

NEURO VARIO-CLASSIC

NEURO VARIO-CLASSIC 2

NEURO VARIO

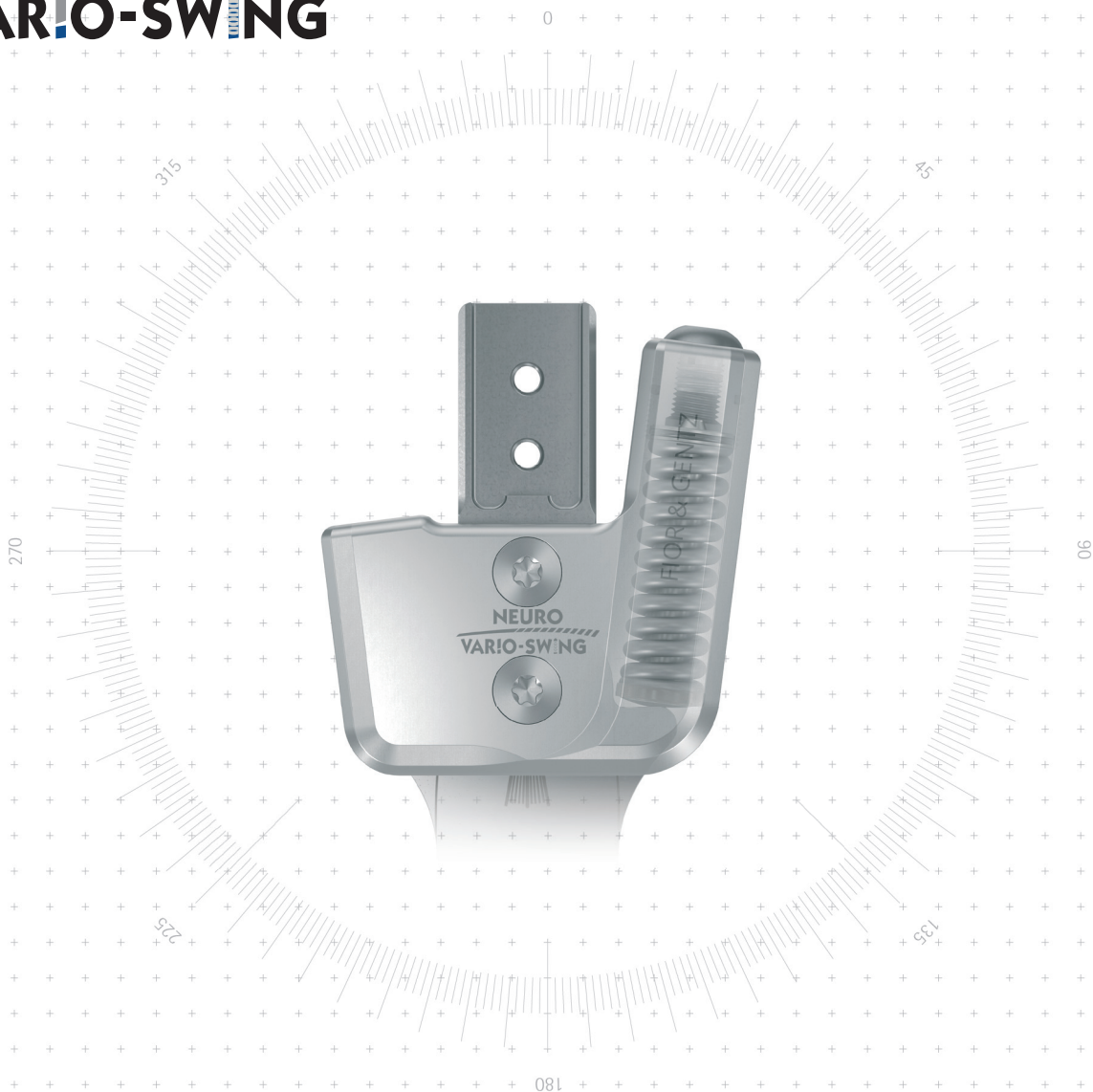
NEURO VARIO 2

NEURO VARIO-SPRING

NEURO VARIO-SPRING 2

NEURO VARIO-SWING

NEURO VARIO-SWING



	Dorsiflexion Stop	Plantar Flexion Stop
Main Function	 static	 dynamic (with dorsiflexion assist)
Adjustment Options	adjustable	adjustable, variable spring force by exchanging the spring unit
Other Functions		static by adjusting the motion limiting screw

