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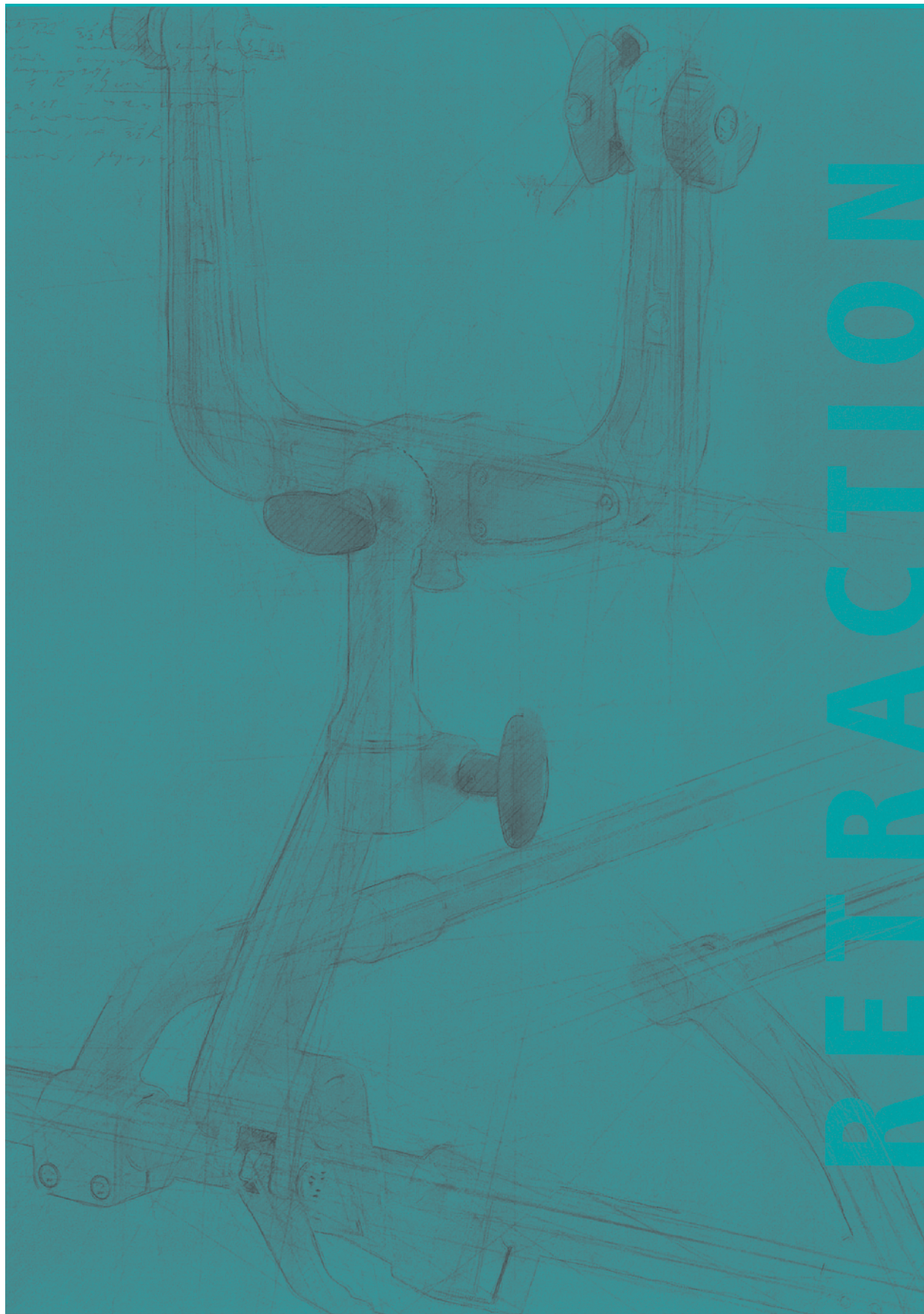
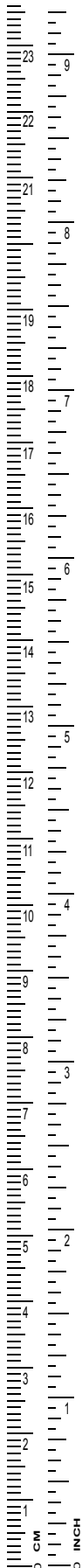
100% made in Germany

MF Cranial Stabilization Systems

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MF Cranial Stabilization Systems





SBH: Your address for surgical quality instruments "Made in Germany", manufactured at our site in Germany. SBH stands for highest quality, speed, and efficiency. We will find the technically and economically optimal solution for you.

Highest quality at fair prices. Contact us to get to know the complete SBH product range!

