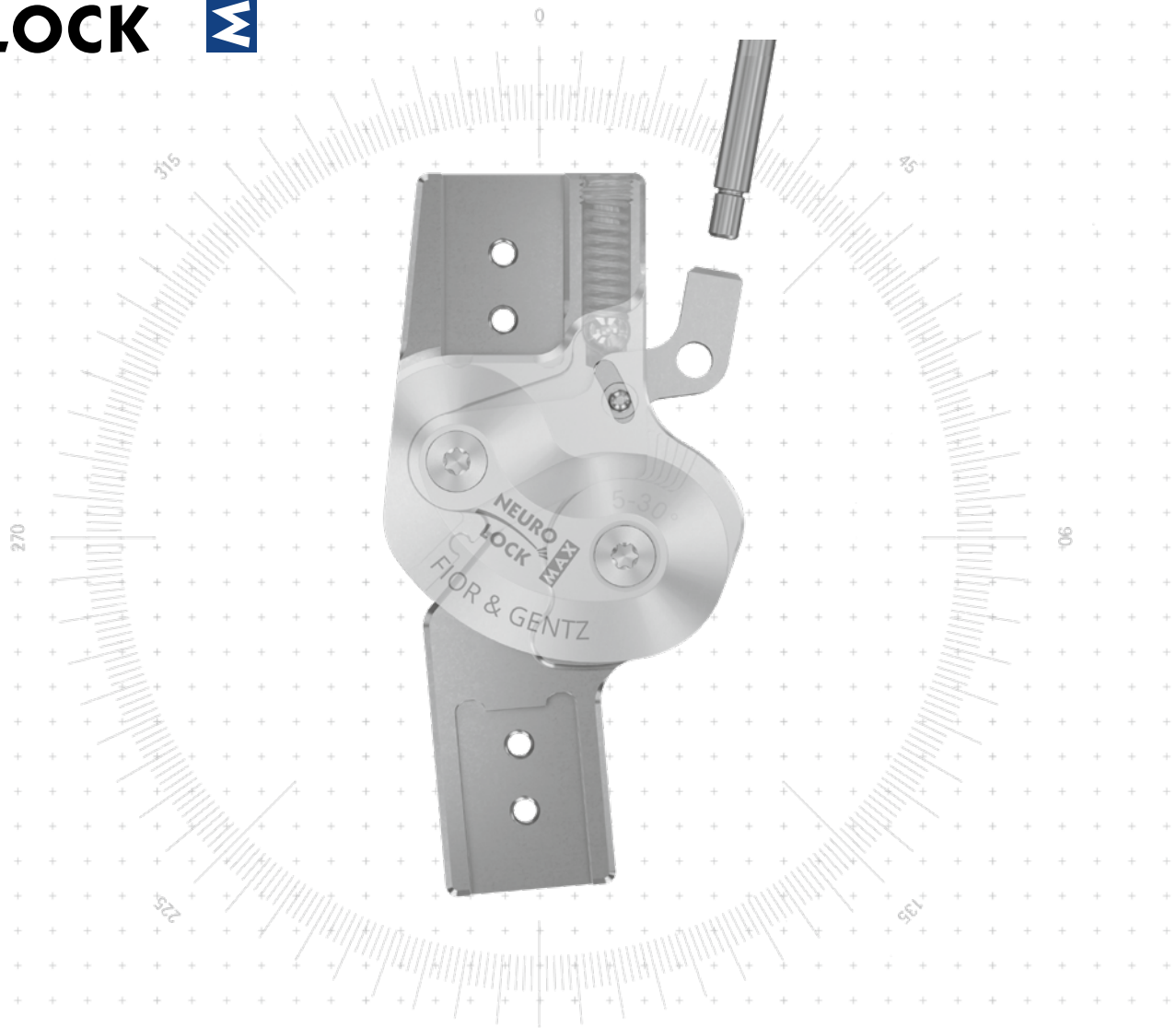
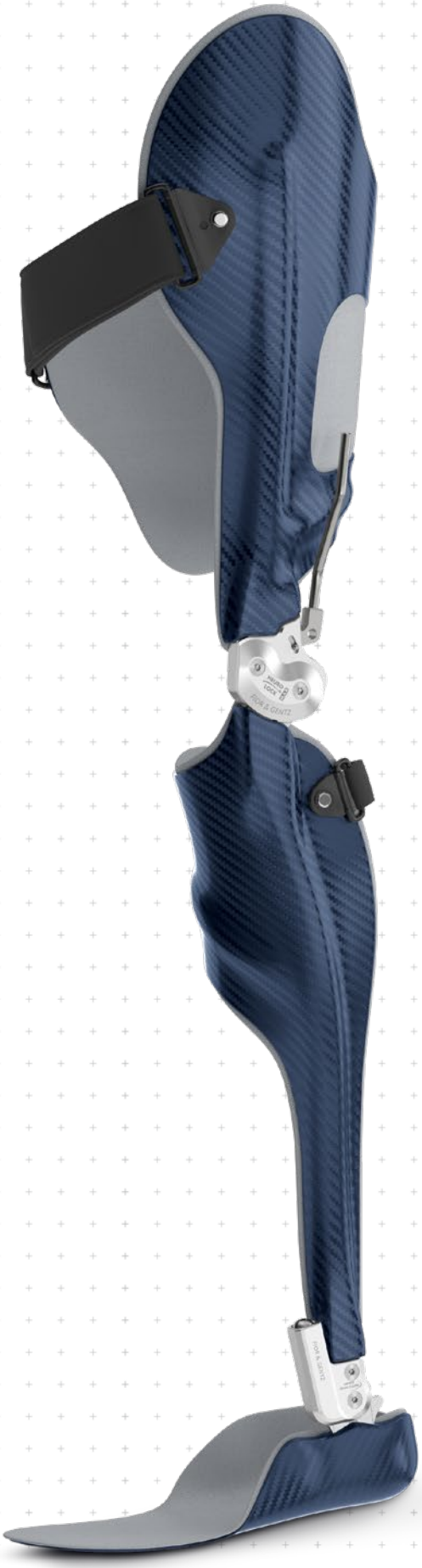
NEURO LOCK MAX