The NEURO VARIO-SWING system ankle joint comes with an integrated noise reduction.

plug+go
MODULARITY

The NEURO VARIO-SWING system ankle joint is convertible to the NEURO VARIO-CLASSIC 2, NEURO VARIO 2, NEURO VARIO-SPRING 2, NEURO SWING and the NEURO SWING 2 system ankle joint by exchanging the functional unit.



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System Ankle Joints NEURO VARIO-SWING

NEURO VARIO-CLASSIC

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Joint Dimensions [mm]

Dimension	Description	System Width a				
		10mm	12mm	14mm	16mm	20mm
b	joint head width	37	45	54	63	73
c	joint height	40	50	62.5	68.5	75
	joint head thickness	10.5	12	14	17	20

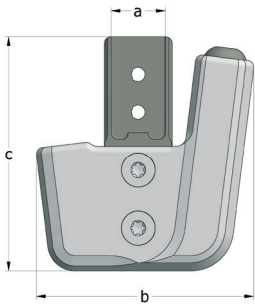
NEURO VARIO 2

Joint Weights* [g]

Material	Unit	System Width				
		10mm	12mm	14mm	16mm	20mm
steel	piece	31	52	84.5	125	177
titanium	piece	-	43	70.5	106	147

* without spring unit

NEURO VARIO-SPRING



NEURO VARIO-SPRING 2

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

- cover plate pressing aid
- AGOMET® F330, 5g
- assembly/lamination dummy

NEURO VARIO-SWING

- ➔ Spring units, shaping dummy, system stirrups and system side bars/anchors have to be ordered separately.
- ➔ You will find spring units on catalogue page B70.7.
- ➔ You will find the shaping dummy on catalogue page B70.8.
- ➔ You will find system stirrups on catalogue page B70.9f.
- ➔ You will find system side bars/anchors on catalogue page I1ff.



straight
fig. 1



bent inwards
fig. 2



bent outwards
fig. 3

Straight (Fig. 1)

Material	Leg Side	Unit	Article Number for System Width				
			10mm	12mm	14mm	16mm	20mm
steel	left lateral or right medial	piece	SH4200-L/ST	SH4201-L/ST	SH4202-L/ST	SH4203-L/ST	SH4205-L/ST
	left medial or right lateral	piece	SH4200-R/ST	SH4201-R/ST	SH4202-R/ST	SH4203-R/ST	SH4205-R/ST
titanium	left lateral or right medial	piece	-	SH4201-L/TI	SH4202-L/TI	SH4203-L/TI	SH4205-L/TI
	left medial or right lateral	piece	-	SH4201-R/TI	SH4202-R/TI	SH4203-R/TI	SH4205-R/TI