For further information please visit: www.sbhsurgical.com for by e-mail at info@sbhsurgical.com

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MF-Cranial Stabilization System

Material

- MF-Cranial fixation system made of aluminium I stainless steel
- Coated MF-Cranial fixation system
- MF-Cranial fixation system made of high-tech plastic for complete X-ray transparency and MRI-compatibility

Product Design

- The gold standard in head fixation
- 2 sets available with horseshoe head-rest (for adults) or with skull clamp (3-pin-jixation)
- MF-Pins in stainless steel, titanium or PEEK

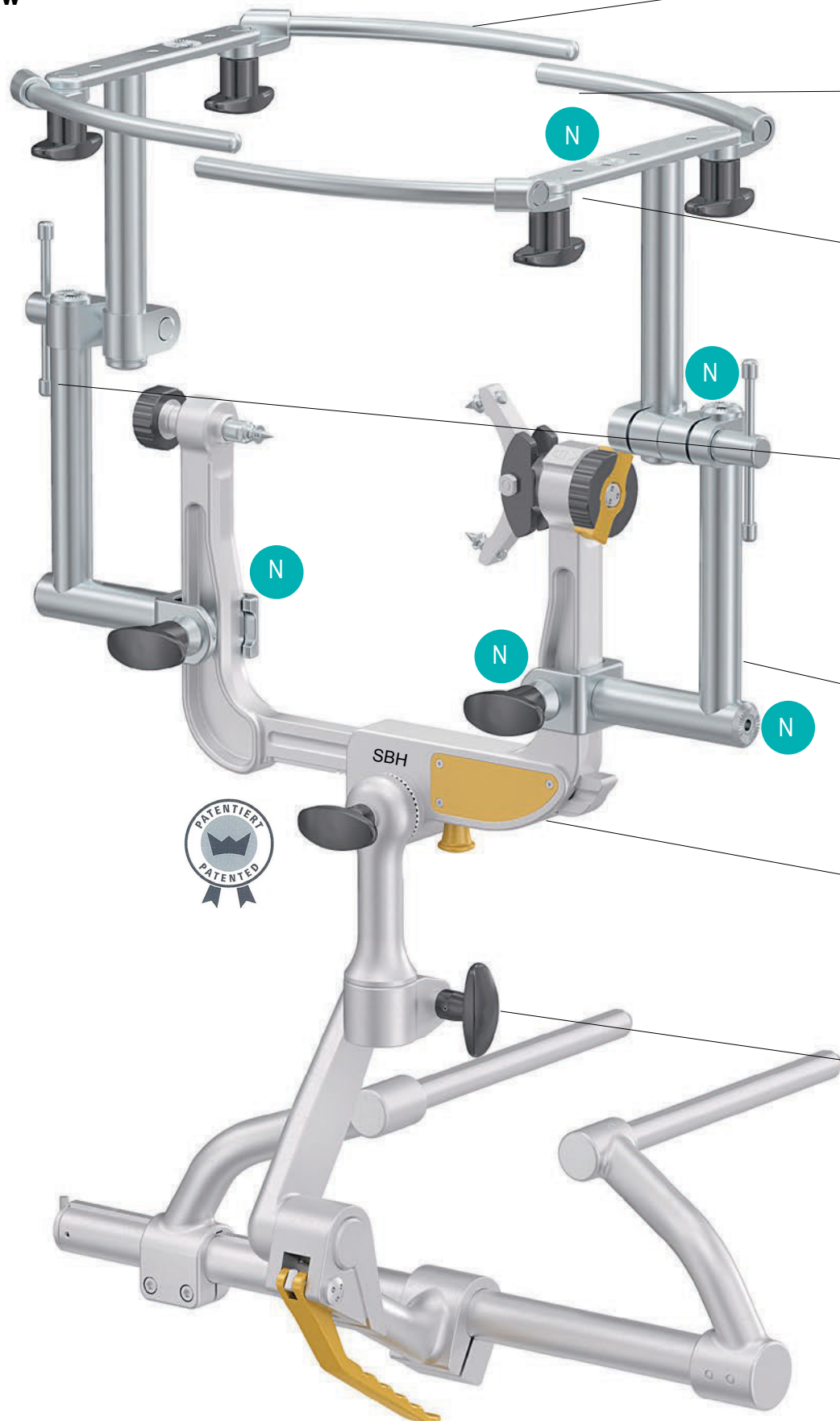
Description

- As a complete system with all components, Made in Germany
- Outstanding stability with all necessary flexibility
- Components made of aluminium for weight reduction or stainless steel for stability
- Milled components for improved stability
- Basic components compatible with existing systems
- Can be combined with Viridis and snake-arm-system

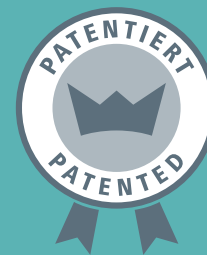
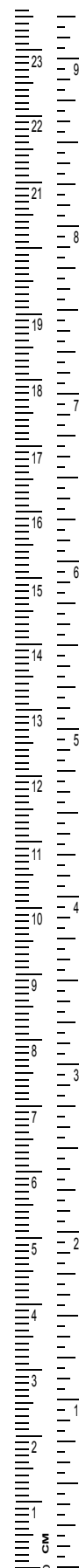


MF-Cranial Stabilization System

Functional Overview



N = Navigation



Availability

[AL] Gold Standard

[AL] + [SST] Premium coated

[CT] CT compatible

[MRI] MRI compatible

Unique solution

The newly developed MF head stabilization and retraction system has been specially designed to meet the needs of the user.