Main Function		lock function monocentric, locked with posterior offset - unlocking via lock lever/pulling cable - permanent unlocking via lock lever/pulling cable and locating pin - locked in 5° extension
Functions for Locked System Joints		joint's lower part, can be adjusted by filing
Type of Extension Stop		static extension stop, exchangeable
Adjustment Options		flexion angle can be adjusted, as required, in a variety of ways (5°, 10°, 15°, 20°, 25°, 30°) by exchanging the extension stop and filing the joint's lower part

The NEURO VARIO system knee joint can be used as a supporting joint for the NEURO LOCK MAX system knee joint.



12mm 14mm 16mm 20mm

Joint Dimensions [mm]

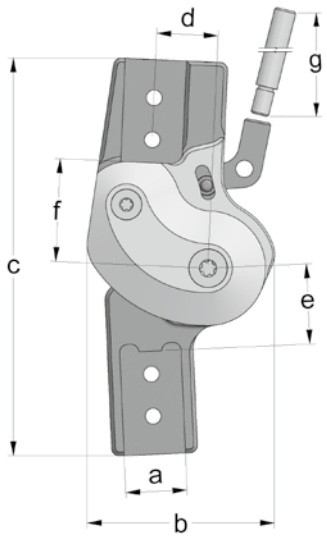
Dimension	Description	System Width a			
		12mm	14mm	16mm	20mm
b	joint head width	37	42.5	49	59
c	joint height	76	90	104	119
d	posterior offset*	12	14	16	20
e	distance pivot point – lower system case	15	17.5	21	23.5
f	distance pivot point – upper system case	21	24	27	33
g	lever length	200	200	200	200
	joint thickness	13	14	16	17.5

