



BONE MANAGEMENT® CATALOG

SURGERY & BONE
AUGMENTATION
TECHNIQUES

– YOUR KEY
TO SUCCESS

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Note: Not all products contained in this catalog are available in all countries.



Benex®-Control

Root Extraction System |
developed with Dr. Benno Syfrig

Benex®-Control is outstandingly suitable for the controlled and safe extraction of dental roots and dental root fragments, so the conventional extraction method using forceps and leverage can be avoided. Thanks to the innovative construction of the extractor, the root can be easily removed in a particularly controlled manner without damaging bone or soft tissue. To guarantee an optimal vertical transmission of force, there must be a flat area providing a supporting surface to the extractor. The quadrant support was developed specifically to provide this optimal support while also protecting existing dentition and providing support for the extractor in case of edentulous circumstances.



Application Video



Art.-No. CBE00

AT A GLANCE

- Safe and controlled extraction of roots
- Possibility of immediate implant placement
- Maximum preservation of the vestibular bone wall due to vertical extraction
- Optimal protection of bone and soft tissues
- Applicable to small root fragments
- Osteotomy can be prevented
- High patient acceptance



© Dr. Benno Syfrig

	Diamond instrument	Pilot burs	Extraction screws				
Fig.	859L*	A2001	B2001	BE001 060	BE001 070	BE001 080	BE001 085
Shank ¹	204	205	205	-	-	-	-
Size ²	010	013	016	-	-	-	-
Length mm	12.0	15.0	15.0	10.0	16.0	10.0	16.0
	-	-	-	1.3	1.3	1.8	1.8
	1.0	1.3	1.6	1.6	1.6	2.1	2.1

¹ 204=RA, 205=RA L ² Largest working part diameter in 1/10 mm

Minimal diameter

External diameter



	Insertion aid	Traction strings ³	Protecting cap	Extractor ⁴	Quadrant support ³
Fig.	BE001 045	BE001 055	BE001 020	BE001 021	BE001 SK60
Length mm	8.2	18.2	48.0	39.0	8.0
					BE001 010*
					129.0
					BE001 090
					-

* incl. straight Teflon® bite plate

Minimal diameter

External diameter

Optionally available:

Teflon® coated bite plate (straight)¹



BE001 015

straight

Fig.

Periotome



HI306



Crest-Control

Horizontal Bone Splitting System

Crest-Control is a horizontal bone splitting system which allows for a predetermined and minimally invasive widening of the horizontally resorbed alveolar ridge, particularly in the distal lower jaw. With the well-proven Horizontal Spreaders, the alveolar ridge can be expanded up to a maximum of 5 mm, allowing an implant of every common system to be inserted in the widened segment.

AT A GLANCE

- Controlled widening of horizontally resorbed bone
- Effective in increasing the width of narrow alveolar ridges
- Preparation of the bone for all common implant systems
- Minimally invasive treatment concept
- Gentle widening of the alveolar ridge



Application Video

Art.-No. CCR00

	Initial bur	Diamond coated saws		Osteotomy instruments		Adapter Horizontal Spreader	Ratchet illustrated 1:3
Fig.	186RF	231DC*	231DC*	HM33IL**	HM254E**	SW0L1	CARA4
Shank ¹	204	204	204	205	205	-	-
Size ²	018	100	130	010	012	-	-
Length mm	12.0	0.3	0.3	5.5	6.0	27.0	84.0
Δ	-	-	-	-	-	-	-
□	1.8	10.0	13.0	1.0	1.2	-	-

¹ 204=RA, 205=RA L

Largest working part diameter in 1/10 mm

Δ Minimal diameter

□ External diameter



Optionally available:

Horizontal spreaders (2 pcs.)	
Fig.	VCD50
Width mm	6.0
Length mm	9.75
Height mm	10.6
Lifting Height mm	Max. 5.0

Adapter Horizontal Spreader	
Fig.	SW0K1
Shank ¹	-
Size ²	-
Length mm	22.0
Δ	-
□	-

Δ Minimal diameter
□ External diameter



Split-Control 12 mm

Bone Spreading and Bone Condensing System

Split-Control 12 mm is a system for gentle widening of the alveolar ridge and simultaneous lateral bone condensing in the case of a horizontal bone deficit. With the aid of screw-like condensing and spreading instruments (Spreaders), it is possible to achieve a controlled and gentle dilatation of horizontally resorbed bone (Bone Spreading). Further, cancellous bone is condensed due to the special geometry of the spreaders (Bone Condensing), so that the primary stability of the inserted implants is increased.

Split-Control 12 mm provides an extensive range of instruments for a controlled dilatation with spreaders with a length of 12 mm.



Application Video
Art.-No. CSP12



AT A GLANCE

- Controlled spreading of horizontally resorbed bone
- Gentle bone condensing with the aid of non-cutting Archimedes screws
- Increased primary stability of the inserted implants
- Effective in increasing the width of narrow alveolar ridges
- Preparation of the bone for all common implant systems



	Initial bur	Diamond coated saws		Osteotomy instruments		Pilot burs		Expansion burs 12 mm		Ratchet
Fig.	186RF	231DC*	231DC*	HM33IL**	HM254E**	B1001	E1001	A2003	D2003	CARA4
Shank	RA	RA	RA	RAL	RAL	RAXL	RAXL	RAL	RAL	-
Size ¹	018	070	130	010	012	013	020	023	030	-
Length mm	12.0	0.3	0.3	5.5	6.0	18.0	18.0	12.0	12.0	84.0
	-	-	-	-	-	-	-	1.30	2.03	-
	1.8	7.0	13.0	1.0	1.2	1.3	2.0	2.3	3.0	-

¹ Largest working part diameter in 1/10 mm

Minimal diameter

External diameter

* **

	Spreaders 12 mm						Jolly aids spreaders		
Fig.	A2005	B2005	C2005	D2005	E2005	F2005	CA1RB	CA0RB	CA8RA
Shank	-	-	-	-	-	-	-	-	RA
Size ¹	027	029	031	033	035	040	-	-	-
Length mm	12.0	12.0	12.0	12.0	12.0	12.0	18.0	25.0	24.0
	1.70	1.91	2.12	2.33	2.54	3.06	-	-	-
	2.7	2.9	3.1	3.3	3.5	4.0	-	-	-

¹ Largest working part diameter in 1/10 mm

Minimal diameter

External diameter



Split-Control 15 mm

Horizontal Bone Spreading and Condensing System

Split-Control 15 mm is a system for gentle widening of the alveolar ridge and simultaneous lateral bone condensing in the case of a horizontal bone deficit. With the aid of screw-like condensing and spreading instruments (Spreaders), it is possible to achieve a controlled and gentle dilatation of horizontally resorbed bone (Bone Spreading). Further, cancellous bone is condensed due to the special geometry of the spreaders (Bone Condensing), so that the primary stability of the inserted implants is increased.