The basic set is available with a skull clamp or neck support and can be connected to a complete MF attachment holding system for the adaptation of accessories (Viridis, Leyla ..).

This makes the system movable in all directions and height-adjustable. Four adaption interfaces for the attachment of target devices as well as further connection possibilities for stereotactic procedures are available.

Everything from a single source. Made in Germany with the highest quality.

Can be adapted with two bars per side for more flexibility. Can also be used as a hand rest.

Variants: straight or curved rods in various lengths.

Round, narrow contour of the rods: can be adapted with standards such as Leyla/Viridis.

Navigation adapter connection.

Protection against unintentional release of the locking device.

Four adaptation points available for target devices / navigation adapter connection (N). Further connection options for stereotactic procedures.

Individual labelling is possible here.

Clamping adapter 360° rotatable and tiltable.

Production from full aluminium block for higher stability and smoother pore-free surface.

Operating elements color marked (black/gold).



MF-Headrest System



Aluminium

Table adapters
on pages 16-17



SBH 117-000-10

MF-Headrest System with skull clamp

consisting of:

SBH 117-000-15

SBH 117-000-25

SBH 117-000-40



SBH 117-000-40

MF-Skull Clamp



SBH 117-000-15

MF-Adjustable Base Unit with connecting arm



SBH 117-000-25

MF-Swivel Adaptor

MF-Skull Pins



Stainless Steel **SST**

Titanium **TI**

Peek **PE**



Article Number	Description	Material		Application	Adult/Pediatric
SBH 117-000-50	MF-Skull Pins	Stainless Steel	SST	Reusable	Adults
SBH 117-000-52	MF-Skull Pins	Stainless Steel	SST	Reusable	Pediatric
SBH 117-000-54	MF-Skull Pins	Titanium	TI	Reusable	Adults
SBH 117-000-56	MF-Skull Pins	Titanium	TI	Reusable	Pediatric
SBH 117-000-62	MF-Skull Pins	PEEK + Stainless Steel	PE SST	Disposable	Adults
SBH 117-000-64	MF-Skull Pins	PEEK + Stainless Steel	PE SST	Disposable	Pediatric
SBH 117-000-66	MF-Skull Pins	PEEK + Titanium	PE TI	Disposable	Adults
SBH 117-000-68	MF-Skull Pins	PEEK + Titanium	PE TI	Disposable	Pediatric

Packaging unit: 1 pc



SBH 117-000-50



SBH 117-000-52



SBH 117-000-54



SBH 117-000-56



SBH 117-000-62



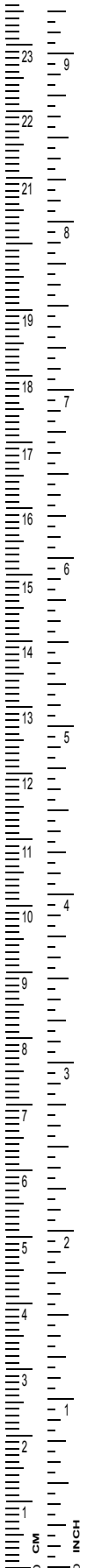
SBH 117-000-64



SBH 117-000-66



SBH 117-000-68





MF-Horseshoe Headrest



Aluminium



SBH 117-000-05

MF-Headrest System with Horseshoe Headrest

consisting of:

SBH 117-000-15

SBH 117-000-25

SBH 117-000-35

Aluminium



Table adapters
on page 16-17



SBH 117-000-35

MF-Horseshoe Headrest (incl. gel pad)



SBH 117-000-37

MF-Gel Pad Adults (set)



SBH 117-000-38

MF-Horseshoe Headrest Basis (without gel pad)