* important for the permanent unlock function

Joint Weights** [g]

Material	Unit	System Width			
		12mm	14mm	16mm	20mm
titanium	piece	63	95	143	238

** without lever extension



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

- pan head screw for exchanging extension stops
- orthosis joint grease, 3g
- assembly/lamination dummy
- lever extension
- connecting tube for lever extension***

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

➡ Please order system side bars and system anchors separately.
➡ You will find pulling cables on catalogue page G20.7f.
➡ You will find system side bars and system anchors on catalogue page I1ff.

straight
fig. 1

bent inwards distally
fig. 2

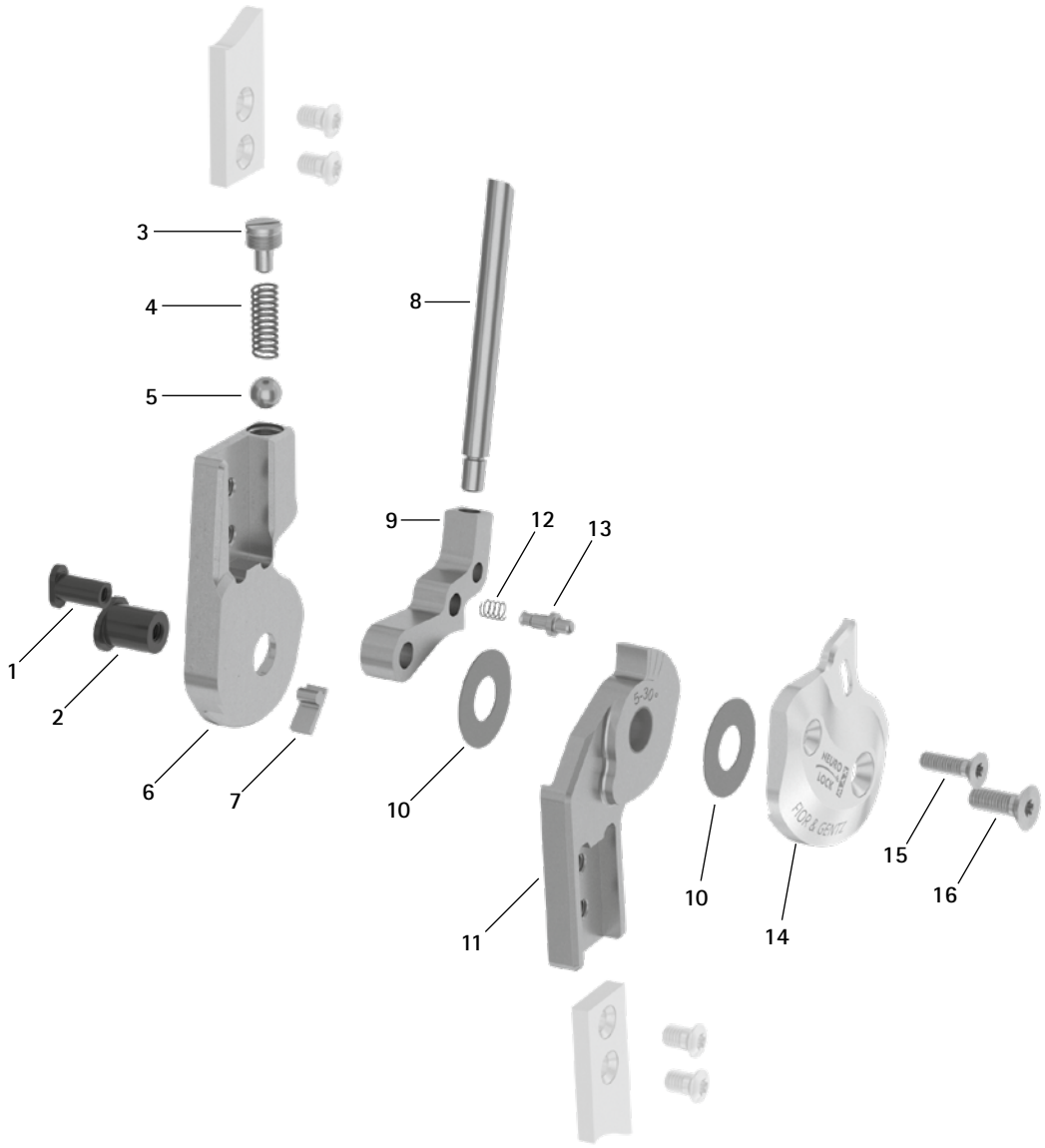
Straight (Fig. 1)