Split-Control 15 mm provides an extensive range of instruments for a controlled dilatation with spreaders with a length of 15 mm.



Application Video

Art.-No. CSP15



© Dr. Boyer & Dr. Kistler

	Initial bur	Diamond coated saws		Osteotomy instruments		Pilot burs		Expansion burs 15 mm		Ratchet
Fig.	186RF	231DC*	231DC*	HM33IL	HM254E	A1001	D1001	A1003	D1003	CARA4
Shank	RA	RA	RA	RAL	RAL	RAXL	RAXL	RAXL	RAXL	-
Size ¹	018	070	130	010	012	010	018	023	030	-
Length mm	12.0	0.3	0.3	5.5	6.0	18.0	18.0	15.0	15.0	84.0
	-	-	-	-	-	-	-	1.03	1.75	-
	1.8	7.0	13.0	1.0	1.2	1.0	1.8	2.3	3.0	-

¹ Largest working part diameter in 1/10 mm

Minimal diameter

External diameter



	Spreaders 15 mm						Jollying aids spreaders		
Fig.	A1005	B1005	C1005	D1005	E1005	F1005	CA1RB	CA0RB	CA8RA
Shank	-	-	-	-	-	-	-	-	RA
Size ¹	027	029	031	033	035	040	-	-	-
Length mm	15.0	15.0	15.0	15.0	15.0	15.0	18.0	25.0	24.0
	1.43	1.64	1.84	2.05	2.26	2.79	-	-	-
	2.7	2.9	3.1	3.3	3.5	4.0	-	-	-

¹ Largest working part diameter in 1/10 mm

Minimal diameter

External diameter



Split-Control Plus

Combination of Split-Control and Crest-Control

Split-Control Plus is a combination of the proved Split-Control and Crest-Control systems, so it offers an extensive range of instruments for controlled bone spreading and condensing. It contains both specially designed screw-like condensing and spreading instruments (Spreaders) and horizontal spreaders that allow for controlled and standardized spreading of horizontally resorbed bone. Due to the special geometry of the screw-like spreaders, cancellous bone is gently condensed while the Horizontal Spreaders allow for a dilatation up to a width of 5 mm, so the bone is optimally prepared for the insertion of every common implant.

AT A GLANCE

- Combined System of Crest- and Split-Control
- Possibility of combining bone splitting and spreading techniques
- Horizontal spreaders for gentle widening of the alveolar ridge by up to 5 mm
- Non-cutting Archimedes screws for gentle bone condensing
- Preparation of the bone for insertion of all common implant systems



Art.-No. CSPPL



Application Video

	Initial bur	Diamond coated saws		Osteotomy instruments		Pilot burs		Expansion burs 12 mm	
Fig.	186RF	231DC*	231DC*	HM33IL**	HM254E**	A1001	D1001	A2003	D2003
Shank	RA	RA	RA	RAL	RAL	RAXL	RAXL	RAL	RAL
Size ¹	018	100	130	010	012	010	018	023	030
Length mm	12.0	0.3	0.3	5.5	6.0	18.0	18.0	12.0	12.0
	-	-	-	-	-	-	-	1.30	2.03
	1.8	10.0	13.0	1.0	1.2	1.0	1.8	2.3	3.0

¹ Largest working part diameter in 1/10 mm

Minimal diameter

External diameter

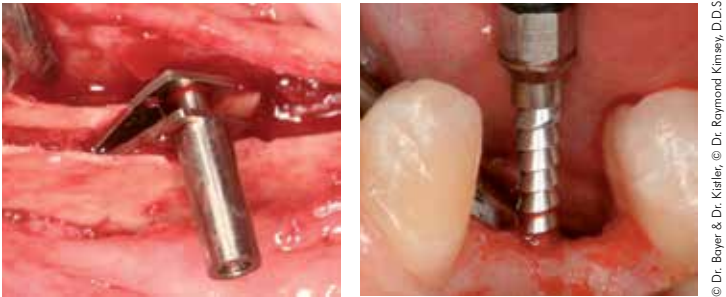
* **

	Spreaders 12 mm						Jolly aids spreaders		Adapter horizontal spreaders	Ratchet illustrated 1:3	Horizontal spreaders (2 pcs.)	
Fig.	A2005	B2005	C2005	D2005	E2005	F2005	CA1RB	CA8RA	SW0L1	CARA4	Fig.	VCD50
Shank	-	-	-	-	-	-	-	RA	-	-	Width mm	6.0
Size ¹	027	029	031	033	035	040	-	-	-	-	Length mm	9.75
Length mm	12.0	12.0	12.0	12.0	12.0	12.0	18.0	24.0	27.0	84.0	Height mm	10.6
	1.70	1.91	2.12	2.33	2.54	3.06	-	-	-	-	Lifting Height mm	Max. 5.0
	2.7	2.9	3.1	3.3	3.5	4.0	-	-	-	-		


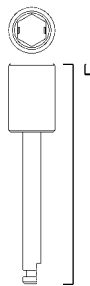
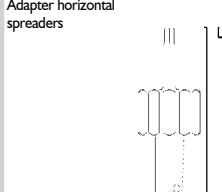


¹ Largest working part diameter in 1/10 mm

Minimal diameter


External diameter




Optionally available:

			
Fig.	CA0RB	CA9RA	SW0K1
Shank	-	RAL	-
Size ¹	-	-	-
Length mm	25.0	29.0	22.0
	-	-	-
	-	-	-

¹ Largest working part diameter in 1/10 mm

 Minimal diameter

 External diameter



Split-Control Professional

Bone Spreading and Bone Condensing System |
Used by Dr. Martin Bonsmann

Split-Control Professional is a system for gentle widening of the alveolar ridge and simultaneous lateral bone condensing in the case of a horizontal bone deficit. With the aid of screw-like condensing and spreading instruments (Spreaders), it is possible to achieve a controlled and gentle dilatation of horizontally resorbed bone (Bone Spreading). Further, cancellous bone is condensed due to the special geometry of the spreaders (Bone Condensing), so that the primary stability of the inserted implants is increased.