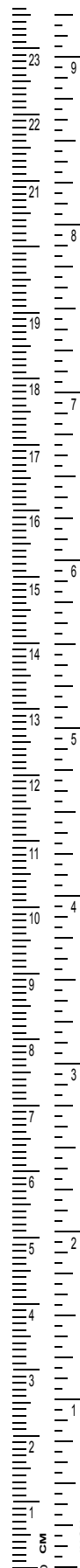
SBH 117-000-15

MF-Adjustable Base Unit with connecting arm



SBH 117-000-25

MF-Swivel Adaptor

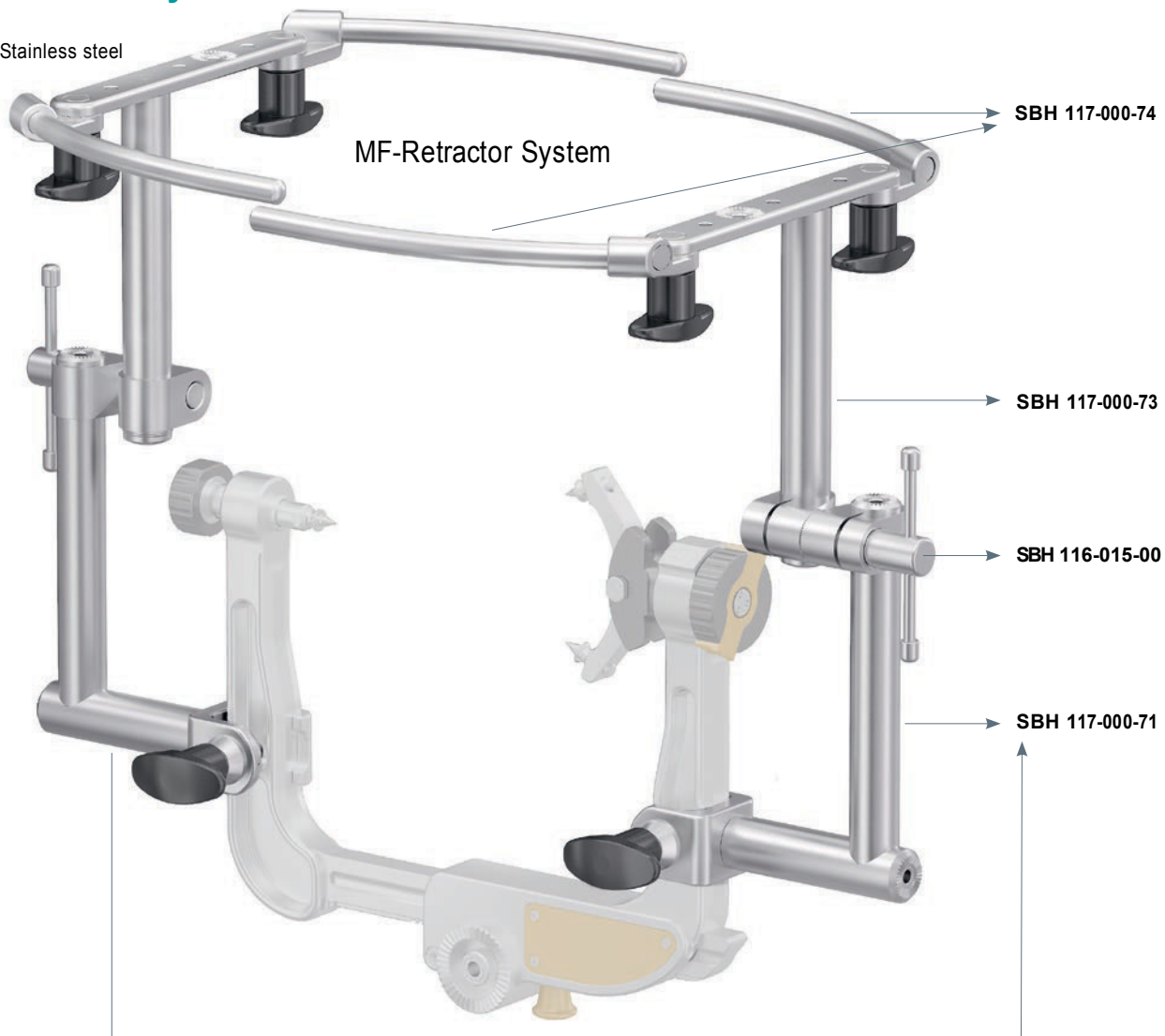




MF-Retractor System

F1

Stainless steel



SBH 117-000-70	MF-Retractor System for adaption of accessories (Viridis, Leyla...) consisting of:	
Set content	Description	Quantity
SBH 117-000-71	MF-Connection arm to basic headrest system (Set, right-left)	1
SBH 116-015-00	MF-locking connector for clamp and rod	2
SBH 117-000-73	MF-support rod with gear	2
SBH 117-000-74	MF-arm Ø12,7 slightly curved (Set, right-left)	2
SBH 117-000-72	MF-Retractor Set-up (1 side), right-left adaptable consisting of:	
Set content	Description	Quantity
SBH 117-000-71	MF-Connection arm to basic headrest system (Set, right-left)	1
SBH 116-015-00	MF-locking connector for clamp and rod	1
SBH 117-000-73	MF-support rod with gear	1
SBH 117-000-74	MF-arm Ø 12, 7 slightly curved (Set, right-left)	1

MF-Retractor System



Stainless steel

SST

Aluminium

AL



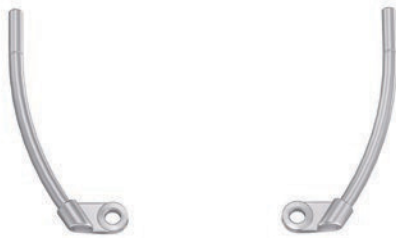
SBH 117-000-71

MF-Connection arm to basic headrest system (Set, right-left)