Material	Leg Side	Unit	Article Number for System Width			
			12mm	14mm	16mm	20mm
titanium	left lateral or right medial	piece	SK8301-L/TI	SK8302-L/TI	SK8303-L/TI	SK8305-L/TI
	left medial or right lateral	piece	SK8301-R/TI	SK8302-R/TI	SK8303-R/TI	SK8305-R/TI

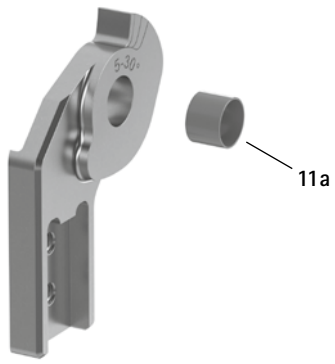
Bent Inwards Distally (Fig. 2)

Material	Leg Side	Unit	Article Number for System Width			
			12mm	14mm	16mm	20mm
titanium	left lateral or right medial	piece	SK8321-L/TI	SK8322-L/TI	SK8323-L/TI	SK8325-L/TI
	left medial or right lateral	piece	SK8321-R/TI	SK8322-R/TI	SK8323-R/TI	SK8325-R/TI

Spare Parts



Lower Part with Sliding Bushing, Preassembled (11)



Spare Parts

Item	Article Number for System Width 12mm	14mm	16mm	20mm	Description
1	SB6049-L0850	SB6049-L0950	SB6049-L1130	SB8559-L1290	bearing nut (locking pawl)
2	SB7049-L0850	SB8559-L0950	SB9669-L1130	SB1069-L1290	bearing nut (joint axis)
3	SC2106-L04	SC2107-L04	SC9608-L11	SC9609-L04/1	pressure screw
4	FE1414-01	FE1520-01	FE1527-01	FE2726-01	pressure spring
5	KU1005-ST	KU1006-ST	KU1007-ST	KU1008-ST	ball
6	SK0701-2L/TI	SK0702-2L/TI	SK0703-2L/TI	SK0705-2L/TI	upper part, left lateral or right medial, straight, titanium
6	SK0701-2R/TI	SK0702-2R/TI	SK0703-2R/TI	SK0705-2R/TI	upper part, left medial or right lateral, straight, titanium
7	SK9801-E005	SK9802-E005	SK9803-E005	SK9805-E005	5° extension stop
8	SK0492-ST	SK0492-ST	SK0495-ST	SK0495-ST	lever extension
9	SK0771-*	SK0772-*	SK0773-*	SK0775-*	locking pawl*
10	GS1807-**	GS2009-**	GS2210-**	GS2411-**	sliding washer**
11	SK0811-2L/TI	SK0812-2L/TI	SK0813-2L/TI	SK0815-2L/TI	5° lower part with sliding bushing, 5°–30°, left lateral or right medial, straight, titanium
11	SK0811-2R/TI	SK0812-2R/TI	SK0813-2R/TI	SK0815-2R/TI	5° lower part with sliding bushing, 5°–30°, left medial or right lateral, straight, titanium
11	SK0831-2L/TI	SK0832-2L/TI	SK0833-2L/TI	SK0835-2L/TI	5° lower part with sliding bushing, 5°–30°, left lateral or right medial, bent inwards, titanium
11	SK0831-2R/TI	SK0832-2R/TI	SK0833-2R/TI	SK0835-2R/TI	5° lower part with sliding bushing, 5°–30°, left medial or right lateral, bent inwards, titanium
11a	BP0807-L056	BP1009-L065	BP1110-L078	BP1211-L090	sliding bushing
12	FE1407-01	FE1411-02	FE1411-02	FE1411-02	pressure spring
13	SK0771-20	SK0772-20	SK0773-20	SK0775-20	locating pin for adjusting the permanent unlock function
14	SK0861-2L/AL	SK0862-2L/AL	SK0863-2L/AL	SK0865-2L/AL	cover plate, left lateral or right medial, aluminium
14	SK0861-2R/AL	SK0862-2R/AL	SK0863-2R/AL	SK0865-2R/AL	cover plate, left medial or right lateral, aluminium
15	SC1404-L12	SC1404-L12	SC1404-L14	SC1405-L14	countersunk flat head screw with hexalobular socket
16	SC1404-L12	SC1405-L12	SC1405-L14	SC1406-L14	countersunk flat head screw with hexalobular socket (axle screw)
w/o fig.	SK0492-VS	SK0492-VS	SK0493-VS	SK0493-VS	connecting tube for lever extension
w/o fig.	SC0403-L08	SC0403-L08	SC0403-L10	SC0403-L10	pan head screw for exchanging extension stops