To be able to respond more precisely in specific indications, the Split-Control Professional contains a broad range of spreader sizes.



Art.-No. BSPPR

	Initial bur	Diamond coated saws		Osteotomy instruments		
Fig.	186RF	231DC*	231DC*	HM33IL**	859*	859L*
Shank	RA	RA	RA	RAL	RA	RA
Size ¹	018	070	100	010	018	010
Length mm	12.0	0.3	0.3	5.5	10.0	12.0
	-	-	-	-	-	-
	1.8	7.0	10.0	1.0	1.8	1.0

¹ Largest working part diameter in 1/10 mm

Minimal diameter

External diameter

* **

	Pilot burs						Expansion burs 15 mm	
Fig.	A1001	B1001	C1001	D1001	E1001	F1001	A1003	D1003
Shank	RAXL	RAXL	RAXL	RAXL	RAXL	RAXL	RAXL	RAXL
Size ¹	010	013	015	018	020	025	023	030
Length mm	18.0	18.0	18.0	18.0	18.0	15.0	15.0	15.0
	-	-	-	-	-	-	1.03	1.75
	1.0	1.3	1.5	1.8	2.0	2.5	2.3	3.0

¹ Largest working part diameter in 1/10 mm

Minimal diameter

External diameter



	Expansion burs 12 mm		Expansion burs 10 mm		Spreaders 15 mm					
Fig.	A2003	D2003	C3003	E3003	A1005	B1005	C1005	D1005	E1005	F1005
Shank	RAL	RAL	RAL	RAL	-	-	-	-	-	-
Size ¹	023	030	028	032	027	029	031	033	035	040
Length mm	12.0	12.0	10.0	10.0	15.0	15.0	15.0	15.0	15.0	15.0
Δ	1.30	2.03	2.00	2.42	1.43	1.64	1.84	2.05	2.26	2.79
\square	2.3	3.0	2.8	3.2	2.7	2.9	3.1	3.3	3.5	4.0

¹ Largest working part diameter in 1/10 mm Δ Minimal diameter \square External diameter

	Spreaders 12 mm						Spreaders 10 mm				Spreaders 11 mm	
Fig.	A2005	B2005	C2005	D2005	E2005	F2005	C3005	D3005	E3005	F3005	G2005	H2005
Shank	-	-	-	-	-	-	-	-	-	-	-	-
Size ¹	027	029	031	033	035	040	031	033	035	040	045	050
Length mm	12.0	12.0	12.0	12.0	12.0	12.0	10.0	10.0	10.0	10.0	11.0	11.0
Δ	1.70	1.91	2.12	2.33	2.54	3.06	2.30	2.51	2.72	3.24	3.65	4.17
\square	2.7	2.9	3.1	3.3	3.5	4.0	3.1	3.3	3.5	4.0	4.5	5.0

¹ Largest working part diameter in 1/10 mm Δ Minimal diameter \square External diameter

	Jolly aids spreaders				Ratchet
Fig.	CA1RB	CA0RB	CA8RA	CA9RA	CARA4
Shank	-	-	RA	RAL	-
Size ¹	-	-	-	-	-
Length mm	18.0	25.0	24.0	29.0	84.0
Δ	-	-	-	-	-
\square	-	-	-	-	-

¹ Largest working part diameter in 1/10 mm Δ Minimal diameter \square External diameter

Used by
Dr. Martin Bonsmann
Düsseldorf, Germany





BONE MANAGEMENT® MASTER-LINE



Developed by
Prof. Istvan Urban, DMD, MD, PHD

Systems for a holistic workflow from the extraction of autologous bone material to the treatment of multi-dimensional augmentations





Master-Core Pg 14-15

Innovative Trephine System for controlled extraction of bone cylinders with automatic depth stop

Master-Mill Pg 16

Surgical Bone Mill for the reliable crushing of autologous bone blocks

Master-Pin Pg 17

Unique Pin System for safe membrane fixation



BONE MANAGEMENT® COMPETENCE CENTER



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Master-Core Basic NEW

Safe Bone Cylinder Extraction | Developed by Prof. Istvan Urban

The Master-Core Basic is used for the simple and safe extraction of bone cylinders in the context of bone augmentation. For this purpose, the system contains trephines with different lengths and diameters. Due to the different lengths, the trephines have an automatic depth stop, which ensures the protection of anatomical structures and thus allows for a particularly safe and controlled bone extraction. In addition, depth markings on the trephines' working parts enable additional depth control during the extraction. The black coating of the trephines allows for glare-free work and the optimal visibility of the depth markings.



Master-
Line
by
Prof. Istvan Urban




Art.-No. BMCBA


AT A GLANCE

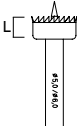
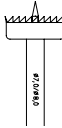



- Simple and safe extraction of bone cylinders
- Optimal protection of anatomical structures thanks to depth-limited trephines
- Depth markings on the trephines for additional depth control
- Extraction of bone cylinders of different diameters and lengths
- Black coating on the trephines for glare-free work

Trephines										
Fig.	229IU	229IU	229IU	229IU	229IU	229IU	229IU	229IU	229IU	229IU
Shank	RAXL	RAXL	RAXL	RAXL	RAXL	RAXL	RAXL	RAXL	RAXL	RAXL
Size ¹	603	604	605	606	607	803	804	805	806	807
Length mm	3.0	4.0	5.0	6.0	7.0	3.0	4.0	5.0	6.0	7.0
	5.0	5.0	5.0	5.0	5.0	7.0	7.0	7.0	7.0	7.0
	6.0	6.0	6.0	6.0	6.0	8.0	8.0	8.0	8.0	8.0

¹ Largest working part diameter in 1/10 mm

 Internal diameter

 External diameter

	Initial Bur Trephines		Drill Extension
			
Fig.	DV229	DV229	BV025
Shank	RA	RA	RAL
Size ¹	050	070	-
Length mm	2.0	2.0	25.5
	5.0	7.0	-
	5.7	7.7	-