SBH 116-015-00

MF-locking connector for clamp and rod



SBH 117-000-74

MF-arm Ø 12,7 slightly curved (Set, right and left)



SBH 117-000-76

MF-arm Ø 12,7, short, straight (Set, right and left)

SBH 117-000-75

MF-arm Ø 12,7 curved (Set, right and left)

SBH 117-000-77

MF-arm Ø 12,7, long, straight (Set, right and left)



SBH 117-000-73

MF-support rod with gear



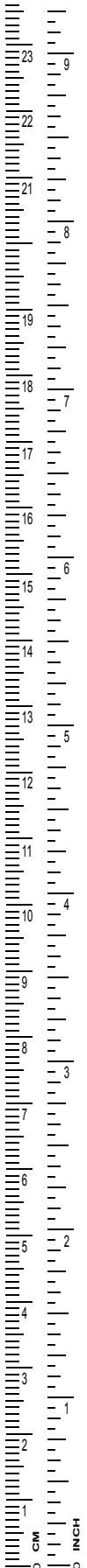
SBH 117-001-35

MF-Universal Slide Rail Fitting
(for MB1-17-001-00, please order 2 psc.)



SBH 117-001-00

MF-Crossbar, width adaptable (64 - 70 cm)





Premium MF Holding System with Special Coating

Premium MF head holding system with special coating



- The premium version with special coating and additionally with stainless components for easier, friction-free installation of the system.
- All components can be disassembled to fit into 2 trays, special inserts for secure storage during cleaning, sterilization and transport.
- The skull pin holder is available in pediatric or adult size thus the standard system can easily be adapted to the correct size.
- Additional protection at the skull clamp and at the base unit against unintentional release of the locking device.

Pins for skull clamp to be ordered separately on page 7



SBH 117-100-10

Premium MF-Headrest System with skull clamp, coated



SBH 117-100-40

Premium MF-Skull Clamp, coated (includes **SBH 117-100-42**)



SBH 117-100-42

Premium MF-Pin holder adults



SBH 117-100-43

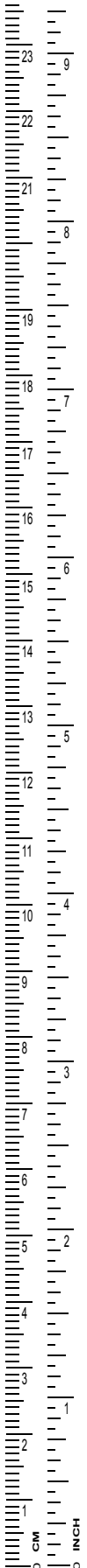
Premium MF-Pin holder pediatric

consisting of:

SBH 117-100-15

SBH 117-100-25

SBH 117-100-40



SBH 117-100-05

Premium MF-System with Horseshoe, coated



SBH 117-100-25

Premium MF-Swivel Adaptor, coated



SBH 117-100-35

Premium MF- Horseshoe Headrest, coated (with gel pads)

consisting of:

SBH 117-100-15

SBH 117-100-25

SBH 117-100-35



SBH 117-100-15

Premium Adjustable Base unit with clamp mount, coated



SBH 117-100-20

Premium MF-clamp mount for use with **SBH 117-100-16**



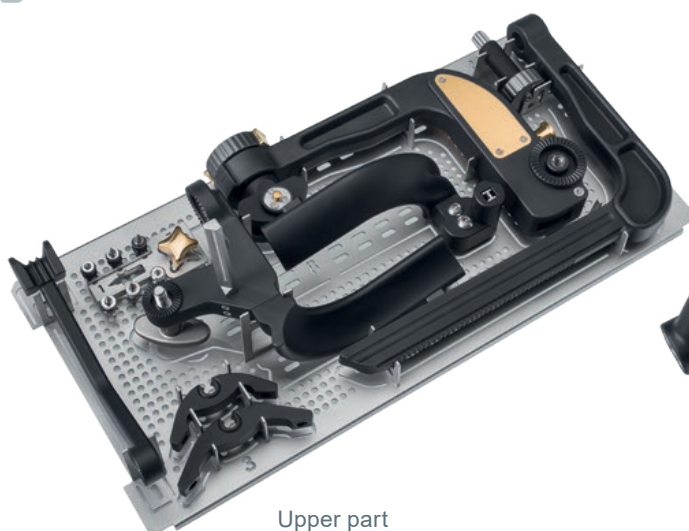
SBH 117-100-16

Premium MF-universal Adjustable Base Unit, coated with dual movable adaption to OR tables, for large OR-tables



Premium MF-System

Autoclavable



Upper part



Lower part

SBH 117-102-00

MF-Premium Headrest System in 2 trays,
with products

consisting of:

NEW

SBH 17102-15

Tray (without products) with insert and lid
dim: 537x250x197mm (LxWxD) Lid marked with
comments of set

SBH 117-100-15

Premium Adjustable Base Unit, coated

SBH 117-100-25

Premium MF-Swivel Adaptor, coated

SBH 117-102-10

Tray (without products) with insert and lid
dim 537x250x 197mm (LxWxD) Unmarked with contents
of set