* Locking Pawls

Article Number for System Width 12mm	14mm	16mm	20mm
SK0771-L/025	-	-	SK0775-L/025
SK0771-L/038	SK0772-L/038	SK0773-L/038	SK0775-L/038
SK0771-L/044	-	SK0773-L/044	SK0775-L/044
SK0771-L/050	SK0772-L/050	SK0773-L/050	SK0775-L/050
-	SK0772-L/056	SK0773-L/056	SK0775-L/056
SK0771-L/063	SK0772-L/063	SK0773-L/063	SK0775-L/063
-	SK0772-L/069	SK0773-L/069	-
-	SK0772-L/075	SK0773-L/075	SK0775-L/075
-	SK0772-L/088	SK0773-L/088	SK0775-L/088
-	SK0772-L/100	SK0773-L/100	-

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

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

** Sliding Washers

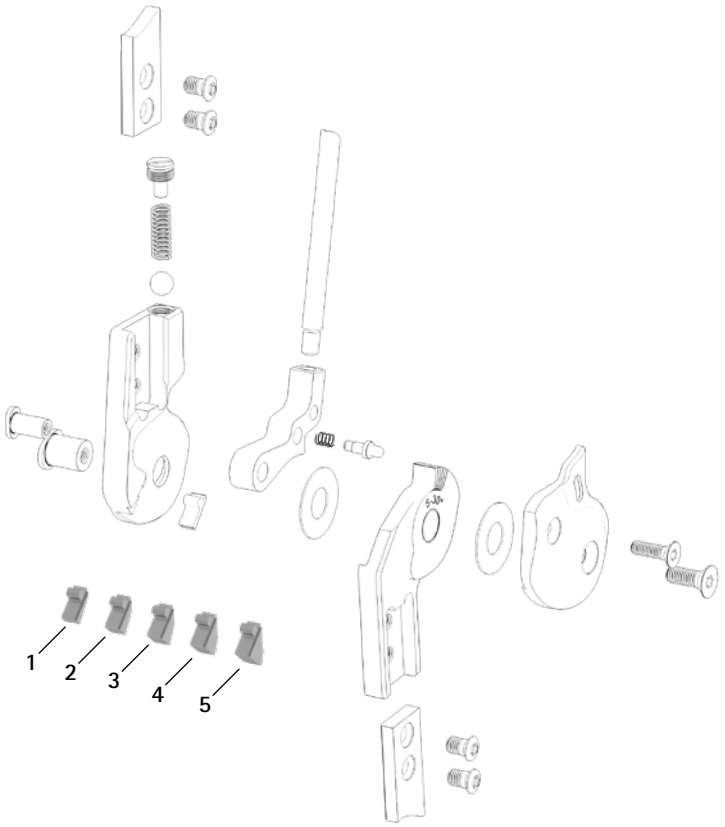
Article Number for System Width 12mm	14mm	16mm	20mm
Ø = 18mm	Ø = 20mm	Ø = 22mm	Ø = 24mm
GS1807-040	GS2009-040	GS2210-040	GS2411-040
GS1807-045	GS2009-045	GS2210-045	GS2411-045
GS1807-050	GS2009-050	GS2210-050	GS2411-050
GS1807-055	GS2009-055	GS2210-055	GS2411-055
GS1807-060	GS2009-060	GS2210-060	GS2411-060