¹ Largest working part diameter in 1/10 mm

 Internal diameter

 External diameter



Master-Core Professional

NEW

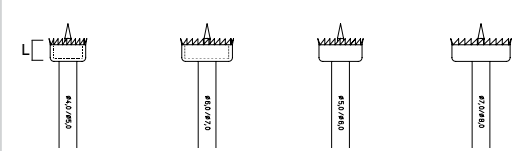
Safe Bone Cylinder Extraction | Developed by Prof. Istvan Urban

The Master-Core Professional is used for the simple and safe extraction of bone cylinders in the context of bone augmentation. For this purpose, the system contains trephines with different lengths and diameters. Due to the different lengths, the trephines have an automatic depth stop, which ensures the protection of anatomical structures and thus allows for a particularly safe and controlled bone extraction. In addition, depth markings on the trephines' working parts enable additional depth control during the extraction. The black coating of the trephines allows for glare-free work and the optimal visibility of the depth markings. To be able to respond more precisely in specific indications, the Master-Core Professional contains a broad range of instruments.



Art.-No. BMCPR

Initial Bur Trephines



Drill Extension

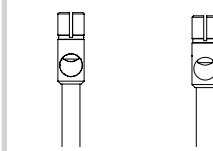


Fig.	DV229	DV229	DV229	DV229	BV024	BV025
Shank	RA	RA	RA	RA	RAL	RAL
Size ¹	040	050	060	070	-	-
Length mm	2.0	2.0	2.0	2.0	23.5	25.5
□	4.0	5.0	6.0	7.0	-	-
□	4.7	5.7	6.7	7.7	-	-

¹ Largest working part diameter in 1/10 mm

□ Internal diameter

□ External diameter

Trephines

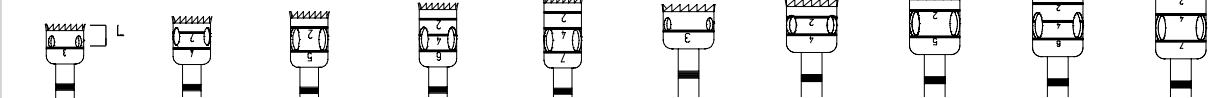


Fig.	229IU	229IU	229IU	229IU	229IU	229IU	229IU	229IU	229IU	229IU
Shank	RAXL	RAXL	RAXL	RAXL	RAXL	RAXL	RAXL	RAXL	RAXL	RAXL
Size ¹	503	504	505	506	507	603	604	605	606	607
Length mm	3.0	4.0	5.0	6.0	7.0	3.0	4.0	5.0	6.0	7.0
□	4.0	4.0	4.0	4.0	4.0	5.0	5.0	5.0	5.0	5.0
□	5.0	5.0	5.0	5.0	5.0	6.0	6.0	6.0	6.0	6.0

¹ Largest working part diameter in 1/10 mm

□ Internal diameter

□ External diameter

Trephines

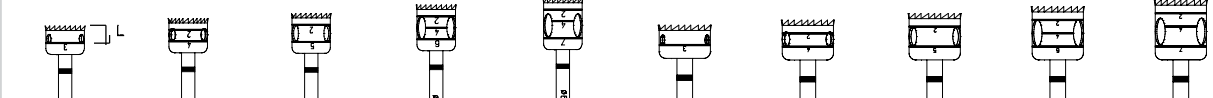


Fig.	229IU	229IU	229IU	229IU	229IU	229IU	229IU	229IU	229IU	229IU
Shank	RAXL	RAXL	RAXL	RAXL	RAXL	RAXL	RAXL	RAXL	RAXL	RAXL
Size ¹	703	704	705	706	707	803	804	805	806	807
Length mm	3.0	4.0	5.0	6.0	7.0	3.0	4.0	5.0	6.0	7.0
□	6.0	6.0	6.0	6.0	6.0	7.0	7.0	7.0	7.0	7.0
□	7.0	7.0	7.0	7.0	7.0	8.0	8.0	8.0	8.0	8.0

¹ Largest working part diameter in 1/10 mm

□ Internal diameter

□ External diameter



Master-Mill

NEW

Surgical Bone Mill | Used by Prof. Istvan Urban

The Master-Mill is a surgical bone mill used for crushing autologous bone blocks, thus preserving small autologous bone chips. With the help of these bone chips, bone defects of all shapes can be optimally filled. The individual components of the Master-Mill are made of high quality, surgical stainless steel. All parts feature an optimal fit and a stable geometry, allowing the Master-Mill to be easy to handle with ease of assembly and intuitive use.

Master-
Line
by
Prof. Istvan Urban



Art.-No. BKM00

AT A GLANCE

- Milling of autologous bone blocks
- Augmentation of bone defects of all shapes
- Individual components made of high quality, surgical stainless steel
- Stable geometry
- Easy and intuitive handling

Master-Mill (incl. Grinder)



Fig.

BKM00

Separate Grinder



BKMMW



© Huger & Meisinger GmbH



Master-Pin-Control

Pin System for Membrane Fixation | Developed with Prof. Istvan Urban

Master-Pin-Control is designed especially for the fixation of resorbable, non-resorbable and titanium reinforced membranes. The included pins consist of titanium alloy Grade 5 and have a groove which increases the surface of the pins. Due to the groove and a unique head-design, the pins can be loosened easily and safely which is especially important after a successful healing period. With their sharp tip and very stable shank, they can easily and precisely be inserted into dense cortical bone.