SBH 117-100-40

Premium MF-Skull Clamp, coated (includes
SBH 17100-42)

SBH 117-100-38

Premium MF-Horseshoe headrest (without gel pad)

SBH 117-100-43

Premium MF-Pin holder

3* SBH 117-000-50

Pediatric MF-Skull Pins adults

3* SBH 117-000-52

MF-Skull Pins Headrest System, pediatric

SBH 117-000-37

MF-Gel Pad Adults (set)



SBH 117-100-70

Premium MF-Retractor System for adaption of accessories (Vindis, Leyla...)

consisting of:

SBH 117-100-71 ceramic coated

SBH 117-100-78 ceramic coated

SBH 117-100-73 ceramic coated

SBH 117-100-74 ceramic coated

» see on page 10



SBH 117-001-30

MF-Navigation adapter

Article number	Description
SBH 117-001-30	MF-Swivel adapter, tripod
SBH 117-001-10	MF-Navigation Adapter Stryker
SBH 117-001-12	MF-Navigation Adapter Brainlab
SBH 117-001-14	MF-Navigation Adapter Medtronic

Further accessories

Article number	Description
SBH 117-001-05	F-Cervical Spine Support
SBH 117-001-40	MF-Armrest Parkbench
SBH 117-001-45	MF-Height adjustable tripod
SBH 117-001-46	MF-Height adjustment gelpad

Further accessories

Article number	Description
SBH F30-900-61	Oil pen
SBH 117-003-05	MF-Presentation case for a complete MF-system (without products). 800 x 500 x 300 mm, with rollers and pull-out handle
SBH 117-003-06	MF-Presentation case for fairs and shows (without products)

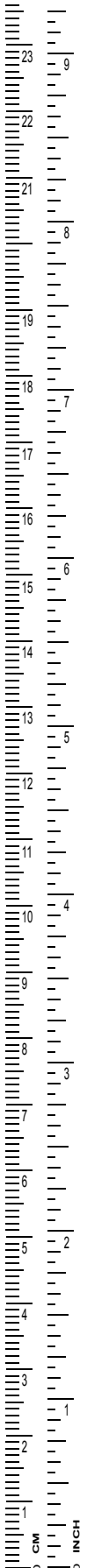




Table Adapters

Combination options and selection of table adapters

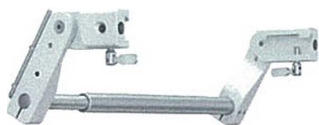


Table adapter with round tube and short side arms with rails

SBH 117-000-32 Model S

SBH 117-000-42 Model M

SBH 117-000-44 Model L

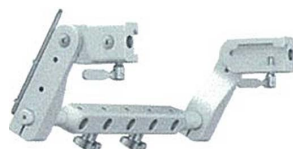


Table adapter with square rod and short side arms with rails

SBH 117-000-31 Model S

SBH 117-000-33 Model M

SBH 117-000-43 Model L

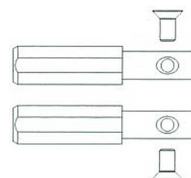


Table adapter Porkbench with long short side arms and round tube with rails

SBH 117-001-20 Model S

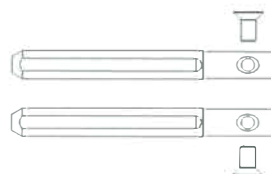
SBH 117-001-21 Model M

SBH 117-001-22 Model L



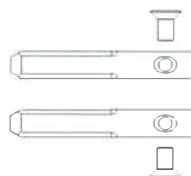
SBH 117-002-90

Connection spigot 025.4mm (1") (pair) + 2 x screw for e.g. Trump card



SBH 117-002-92

Connection spigot 019 (pair) + 2 x screw



SBH 117-002-94

Connection spigot 0.18 (pair) + 2 x screw for e.g. Moquet Yuno II



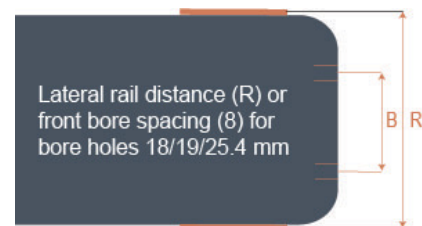
SBH 117-001-40

MF-Armrest Porkbench

Table adapters for MF-headrest system and premium MF-headrest system



Article number	Description	Rail distance in mm	Bore spacing in mm
SBH 117-000-30	MF-Siderail OR table adapter	550-610	



MF-Table adapter universal with round tube and short side arms with rails

Article Number	Description	Rail Distance in mm (R)	Bore Spacing in mm (B)
SBH 117-000-32	Model S (small size)	366-531	386-551
SBH 117-000-42	Model M (middle size)	526-690	546-710
SBH 117-000-44	Model L (large size)	685-850	705-870

To be used with **SBH 117-100-20/25/40/35**

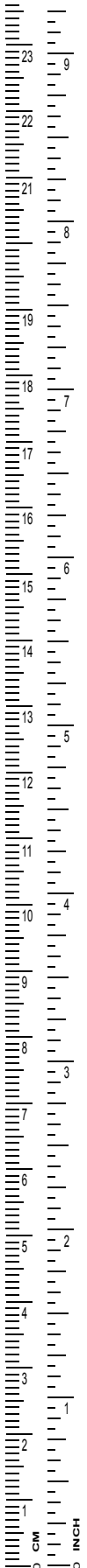
MF- Side Rail OR Table adapter universal with square rod with rails.