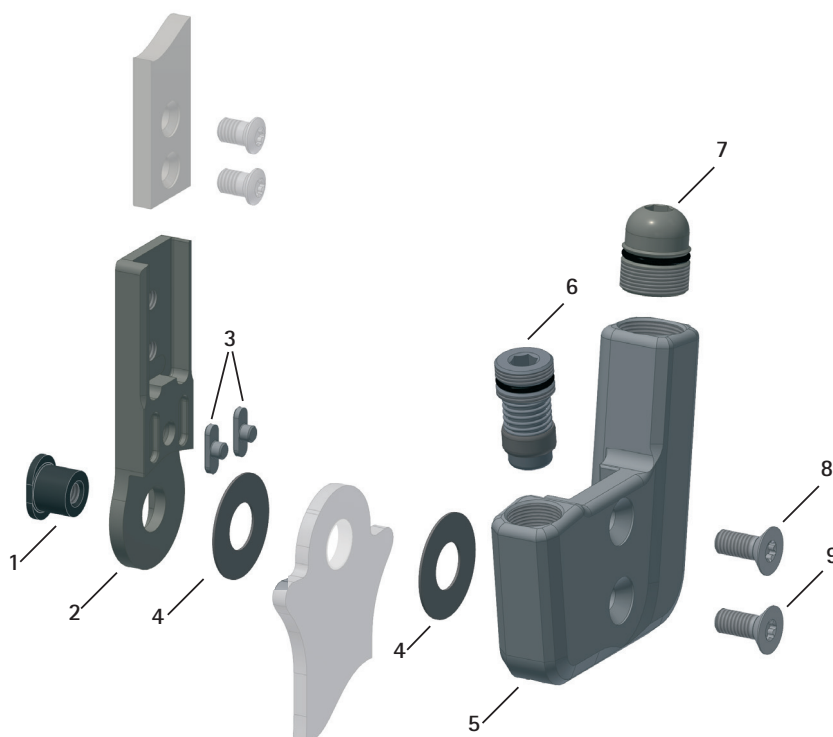
Bent Inwards (Fig. 2)

Material	Leg Side	Unit	Article Number for System Width				
			10mm	12mm	14mm	16mm	20mm
steel	left lateral or right medial	piece	SH4220-L/ST	SH4221-L/ST	SH4222-L/ST	SH4223-L/ST	SH4225-L/ST
	left medial or right lateral	piece	SH4220-R/ST	SH4221-R/ST	SH4222-R/ST	SH4223-R/ST	SH4225-R/ST
titanium	left lateral or right medial	piece	-	SH4221-L/TI	SH4222-L/TI	SH4223-L/TI	SH4225-L/TI
	left medial or right lateral	piece	-	SH4221-R/TI	SH4222-R/TI	SH4223-R/TI	SH4225-R/TI

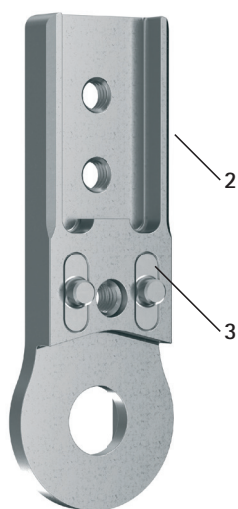
Bent Outwards (Fig. 3)

Material	Leg Side	Unit	Article Number for System Width				
			10mm	12mm	14mm	16mm	20mm
steel	left lateral or right medial	piece	SH4240-L/ST	SH4241-L/ST	SH4242-L/ST	SH4243-L/ST	SH4245-L/ST
	left medial or right lateral	piece	SH4240-R/ST	SH4241-R/ST	SH4242-R/ST	SH4243-R/ST	SH4245-R/ST
titanium	left lateral or right medial	piece	-	SH4241-L/TI	SH4242-L/TI	SH4243-L/TI	SH4245-L/TI
	left medial or right lateral	piece	-	SH4241-R/TI	SH4242-R/TI	SH4243-R/TI	SH4245-R/TI

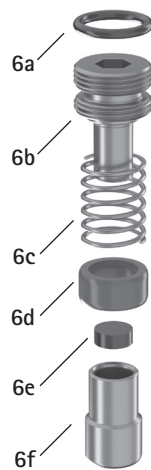
Spare Parts



Upper Part with Feather Keys, Preassembled (2-3)



Spare Parts
Screw Unit (6)



Spare Parts
Screw Unit (7)