The last three digits of the article number stand for the thickness of the sliding washer, e.g. GS1807-**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 notches is 0.40mm thick, whereas a sliding washer with one notch is 0.55mm thick.

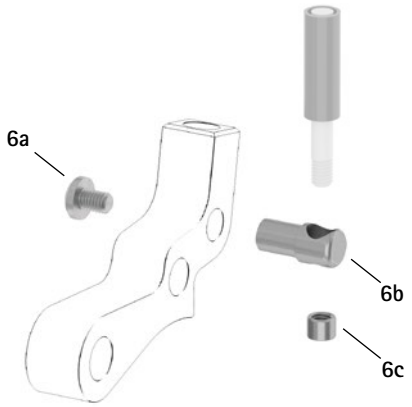
0.40mm 0.45mm 0.50mm 0.55mm 0.60mm

➡ You will find system side bars and system anchors on catalogue page I1ff.

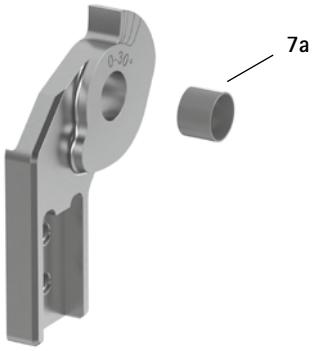
Extension Stops



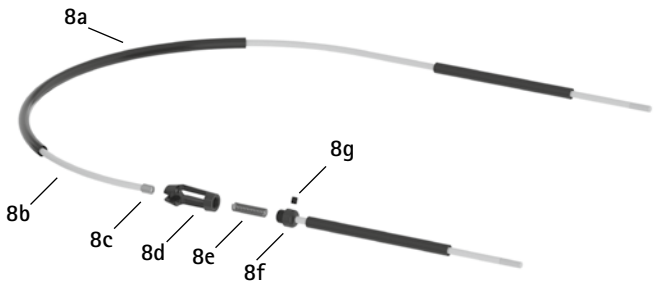
Pulling Cable Adaptor (6)



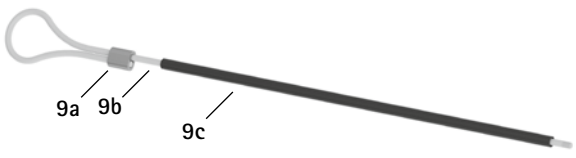
Lower Part with Sliding Bushing, Preassembled (7)



Pulling Cable, Separable (8)



Pulling Cable, Unilateral (9)