Master-
Line
by
Prof. Istvan Urban

Art.-No. BMP00

35x Pins



© Dr. Istvan Urban

AT A GLANCE

- No bending, no breakage - Safe Fixation of Membranes with Pins made of Titanium Alloy Grade 5
- Sharp tip and high stability of the pins allow for precise placement of the pins in cortical bone and at an angle
- Easy Removal from the tray and placement of the pins due to the specially developed Pin-Holder
- Instruments for the placement of Bleeding Points for optimal healing conditions

	Initial burs (2 pcs.)	Twist drills (Each 2 pcs.)	Pins (35 pcs.)	
Fig.	186RF	203RF	203RF	MP10*
Shank	RA	RAL	RAL	-
Size ¹	018	006	008	-
Length mm	12.0	7.0	7.0	3.65
	-	-	-	0.87
	1.8	0.6	0.8	0.95
Head-Ø mm	-	-	-	2.51

¹ Largest working part diameter in 1/10 mm

Minimal diameter External diameter



Fig.	MP11
	(Length mm: 35.0)
Fig.	MP12
	(Length mm: 170.0)
Fig.	MP14
	(Length mm: 165.0)

Optionally available:



Refill Pins

Pack of 10 Pins (MP10*)

Pack of 50 Pins (MP50*)

Pack of 100 Pins (MP100*)

Titanium Alloy Grade 5



Decorticating Twist Drill with Stop
According to Dr. Istvan Urban
3mm Cutting Length



203S
stainless steel

Fig.	Shank	Ref.-No.		2
			L mm	3,0
203S	RA	330 204 449 336		012



Screwdriver



Fig. MP15
(Length mm: 148.0)

Mallet



Fig. H1070
(Length mm: 195.0)



BONE MANAGEMENT[®] KHOURY-LINE



Developed by
Prof. Dr. Fouad Khoury

Holistic system composition for the extraction, fixation and stabilization of cortical bone grafts according to Prof. Dr. Khoury - optimally complemented by selected manual instrument assortments for treatment of hard and soft tissue





Trephine Ejection Kit Pg 20-21

Trephine System for Extraction of Cylindrical Bone Grafts

Micro Screw System Pg 22-23

Bone Screw System for safe fixation and stabilization of cortical bone blocks

Ost-Tray Pg 24

Selection of Manual Instruments for Oral Surgery

Soft-Tissue-Tray Pg 25

Selection of Manual Instruments for Soft-Tissue Management

Sinus-Tray Pg 25

Selection of Manual Instruments for external Sinus Lift



BONE MANAGEMENT® COMPETENCE CENTER



Olsberg, Germany

Prof. Dr. Fouad Khoury

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Dr. Alexander Zastera MSc. | Olsberg, Germany



Dr. Romain Doliveux | Freiburg, Germany



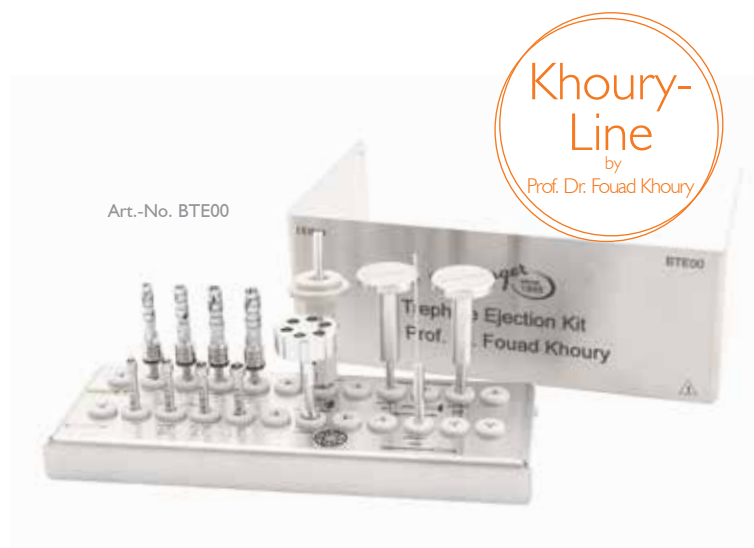
Dr. Michael Berthold | München, Germany



Trephine Ejection Kit

Trephine System for Extraction of Cylindrical Bone Grafts Developed by Prof. Dr. Fouad Khoury

The Trephine Ejection Kit was developed together with Prof. Dr. Fouad Khoury. It contains several unique ideas which turn this kit into something special: Two-part, internally cooled trephines allow for a safe and minimal invasive extraction of local bone cylinders. The inner cooling helps to prevent damage of the bone tissue due to overheating, while the removable trephine working parts allow for an especially easy sampling of the cut out bone cylinders. Either with the aid of the ejection needle or the ejection instruments, which perfectly match with the diameter of the trephine working parts, the bone cylinders can be pushed out of the trephines. Furthermore, the included pre-drilling trephines allow for a safe application of the trephines. Due to the two-part trephines, the variety of different diameters and the optimal matching of the instruments, the Trephine Ejection Kit offers highest efficiency, flexibility and precision to the user for the extraction of bone cylinders.



PROCESS HIGHLIGHTS



© Prof. Dr. Fouad Khoury

Bone core are harvested from the implant site minimal invasive with the pre- and main trephine in different diameter.



Bone core augmentation stabilized with micro-screws.

AT A GLANCE

- Two-part trephines for a safe and minimal invasive extraction of bone cylinders
- Protection against overheating due to internally cooled trephines
- Standardized diameters and precise laser markings of the trephines allow for a predictable extraction of defined bone cylinders
- Perfectly matched instruments care for highest precision and flexibility





	Initial bur trephines				Shank (4 pcs.)	Trephines			
Fig.	230KH	230KH	230KH	230KH	229KH*	229KH	229KH	229KH	229KH
Shank	RA	RA	RA	RA	RA	UNM	UNM	UNM	UNM
Size ¹	021	025	029	033	000	021	025	029	033
Length mm	2.0	2.0	2.0	2.0	20.5	15.5	15.5	15.5	15.5
	2.1	2.5	2.9	3.3	-	2.1	2.5	2.9	3.3
	3.1	3.5	3.9	4.3	-	3.1	3.5	3.9	4.3

¹ Largest working part diameter in 1/10 mm

Internal diameter

External diameter

* 10-pack replacement O-rings available under Art.-No. 2151.