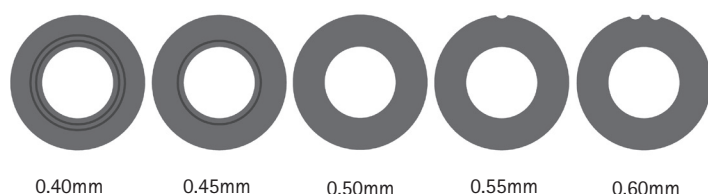


Spare Parts						
Item	Article Number for System Width					Description
	10mm	12mm	14mm	16mm	20mm	
1	SB6039-L0580	SB7049-L0590	SB8559-L0630	SB9669-L0760	SB1069-L0960	bearing nut
2	SF0310-ST	SF0311-ST	SF0312-ST	SF0313-ST	SF0315-ST	upper part, straight, steel
2	-	SF0311-TI	SF0312-TI	SF0313-TI	SF0315-TI	upper part, straight, titanium
2	SF0330-ST	SF0331-ST	SF0332-ST	SF0333-ST	SF0335-ST	upper part, bent inwards, steel
2	-	SF0331-TI	SF0332-TI	SF0333-TI	SF0335-TI	upper part, bent inwards, titanium
2	SF0330-8/ST	SF0331-8/ST	SF0332-8/ST	SF0333-8/ST	SF0335-8/ST	upper part, bent outwards, steel
2	-	SF0331-8/TI	SF0332-8/TI	SF0333-8/TI	SF0335-8/TI	upper part, bent outwards, titanium
3	SF0390-01	SF0391-01	SF0392-02	SF0393-02	SF0395-02	feather key with pin
2-3	SF0310-P/ST	SF0311-P/ST	SF0312-P/ST	SF0313-P/ST	SF0315-P/ST	upper part with feather keys, straight, steel
2-3	-	SF0311-P/TI	SF0312-P/TI	SF0313-P/TI	SF0315-P/TI	upper part with feather keys, straight, titanium
2-3	SF0330-P/ST	SF0331-P/ST	SF0332-P/ST	SF0333-P/ST	SF0335-P/ST	upper part with feather keys, bent inwards, steel
2-3	-	SF0331-P/TI	SF0332-P/TI	SF0333-P/TI	SF0335-P/TI	upper part with feather keys, bent inwards, titanium
2-3	SF0330-8P/ST	SF0331-8P/ST	SF0332-8P/ST	SF0333-8P/ST	SF0335-8P/ST	upper part with feather keys, bent outwards, steel
2-3	-	SF0331-8P/TI	SF0332-8P/TI	SF0333-8P/TI	SF0335-8P/TI	upper part with feather keys, bent outwards, titanium
4	GS1206-*	GS1407-*	GS2009-*	GS2210-*	GS2611-*	sliding washer*
5	SH0460-L/AL	SH0461-L/AL	SH0462-L/AL	SH0463-L/AL	SH0465-L/AL	cover plate, left lateral or right medial
5	SH0460-R/AL	SH0461-R/AL	SH0462-R/AL	SH0463-R/AL	SH0465-R/AL	cover plate, left medial or right lateral
6	SC9607-L04	SC9608-L06	SC9611-L08	SC9612-L08	SC9612-L08	screw unit
6a	VE3771-04/10	VE3771-050/10	VE3771-08/15	VE3771-09/15	VE3771-09/15	O-ring for securing alignment screw
6b	SC9607-L04/S	SC9608-L06/S	SC9611-L08/S	SC9612-L08/S	SC9612-L08/S	alignment screw, steel
6c	FE1615-01	FE1611-01	FE1916-01	FE1027-01	FE1027-01	pressure spring
6d	GS0604-350	GS0705-525	GS1007-350	GS1108-500	GS1108-500	sliding bushing
6e	PN0003-L02	PN0004-L02	PN0005-L02	PN0006-L02	PN0006-L02	stop damper
6f	SH0490-01	SH0491-01	SH0492-01	SH0493-01	SH0493-01	plunger
7	SC9609-L13	SC9611-L14	SC9612-L15	SC9614-L17	SC9618-L17	screw unit
7a	VE3771-06/11	VE3771-08/15	VE3771-09/15	VE3771-11/15	VE3771-125/15	O-ring for securing alignment screw
7b	SC9609-L13/S	SC9611-L14/T	SC9612-L15/T	SC9614-L17/T	SC9618-L17/T	alignment screw
7c	VE3771-03/10	VE3771-04/10	VE3771-04/10	VE3771-04/10	VE3771-07/10	O-ring for securing motion limiting screw
7d	SC9606-L05	SC9607-L06	SC9607-L06	SC9607-L06	SC9611-L06	motion limiting screw
8	SC1403-L08	SC1404-L10	SC1405-L11	SC1405-L12	SC1405-L14	countersunk flat head screw, hexalobular socket
9	SC1403-L08	SC1404-L10	SC1405-L11	SC1405-L12	SC1406-L14	countersunk flat head screw, hexalobular socket (axle screw)
5-9	SH4970-L/AL	SH4971-L/AL	SH4972-L/AL	SH4973-L/AL	SH4975-L/AL	functional unit plug + go modularity, left lateral or right medial
5-9	SH4970-R/AL	SH4971-R/AL	SH4972-R/AL	SH4973-R/AL	SH4975-R/AL	functional unit plug + go modularity, left medial or right lateral

