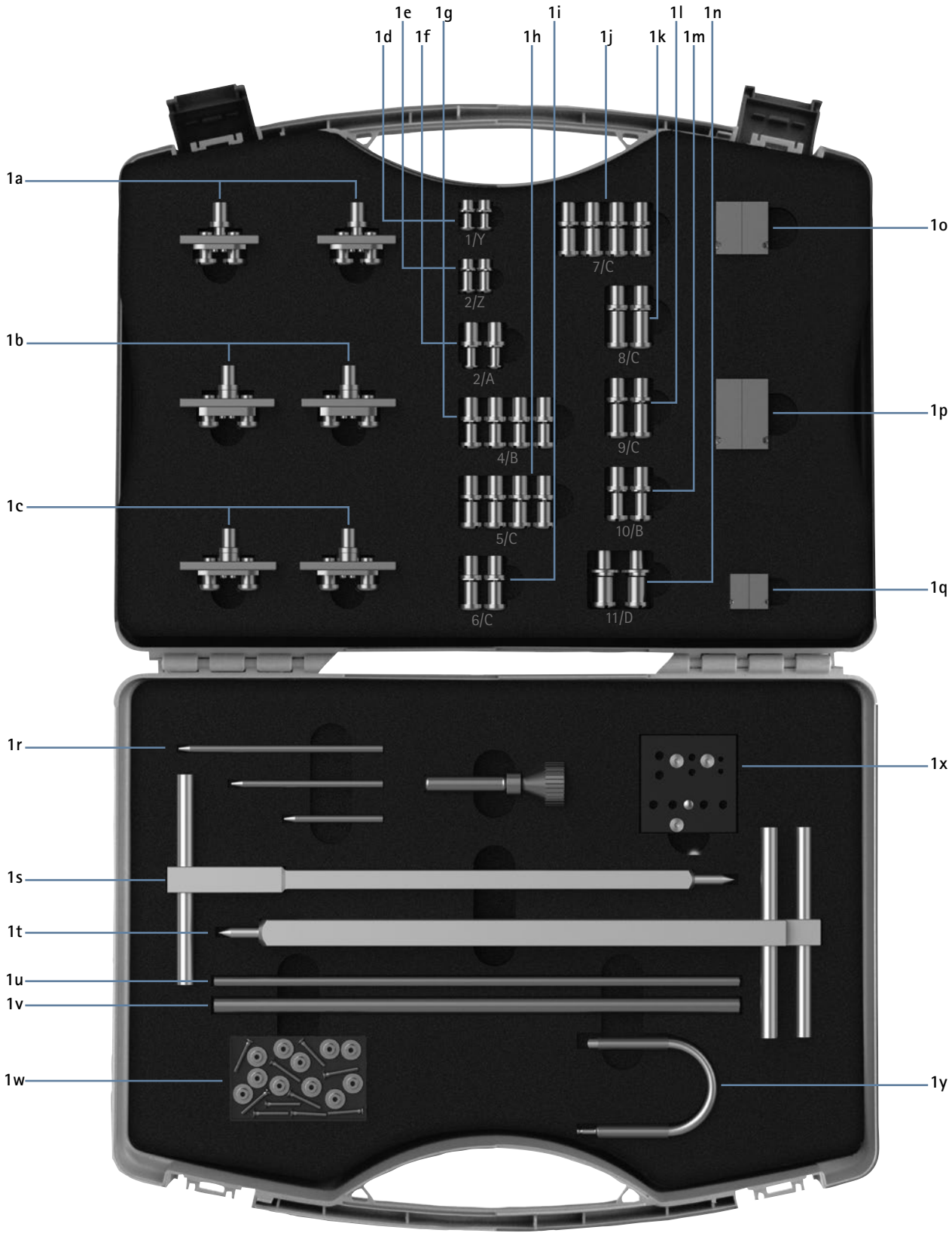
* NEURO CLASSIC-SPRING, NEURO CLASSIC-SWING, NEURO VARIO-CLASSIC 2, NEURO VARIO 2, NEURO VARIO-SPRING 2, NEURO VARIO-SWING, NEURO SWING-CLASSIC, NEURO SWING, NEURO SWING 2 and NEURO HiSWING

Application: for tightening screws with a defined torque

Torque Screwdriver in a Case (Fig. 18)



Tool Case (Fig. 1)



Tool Case				
Fig.	Art.-No.	Description	Quantity	Catalogue Page
1	WK1000	tool case complete, filled with tools	1	K13
-	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	K10 -
1b	PZ3100-LR	joint retainers for 16 and 20mm NEURO ACTIVE system joints/articulated system side bars	2	K10
1c	PZ2100-LR	joint retainers for articulated side bars with gear segments, 22mm centre distance	2	-
1d	PE1010-01/LR	joint retainers for all 10mm system ankle joints (laser marking: 1/Y)	2	K10
1e	PE1011-01/LR	joint retainers for all 12mm system ankle joints (laser marking: 2/Z)	2	
1f	PE1121-LR	joint retainers for 12mm NEURO FLEX MAX and NEURO LOCK MAX (laser marking: 2/A)	2	
1g	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 and NEURO LOCK Carbon (laser marking: 4/B)	4	
1h	PE1013-LR	joint retainers for all 16mm system ankle joints, excluding 16mm NEURO SWING Carbon and NEURO CLASSIC 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	
1i	PE1015-LR	joint retainers for 16mm NEURO MATIC and NEURO TRONIC as well as 20mm NEURO LOCK (laser marking: 6/C)	2	
1j	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	
1k	PE1125-LR	joint retainers for 20mm NEURO FLEX MAX and NEURO LOCK MAX (laser marking: 8/C)	2	
1l	PE1123-LR	joint retainers for 16mm NEURO FLEX MAX and NEURO LOCK MAX as well as 20mm NEURO LOCK Carbon and NEURO CLASSIC Carbon (laser marking: 9/C)	2	
1m	PE1122-LR	joint retainers for 14mm NEURO FLEX MAX and NEURO LOCK MAX as well as 16mm NEURO CLASSIC Carbon and NEURO LOCK Carbon (laser marking: 10/B)	2	
1n	PE1127-LR	joint retainers for 24mm NEURO SWING (laser marking: 11/D)	2	
1o	PE4000-LR	holder, model technique, square: 15 x 15 x 30mm for all 14, 16, 20 und 24mm system ankle joints	2	K9
1p	PE2000-LR	holder, model technique, square: 15 x 15 x 40mm for all system knee joints	2	
1q	PE1001-LR	holder, model technique, square: 11 x 11 x 20mm for all 10 and 12mm system ankle joints	2	
1r	PS1000	parallel alignment gauge	1	K11
1s	JA1001	alignment aid 11 x 11 x 300mm for 10 and 12mm system ankle joints	1	K4
1t	JA1000	alignment aid 15 x 15 x 300mm for all 14, 16, 20 and 24mm system ankle/system knee joints as well as for 12mm system knee joints	2	
1u	RM0300-AL060	round material, aluminium, 6 x 300mm	1	K9
1v	RM0300-AL100	round material, aluminium, 10 x 300mm	1	
1w	PS2000-010	bolts for trial with knurled nut	10	K11
1x	BS1000	drilling jig	1	K12
1y	WE9303-SF	assembly aid for cover plate for system ankle joints with dorsiflexion assist, 16 and 20mm system width	1	K11

* 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 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.