	Ejection instruments			Ejection sleeve	Hand wheel
Fig.	ASTKH	ASTKH	ASNKH	ASHKH	HRKH1
Shank	-	-	-	-	-
Size ¹	021	029	008	-	-
Length mm	22.0	22.0	37.0	28.0	15.5
	-	-	-	5.5	-
	5.5	5.5	-	-	-
	2.1	2.9	0.8	-	-

¹ Largest working part diameter in 1/10 mm

Internal diameter

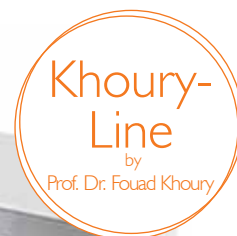
External diameter



Micro Screw System Basic NEW

'Olsberger Konzept' by Prof. Dr. Fouad Khoury

The Bone Management® Micro Screw Systems are used for the safe fixation and stabilization of cortical bone grafts. The special feature of these systems are the osteosynthesis screws, which have a diameter of 1.0 mm and 1.2 mm. These Micro Screws are made of surgical stainless steel, which gives them high stability despite their reduced diameter.



Art.-No. BMSBA

Optionally available:

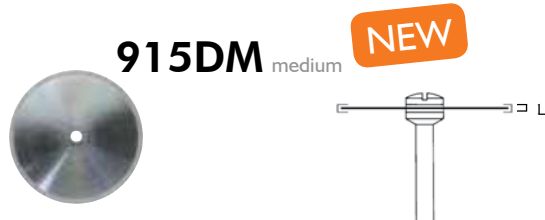


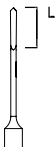

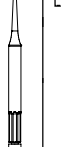





Fig.	Shank	Ref.-No.	1
		L mm	0,25
915DM	HP	806 104 35M 524	220
	unmounted	806 900 35M 524	220

Super flexible



	Pilot burs		Initial bur		Screw driver basic		Screw driver RA
							
Fig.	MSPB1	MSPB2	202RF	202RF	MSSDE	MSSDW	
Shank	RA	RA	RAXL	RAXL	-	RA	
Size ¹	008	010	008	010	-	-	
Length mm	14.0	14.0	14.0	14.0	101.7	24.0	
	-	-	-	-	-	-	
	0.8	1.0	0.8	1.0	-	-	

¹ Largest working part diameter in 1/10 mm

Minimal diameter

External diameter

	Screws (Each 3 pcs.)			Screws (Each 3 pcs.)		
Fig.	MSS10 060*	MSS10 080*	MSS10 100*	MSS12 060*	MSS12 080*	MSS12 100*
Shank	-	-	-	-	-	-
Size ¹	-	-	-	-	-	-
Length mm	6.0	8.0	10.0	6.0	8.0	10.0
	0.6	0.6	0.6	0.7	0.7	0.7
	1.0	1.0	1.0	1.2	1.2	1.2
Head-Ø mm	1.7	1.7	1.7	1.7	1.7	1.7

¹ Largest working part diameter in 1/10 mm

Minimal diameter

External diameter

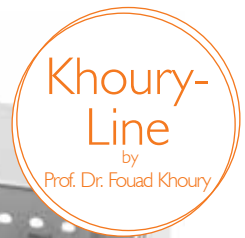




Micro Screw System NEW

'Olsberger Konzept' by Prof. Dr. Fouad Khoury

The Bone Management® Micro Screw Systems are used for the safe fixation and stabilization of cortical bone grafts. The special feature of these systems are the osteosynthesis screws, which have a diameter of 1.0 mm and 1.2 mm. These Micro Screws are made of surgical stainless steel, which gives them high stability despite their reduced diameter.



Art.-No. BMS00

Optionally available:

915DM medium

NEW

Fig.	Shank	Ref.-No.	1
		L mm	0,25
915DM	HP	806 104 35M 524	220
	unmounted	806 900 35M 524	220

Super flexible

	Pilot burs		Initial bur		Screw driver manual	Claw for manual screwdriver	Screw driver RA
Fig.	MSPB 1	MSPB2	202RF	202RF	MSSDM	MSGSD	MSSDW
Shank	RA	RA	RAXL	RAXL	-	-	RA
Size ¹	008	010	008	010	-	-	-
Length mm	14.0	14.0	14.0	14.0	142.2	33.0	24.0
	-	-	-	-	-	-	-
	0.8	1.0	0.8	1.0	-	0.6	-

¹ Largest working part diameter in 1/10 mm

Minimal diameter

External diameter

	Screw (2 pcs.)		Screws (Each 3 pcs.)		Screws (Each 2 pcs.)		Screws (1 pcs.)		Screws (Each 2 pcs.)		Screws (Each 1 pcs.)	
Fig.	MSS10 040	MSS10 060	MSS10 080	MSS10 100	MSS10 120	MSS10 140	MSS12 040	MSS12 060	MSS12 080	MSS12 100	MSS12 120	MSS12 140
Shank	-	-	-	-	-	-	-	-	-	-	-	-
Size ¹	-	-	-	-	-	-	-	-	-	-	-	-
Length mm	4.0	6.0	8.0	10.0	12.0	14.0	4.0	6.0	8.0	10.0	12.0	14.0
	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7
	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.2	1.2	1.2	1.2
Head-Ø mm	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

¹ Largest working part diameter in 1/10 mm

Minimal diameter

External diameter





Ost-Tray NEW

Selection of Manual Instruments for Oral Surgery |
Developed by Prof. Dr. Fouad Khoury

The Bone Management® Ost-Tray offers a perfect combination of specially configured manual surgical instruments. In addition to a well-thought-out selection of manual instruments, such as: High-quality periodontal probes, curettes, scalpel blade holders, mouth mirrors, graduated mouth wedges, a curved irrigation cannula with bulb end and various scissors, needle holders, tweezers, clamps, forceps, retractors and tongue depressors, the kit contains an individually designed, strong Khoury-probe as well as raspatories and sharp spoons according to Prof. Khoury.