* Sliding Washers

Article Number for System Width				
10mm	12mm	14mm	16mm	20mm
Ø = 12mm	Ø = 14mm	Ø = 20mm	Ø = 22mm	Ø = 26mm
GS1206-040	GS1407-040	GS2009-040	GS2210-040	GS2611-040
GS1206-045	GS1407-045	GS2009-045	GS2210-045	GS2611-045
GS1206-050	GS1407-050	GS2009-050	GS2210-050	GS2611-050
GS1206-055	GS1407-055	GS2009-055	GS2210-055	GS2611-055
GS1206-060	GS1407-060	GS2009-060	GS2210-060	GS2611-060

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



- You will find system stirrups on catalogue page B70.9f.
- You will find system side bars and system anchors on catalogue page I1ff.

Spare and Accessory Parts NEURO VARIO-SWING

NEURO VARIO-CLASSIC

NEURO VARIO-CLASSIC 2

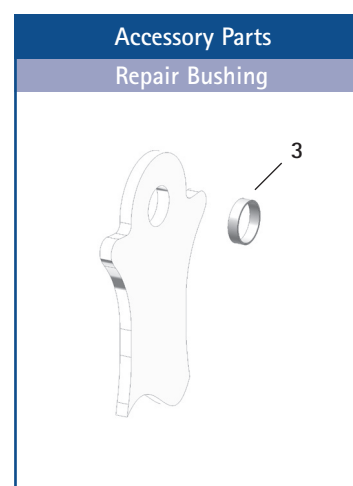
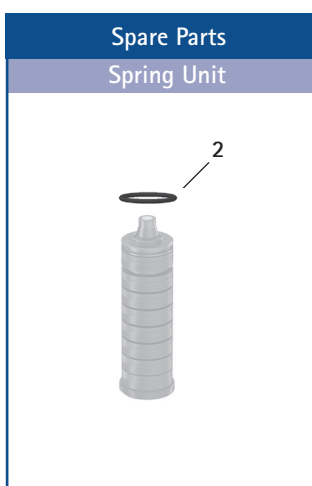
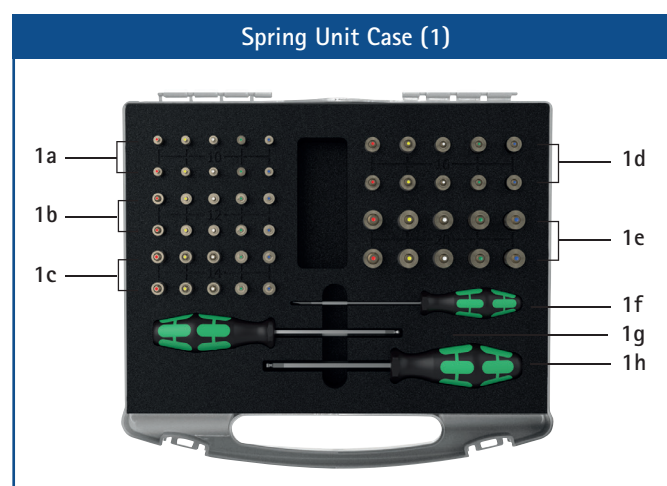
NEURO VARIO