Article Number	Description	Rail distance in mm (R)	
SBH 117-000-31	Model S (small size)	400-520	420-540
SBH 117-000-33	Model M (middle size)	530-650	550-670
SBH 117-000-43	Model L (large size)	730-850	750-870

To be used with **SBH 117-000-15/25/40/35** or **SBH 117-100-15/25/40/35**

Table adapter Parkbench with long short side arms and around tube with rails.

Article number	Description	Rail distance in mm (R)	Bore spacing in mm (B)
SBH 117-001-20	MF-Adjustable Base Unit Parkbench, small S	366-531	386-551
SBH 117-001-21	MF-Adjustable Base Unit Parkbench, medium M	526-690	546-710
SBH 117-001-22	MF-Adjustable Base Unit Parkbench, long L	685-850	705-870

To be used with **SBH 117-000-15/25/40/35** or **SBH 117-100-15/25/40/35**



CT Compatible MF-System

CT CT Compatible

The high-tech plastic MF-headrest system is available to the user for complete X-ray transparency. This system is MRI compatible if used with table adapters (see page xx).

NEW



SBH 117-200-10

MF-Headrest system with high-tech plastic skull clamp, completely radiolucent

consisting of:

SBH 117-200-40

SBH 117-200-26

SBH117-200-31

SBH 117-200-15

including:

SBH 117-201-30

SBH 117-201-31

SBH 117-201-36

SBH 117-001-80 Key holder

» see on page 21

SBH 117-200-05

MF-Headrest system with high-tech plastic headrest, completely radiolucent

consisting of:

SBH 117-200-35

SBH 117-200-26

SBH 117-200-31

SBH 117-200-15

including:

SBH 117-201-30

SBH 117-201-31

SBH 117-201-36

SBH 117-001-80 Key holder

» see on p. 21

CT Compatible



SBH 117-200-40

MF-Skull clamp radiolucent
(Pins to be ordered separately. p. 7)



SBH 117-200-26

MF-Swivel Adapter short for skull holder

SBH 117-200-41

MF-Skull Clamp with Integra adaption

SBH 117-200-25

MF-Swivel Adapter long for skull holder

SBH 117-200-35

MF-Horseshoe Headrest (with gel pad)

SBH 117-200-38

MF-Horseshoe Headrest (without gel pad)

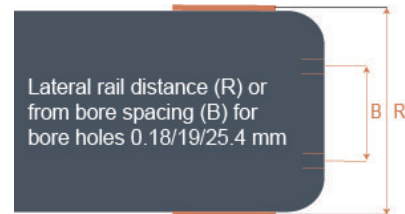
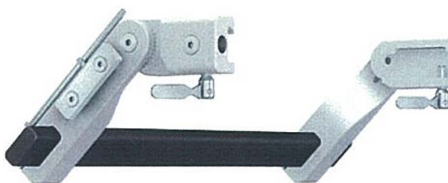


SBH 117-200-15

MF-connecting arm for swivel adapter

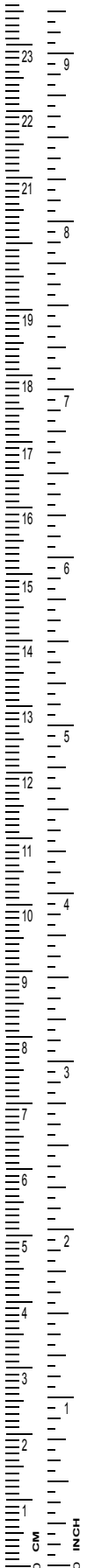
SBH 117-000-37

MF-Gel pads



MF-table adapter with high-tech plastic rod

Article number	Description	Rail distance in mm	Bore spacing in mm
SBH 117-200-30	MF-Table adapter with high-tech plastic rod, model S	360-480	380-500
SBH 117-200-31	MF-Table adapter with high-tech plastic rod, model M	530-650	550-670
SBH 117-200-32	MF-Table adapter with high-tech plastic rod, model L	780-900	800-920





CT/MRI Compatible MF-System

CT CT compatible

MRI MRI compatible



The new MF table connection for cranial fixation with skull clamp is placed when using intraoperative magnetic resonance imaging (MRI) or intraoperative X-ray (CT).