Khoury-Line
by
Prof. Dr. Fouad Khoury

Art.-No. BOST0

Items Included:



Fig.	MI131	MI130
Name	Mouth wedge (L)	Mouth wedge (XL)

Inclusive: Irrigation Needle with Bulb End (Art.-No. MI165)

Manual instruments

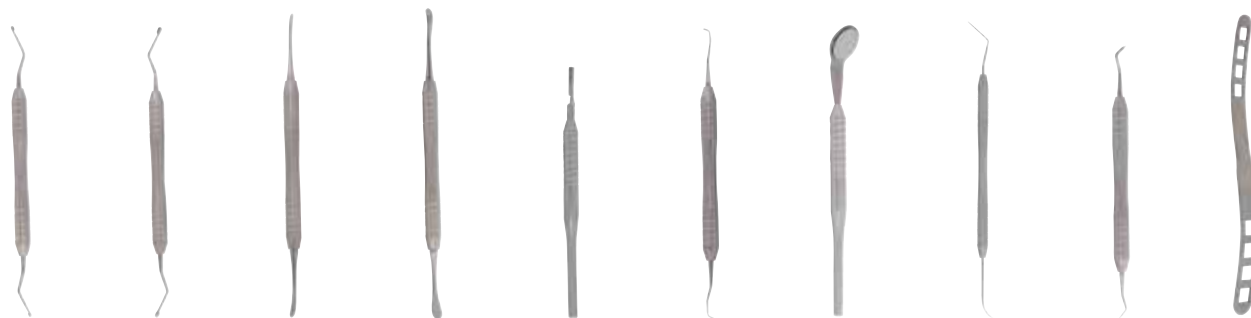


Fig.	MI056	MI057	MI070	MI071	MI077	MI139	MI156/165	MI160	MI163	MI098
Name	Bone Curette 'Khoury', 2.0mm	Bone Curette 'Khoury', 3.0mm	Periosteal Elevator 'Molt'	Periosteal Elevator 'Khoury'	Scalpel Handle	Curette 'Columbia'	Mouth Mirror	Periodontal Probe	Probe, strong	Tongue Depressor
Length	175.0	175.0	180.0	183.0	152.0	166.0	165.5	160.0	158.0	200.0



Fig.	MI083	MI101	MI102	MI104	MI105	MI106	MI041	MI048	MI050	MI158	MI089
Name	Dissecting Scissors 'Metzenbaum', TC	Tissue Retractor 'Langenbeck' 60x11 mm	Tissue Retractor 'Langenbeck' 42x10 mm	Haemostatic Forceps 'Halstead-Mosquito'	Towel Clip 'Tohoku'	Bone Rongeur Forceps 'Blumenthal'	Needle Holder 'Crile Wood', TC	Tweezers	Tweezers, TC	Tweezers 'College'	Surgical Scissors 'Kelly'
Length	180.0	220.0	220.0	145.0	105.0	155.0	150.0	175.0	175.0	175.0	160.0

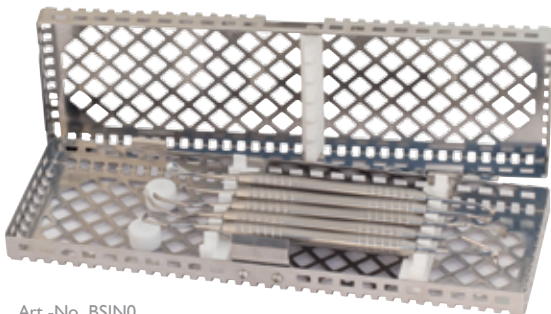


Sinus-Tray NEW

Selection of Manual Instruments for External Sinus Lift |
Developed by Prof. Dr. Fouad Khoury

The new Bone Management® Sinus-Tray is ideal for performing the external sinus lift. The manual instruments designed with Prof. Khoury support the user in gently lifting the Schneiderian membrane and inserting the bone substitute material.

Inclusive: Irrigation Needle with Bulb End (Art.-No. MI165)



Art.-No. BSIN0

Items Included:

Manual instruments

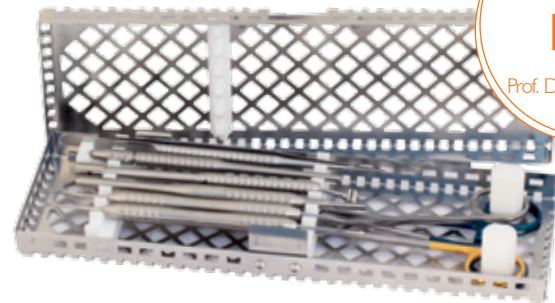


Fig.	MI135	MI136	MI140	MI141	MI142
Name	Condenser 'Khoury'	Bone Material Spoon 'Khoury'	Sinus-Lift Elevator 'Khoury'	Sinus-Lift Elevator 'Khoury'	Sinus-Lift Elevator 'Khoury'
Length	168.0	177.0	185.0	190.0	185.0

Soft-Tissue-Tray NEW

Selection of Manual Instruments for Soft-Tissue Management | Developed by Prof. Dr. Fouad Khoury

The new Bone Management® Soft-Tissue-Tray was developed with Prof. Khoury and is perfectly applicable in the context of soft tissue management. A special feature is the scalpel blade holder with swivel head included in the set, with which the scalpel angle can be freely adjusted depending on the processing area. This simplifies handling, especially in areas that are difficult to access.



Art.-No. BSOT0

Items Included:

Manual instruments



Fig.	MI042	MI049	MI060	MI077	MI078	MI079	MI089	MI067
Name	Needle Holder 'Crile Wood, RH'	Tweezers 'Cooley'	Tunneling Instrument	Scalpel Handle	Scalpel Handle	Scalpel Handle with Swivel Head	Surgical Scissors 'Kelly'	Papilla Elevator
Length	150.0	175.0	176.0	173.0	135.0	149.0	160.0	170.0



Transfer-Control

Horizontal and Vertical Bone Replacing System

Transfer-Control permits precise and standardized transplantation of bone cylinders for horizontal and vertical bone augmentation. The instruments are available in five diameters. They are perfectly adapted to each other so that the outer diameter of the abrasive bur and the size of the wheel cutter correlates with the inner diameter of the trephine. This way, a press fit can be produced between the cylindrical bone and the prepared recipient site. The press fit can then be strengthened with a fixation screw, which is separately available (Screw System TX, Art.-No. BTX00 / Screw System TX Professional, Art.-No. BTXPR). Such precise fitting of bone cylinders lead to accelerated bone revitalization and wound healing. A transplantable bone site is reached after only 3-4 months. Transfer-Control is suitable for the extraction of bone cylinders with diameters of 4.0 mm, 5.0 mm, 6.0 mm, 7.0 mm and 8.0 mm.