NEURO VARIO 2

NEURO VARIO-SPRING

NEURO VARIO-SPRING 2

NEURO VARIO-SWING



Spring Unit Case		
Item	Article Number	Description
1	SF5800	1 x spring unit set in a case with tools
w/o fig.	SF5800-0	1 x spring unit case for filling by yourself, with tools (without spring units)
1a	see table spring units	2 x of each blue, green, white, yellow and red spring unit for NEURO VARIO-SWING 10mm
1b	see table spring units	2 x of each blue, green, white, yellow and red spring unit for NEURO VARIO-SWING 12mm
1c	see table spring units	2 x of each blue, green, white, yellow and red spring unit for NEURO VARIO-SWING 14mm
1d	see table spring units	2 x of each blue, green, white, yellow and red spring unit for NEURO VARIO-SWING 16mm
1e	see table spring units	2 x of each blue, green, white, yellow and red spring unit for NEURO VARIO-SWING 20mm
1f	WZ5703-3513	1 x slotted screwdriver 0.6 x 3.5 x 100mm
1g	WZ5112-4010	1 x hexagonal screwdriver with spherical head, 4 x 100mm
1h	WZ5112-5010	1 x hexagonal screwdriver with spherical head, 5 x 100mm

Spring Units (You Need One of the Following Spring Units for One NEURO VARIO-SWING System Ankle Joint):						
Article Number for System Width					Description	Unit
10mm	12mm	14mm	16mm	20mm		
SF5800-15/02	SF5801-15/03	SF5802-15/05	SF5803-15/07	SF5805-15/18	spring unit, blue, normal, max. 15° range of motion	piece
SF5800-15/04	SF5801-15/06	SF5802-15/11	SF5803-15/15	SF5805-15/25	spring unit, green, medium, max. 15° range of motion	piece
SF5800-10/06	SF5801-10/12	SF5802-09/16	SF5803-10/21	SF5805-10/40	spring unit, white, strong, max. 10° range of motion	piece
SF5800-10/09	SF5801-10/19	SF5802-10/29	SF5803-10/31	SF5805-10/60	spring unit, yellow, very strong, max. 10° range of motion	piece
SF5800-05/17	SF5801-05/33	SF5802-05/53	SF5803-05/63	SF5805-05/99	spring unit, red, extra strong, max. 5° range of motion	piece

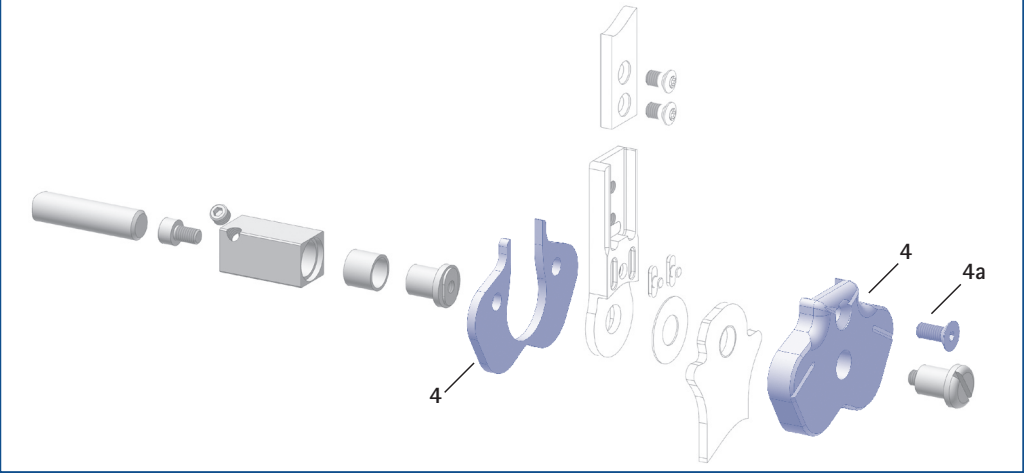
Spare Parts Spring Units						
Item	Article Number for System Width					Description
	10mm	12mm	14mm	16mm	20mm	
2	VE3771-045/10	VE3771-06/10	VE3771-07/10	VE3771-08/10	VE3771-11/10	O-ring for securing the spring unit