- Adaptable to the skull clamp MBI-17-200-40 and horseshoe headrest SBH 117-200-35 via standard interface made of HighTech plastic thus completely X-ray transparent and MRI-compatible
- Easily mountable on standard OR tables
- Table connection directly mountable on Maquet OR tables (screw length: 40 mm)
- Screws with 80 mm are available as an additional option
- Easily adjustable, tiltable, adaptable in the various desired positions
- Stable and flexible

Compatible with Doro Lucent® system, Black Forest Medical Group/ProMed Instruments (PMI)

Compatible with special adapter to MAYFIELD® Imaging XR2 (Integra)





CT compatible **CT**

MRI compatible **MRI**



SBH 117-201-20

MF-table adapter for Maquet-tables CT and MRI compatible, contains 4x screws (incl. nuts) with a length of 40 mm for adaptation to the OR table

including:

- SBH 117-201-30**
- SBH 117-201-31**
- SBH 117-201-36**
- 4x SBH 609-984-10,1**



SBH 117-201-21

MF-table adapter, CT and MRI compatible (without screws)

including:

- SBH 117-201-30**
- SBH 117-201-31**
- SBH 117-201-36**



SBH 117-201-30

Key



SBH 117-201-31

Key angled

SBH 117-201-36

Box spanners for screw handles

Can be ordered separately for **SBH 117-201-21**

Article number	Description	Quantity necessary
SBH 609-984-30,1	Hex nut M16, packaging unit: 1 pc	4
For operating tables with a thickness > 1.5cm		
SBH 609-984-15,1	Screw with M16x80mm length, packaging unit: 1 pc	4
For operating tables w11h a thickness <1.5 cm		
SBH 609-984-10,1	Screw with M16x40mm length, packaging unit: 1 pc	4

Accessories



SBH 417-200-05

Connection piece table adapter to the skull clamp Integra
SBH 117-200-41



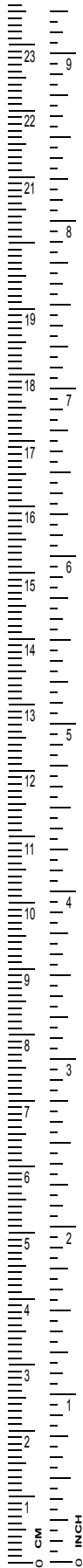
SBH 117-201-22

MF-Universal OR table adapter for all EU & US rails) to be used with
SBH 117-200-20



SBH 117-200-20

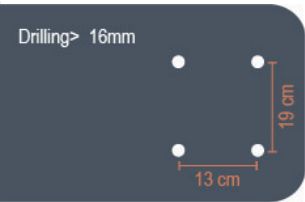
MF-connecting arm for swivel adapter

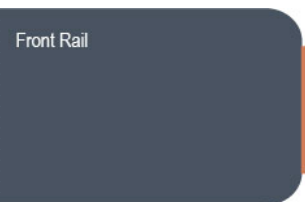
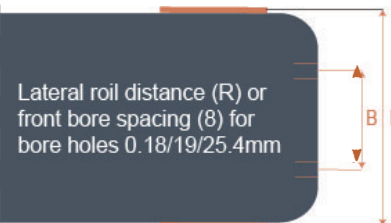




Possible Combinations

Possible combinations, compatibilities and processing recommendations

OR table	OR Table Thickness	Accessories
	Maquet OP table or table with M76 threaded holes	
	thickness > 7.5 cm	 4x SBH 609-984-10-1
	thickness > 1.5 cm	 4x SBH 609-984-151

OR table	OR table adapters
	 SBH 117-201-22
	 MF-table adapter with high-tech plastic rod
	SBH 117-200-30 Rail distance 36-48cm, Bore spacing 38-50cm
	SBH 117-200-31 Rail distance 53-65cm, Bore spacing 55-67cm
	SBH 117-200-32 Rail distance 78-90cm, Bore spacing 80-92cm



☁ Autoclavable - - - - CT compatible CT/MRI compatible

OR table adapters

skull clamp



SBH 117-201-20



SBH 117-201-21

4x **SBH 609-984-30,1**



SBH 417-200-05 ☁



SBH 417-200-41 ☁

With Integra thread



SBH 117-200-40 ☁

SBH 117-200-35 ☁

MF-Horseshoe Headrest (with gel pad)

connecting arm



SBH 117-200-20



SBH 117-200-26 ☁

short



SBH 117-200-15

SBH 117-200-25 ☁

long



SBH 417-002-90

0.25,4mm (1")



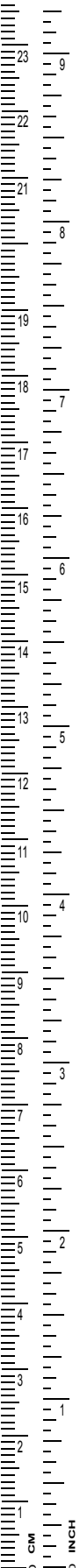
SBH 417-002-92

0.19mm



SBH 417-002-94

0.18mm





V797D-70161



Strategic Business Holdings, Inc.

...Quality Products, Superior Customer Service, & Support

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