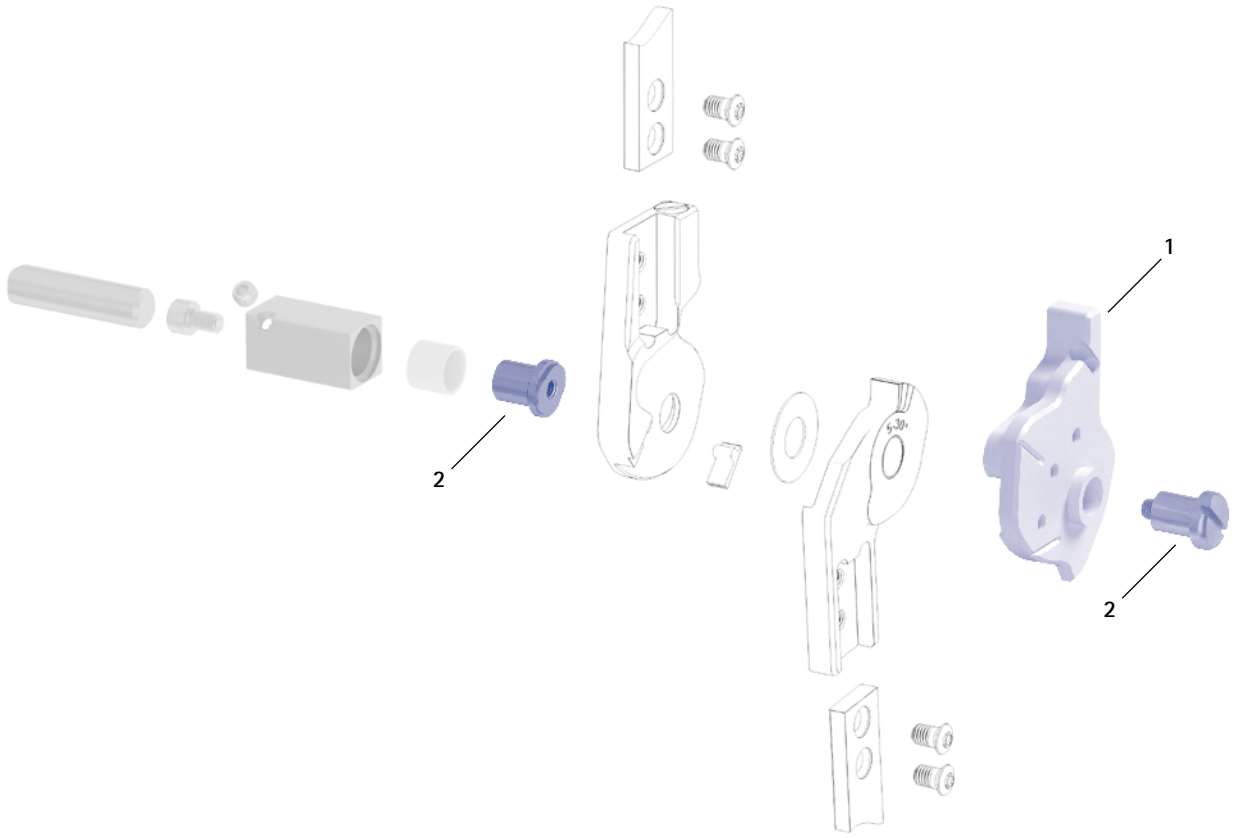


Accessory Parts

Item	Article Number for System Width 12mm	14mm	16mm	20mm	Description
1	SK9801-E010	SK9802-E010	SK9803-E010	SK9805-E010	10° extension stop
2	SK9801-E015	SK9802-E015	SK9803-E015	SK9805-E015	15° extension stop
3	SK9801-E020	SK9802-E020	SK9803-E020	SK9805-E020	20° extension stop
4	SK9801-E025	SK9802-E025	SK9803-E025	SK9805-E025	25° extension stop
5	SK9801-E030	SK9802-E030	SK9803-E030	SK9805-E030	30° extension stop
1, 3, 5	SK9801	SK9802	SK9803	SK9805	set of stops, 10°, 20°, 30° extension stops (1 of each)
6	ZS3701	ZS3702	ZS3703	ZS3705	pulling cable adaptor
6a	SC4303-L04	SC4303-L04	SC4303-L04	SC4304-L08	pan head screw with cross recess H
6b	ZS0324-06	ZS0324-07	ZS0324-08	ZS0326-10	pulling cable holder
6c	ZS0233	ZS0233	ZS0233	ZS0235	threaded sleeve
w/o fig.	ZS1000-L400*	ZS1000-L400*	ZS1000-L400*	ZS1000-L400*	pulling cable, nylon cable with cover, 400mm*
w/o fig.	ZS1000-L500*	ZS1000-L500*	ZS1000-L500*	ZS1000-L500*	pulling cable, nylon cable with cover, 500mm*
w/o fig.	ZS1000-L600*	ZS1000-L600*	ZS1000-L600*	ZS1000-L600*	pulling cable, nylon cable with cover, 600mm*
w/o fig.	ZS1000-L700*	ZS1000-L700*	ZS1000-L700*	ZS1000-L700*	pulling cable, nylon cable with cover, 700mm*
7	SK0811-2L/TI	SK0812-2L/TI	SK0813-2L/TI	SK0815-2L/TI	5° lower part with sliding bushing, 5°–30°, left lateral or right medial, straight, titanium
7	SK0811-2R/TI	SK0812-2R/TI	SK0813-2R/TI	SK0815-2R/TI	5° lower part with sliding bushing, 5°–30°, left medial or right lateral, straight, titanium
7	SK0831-2L/TI	SK0832-2L/TI	SK0833-2L/TI	SK0835-2L/TI	5° lower part with sliding bushing, 5°–30°, left lateral or right medial, bent inwards, titanium
7	SK0831-2R/TI	SK0832-2R/TI	SK0833-2R/TI	SK0835-2R/TI	5° lower part with sliding bushing, 5°–30°, left medial or right lateral, bent inwards, titanium