Spring Unit Weights [g]						
Spring Unit	Article Number	System Width				
		10mm	12mm	14mm	16mm	20mm
spring unit, blue, normal, max. 15° range of motion	see table spring units	3	6	7	11	33
spring unit, green, medium, max. 15° range of motion	see table spring units	3	8	14	21	38
spring unit, white, strong, max. 10° range of motion	see table spring units	3	9	17	26	49
spring unit, yellow, very strong, max. 10° range of motion	see table spring units	4	9	17	30	57
spring unit, red, extra strong, max. 5° range of motion	see table spring units	4	10	19	29	60

Accessory Parts						
Item	Article Number for System Width					Description
	10mm	12mm	14mm	16mm	20mm	
3	BP0706-L020*	BR0807-L020*	BR1009-L025*	BR1110-L030*	BR1211-L030*	repair bushing*

* You will find special reaming tools on catalogue page J11.

Assembly/Lamination Dummies (4)



Cover Plate Pressing Aid (5)



Assembly/Lamination Dummies

Item	Article Number for System Width					Description	Unit
	10mm	12mm	14mm	16mm	20mm		
4	SF0950-LR1	SF0951-LR1	SF0952-LR1	SF0953-LR1	SF0955-5LR1	assembly/lamination dummy, two parts (2 dummies with screw)	set
4a	SC1053-L08	SC1054-L10	SC1055-L12	SC1055-L12	SC1055-L12	countersunk flat head screw, hexagon socket	piece

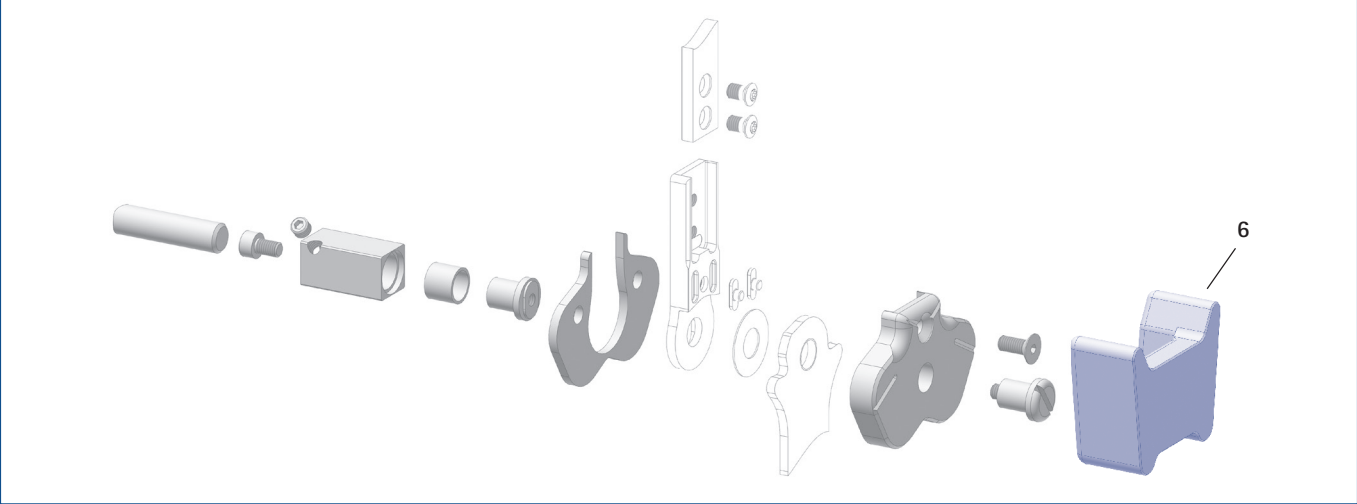
- ➔ Assembly/lamination dummies are included in the scope of delivery of the system joints.
- ➔ You will find an overview of our tools on catalogue page J1ff.

Cover Plate Pressing Aid

Item	Article Number for System Width					Description	Unit
	10mm	12mm	14mm	16mm	20mm		
5	WE5000-SF	WE5001-SF	WE5002-SF	WE5002-SF	WE5002-SF	cover plate pressing aid (pressing screw and washer)	set

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

Shaping Dummy (6)



Shaping Dummy

Item	Article Number for System Width					Description	Unit
	10mm	12mm	14mm	16mm	20mm		
6	SF0950-LR2	SF0951-LR2	SF0952-LR2	SF0953-LR2	SF0955-5LR2	shaping dummy	piece

System Stirrups NEURO VARIO-SWING – Bent



rivet stirrup



lamination/prepreg stirrup



thermoformage stirrup



side view

General Measures of the System Stirrups

Measure [mm]	System Width				
	10mm	12mm	14mm	16mm	20mm
thickness	2.0	2.0	2.5	3.0	3.0
neck width	16.0	19.4	23.2	26.6	30.8
bore hole diameter	6.0	7.0	8.5	9.6	10.5

Bent

Description	Leg/Leg Side	Unit	Article Number and Measures for System Width				
			10mm	12mm	14mm	16mm	20mm
rivet stirrup	left or right	piece	FB5070-LR/ST3	FB5071-LR/ST3	FB5082-LR/ST4	FB5093-LR/ST4	FB5015-LR/ST5
length from the middle of the bore hole [mm]			105	113	125	145	165
weight [g]			32	41	68	109	139
lamination/prepreg stirrup	left lateral or right medial	piece	FB5170-L/ST1	FB5171-L/ST1	FB5182-L/ST1	FB5193-L/ST1	FB5115-L/ST1
	left medial or right lateral		FB5170-R/ST1	FB5171-R/ST1	FB5182-R/ST1	FB5193-R/ST1	FB5115-R/ST1
length from the middle of the bore hole [mm]			29	41	55	65	69
weight [g]			8	14	30	51	68
thermoformage stirrup	left or right	piece	FB5270-LR/ST2	FB5271-LR/ST2	FB5282-LR/ST2	FB5293-LR/ST2	FB5215-LR/ST3
length from the middle of the bore hole [mm]			50	55	62	68	74
weight [g]			14	19	33	52	64



rivet stirrup



lamination/prepreg stirrup



thermoformage stirrup

Straight

Description	Unit	Article Number and Measures for System Width				
		10mm	12mm	14mm	16mm	20mm
rivet stirrup	piece	FB5070-ST/3	FB5071-ST/3	FB5082-ST/4	FB5093-ST/4	FB5015-ST/5
length from the middle of the bore hole [mm]		105	113	125	145	165
weight [g]		32	41	68	109	139
lamination/prepreg stirrup	piece	FB5170-ST/1	FB5171-ST/1	FB5182-ST/1	FB5193-ST/1	FB5115-ST/1
length from the middle of the bore hole [mm]		29	41	55	65	69
weight [g]		8	14	30	51	68
thermoformage stirrup	piece	FB5270-ST/2	FB5271-ST/2	FB5282-ST/2	FB5293-ST/2	FB5215-ST/3
length from the middle of the bore hole [mm]		50	55	62	68	74
weight [g]		14	19	33	52	64

Information for Processing

Rivet stirrup:

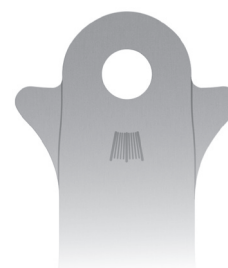
→ This system stirrup is riveted to the foot piece.

Lamination/prepreg stirrup:

→ This system stirrup is embedded into the laminate of the foot piece or into prepreg materials.

Thermoformage stirrup:

→ This system stirrup is embedded into thermoformable plastics, but can be embedded into laminates as well.



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