7a	BP0807-L056	BP1009-L065	BP1110-L078	BP1211-L090	sliding bushing
8	ZS1100-L400*	ZS1100-L400*	ZS1100-L400*	ZS1100-L400*	pulling cable, separable through coupler, 400mm*
8	ZS1100-L500*	ZS1100-L500*	ZS1100-L500*	ZS1100-L500*	pulling cable, separable through coupler, 500mm*
8a	ZS0102	ZS0102	ZS0102	ZS0102	cable cover, 1000mm long
8b	ZS0002	ZS0002	ZS0002	ZS0002	nylon cable, 1000mm long
8c	ZS0235	ZS0235	ZS0235	ZS0235	threaded sleeve
8d	VE0101-AL	VE0101-AL	VE0101-AL	VE0101-AL	coupler case, aluminium
8e	FE1420-01	FE1420-01	FE1420-01	FE1420-01	pressure spring
8f	VE0102-AL	VE0102-AL	VE0102-AL	VE0102-AL	connecting screw for coupler
8g	SC9603-L03	SC9603-L03	SC9603-L03	SC9603-L03	headless pin with hexagon socket
8c-8g	VE1000-AL	VE1000-AL	VE1000-AL	VE1000-AL	coupler, aluminium
9	ZS1400-L600*	ZS1400-L600*	ZS1400-L600*	ZS1400-L600*	pulling cable with ferrule for unilateral lock, nylon cable with cover, 600mm long*
9a	ZS0403-AL	ZS0403-AL	ZS0403-AL	ZS0403-AL	ferrule for 3mm nylon cable, aluminium
9b	ZS0001-L600	ZS0001-L600	ZS0001-L600	ZS0001-L600	nylon cable with thread
9c	ZS0102-L500	ZS0102-L500	ZS0102-L500	ZS0102-L500	cable cover, 500mm long

* You need one pulling cable adaptor for each locking pawl to mount a pulling cable on.

Assembly/Lamination Dummies and Joint Retainers



Assembly/Lamination Dummies and Joint Retainers

Item	Article Number for System Width 12mm	14mm	16mm	20mm	Description	Unit
1	SK0971-L	SK0972-L	SK0973-L	SK0975-L	assembly/lamination dummy, left lateral or right medial	piece
1	SK0971-R	SK0972-R	SK0973-R	SK0975-R	assembly/lamination dummy, left medial or right lateral	piece
2	PE1121-LR	PE1122-LR	PE1123-LR	PE1125-LR	joint retainer	piece
	2/A	10/B	9/C	8/C	laser marking	-

➡ 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.

➡ You will also find the joint retainers and the corresponding laser markings in the tool case on the catalogue pages J15 and J16.