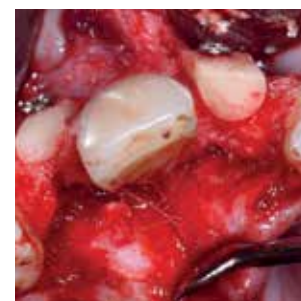


Application Video

Art.-No. CTR00

AT A GLANCE

- Easy and safe transplantation of bone cylinders
- Intelligently coordinated instruments
- Perfectly fitting bone cylinders
- Precise work due to depth marks
- Optimally suitable for vertical and horizontal augmentations
- Creation of refreshed contact surfaces for rapid vitalization and wound healing



© Dr. Suphachai Suphagul DDS

	Diamond coated saws		Trepines				
Fig.	231DC*	231DC*	T229L	T229L	T229L	T229L	T229L
Shank	RA	RA	RAL	RAL	RAL	RAL	RAL
Size ¹	070	100	040	050	060	070	080
Length mm	0.3	0.3	14.0	14.0	14.0	14.0	14.0
	-	-	4.0	5.0	6.0	7.0	8.0
	7.0	10.0	5.0	6.0	7.0	8.0	9.0

¹ Largest working part diameter in 1/10 mm

Internal diameter

External diameter



	Ablative burs					Wheel cutters				
Fig.	TC21X	TC21X	TC21X	TC21X	TC21X	TC084	TC084	TC084	TC084	TC084
Shank	RAL	RAL	RAL	RAL	RAL	RA	RA	RA	RA	RA
Size ¹	040	050	060	070	080	040	050	060	070	080
Length mm	14.0	14.0	14.0	14.0	14.0	4.0	5.0	6.0	7.0	8.0
	-	-	-	-	-	-	-	-	-	-
	4.0	5.0	6.0	7.0	8.0	10.0	10.0	10.0	10.0	10.0

¹ Largest working part diameter in 1/10 mm

Internal diameter

External diameter



Transfer Control Large Essential Kit

Horizontal Bone Replacing System

Transfer-Control is used for a precisely fitting and standardized approach for grafting bone cylinders. Perfectly coordinated instruments enable precisely fitting bone grafts, which, as a result of fast vitalization and wound healing, produce an implantable bone site after just 3-4 months. Transfer-Control is an entry-level system with a reduced set of instruments.



Art.-No. CBTRA LG

	Diamond coated saws	Trephines		
Fig.	231DC*	T229L	T229L	T229L
Shank	RA	RAL	RAL	RAL
Size ¹	100	060	070	080
Length mm	0.3	14.0	14.0	14.0
□	-	6.0	7.0	8.0
□*	10.0	7.0	8.0	9.0

¹ Largest working part diameter in 1/10 mm

□ Internal diameter □* External diameter



	Ablative burs			Wheel cutters		
Fig.	TC21X	TC21X	TC21X	TC084	TC084	TC084
Shank	RAL	RAL	RAL	RA	RA	RA
Size ¹	060	070	080	060	070	080
Length mm	14.0	14.0	14.0	6.0	7.0	8.0
□	6.0	7.0	8.0	10.0	10.0	10.0

¹ Largest working part diameter in 1/10 mm

□* External diameter

Transfer-Ring-Control I

Vertical Bone Replacing System

The most important condition for a safe healing of a bone graft is a congruent and fresh contact surface of the implant area. The Transfer-Ring-Control I System allows for this precondition for the healing of vertical bone grafts in a simple and controlled manner. This system offers a selection of various instrument sizes and provides high flexibility for the extraction of bone rings. Depending on requirements, various sizes of Initial Bur Trephines, Trephines and Ablative Burs are available. With the aid of the additional tungsten carbide bur, sharp bone edges can be smoothed precisely.



Application Video

	Initial bur	Initial bur trephines					Tungsten carbide round drill
Fig.	186RF	DV229	DV229	DV229	DV229	DV229	HM141A*
Shank	RA	RA	RA	RA	RA	RA	RAL
Size ¹	018	040	050	060	070	080	035
Length mm	12.0	2.0	2.0	2.0	2.0	2.0	-
□	-	4.0	5.0	6.0	7.0	8.0	-
□*	1.8	4.7	5.7	6.7	7.7	8.7	3.5

¹ Largest working part diameter in 1/10 mm

□ Internal diameter

□* External diameter



Art.-No. CTRI0

	Trephines					Ablative burs				
Fig.	229L	229L	229L	229L	229L	DD207	DD207	DD207	DD207	DD207
Shank	RAL	RAL	RAL	RAL	RAL	RA	RA	RA	RA	RA
Size ¹	040	050	060	070	080	040	050	060	070	080
Length mm	14.0	14.0	14.0	14.0	14.0	3.2	3.2	3.2	3.2	3.2
□	4.0	5.0	6.0	7.0	8.0	-	-	-	-	-
□*	5.0	6.0	7.0	8.0	9.0	4.0	5.0	6.0	7.0	8.0



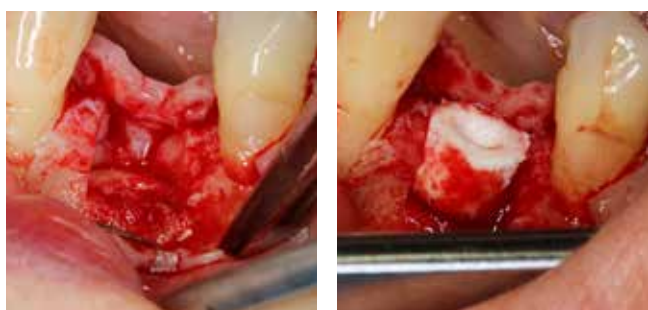
Transfer-Ring-Control II

One-Stage Bone Ring Augmentation System | Technology by Dr. Bernd Giesenhagen

Transfer-Ring-Control II is a system for the bone ring technique, developed by Dr. Giesenhagen. It allows for one-stage proceeding of augmentation and implantation in case of resorbed jaw bone, if implant insertion alone is not possible because of inadequate spatial conditions. Due to the perfectly matched instruments, there is a created congruent bone and implant site, which allows for the treatment of three-dimensional defects with the help of prefabricated, allogenic bone rings. Because of the optimal fit between the jaw bone, bone ring, and the inserted implant, high primary stability is accomplished and healing time is significantly reduced.



Art.-No. BBR00



© Dr. Bernd Giesenhagen

Technology by
Dr. Bernd Giesenhagen

Kassel, Germany

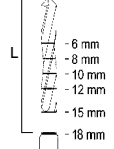

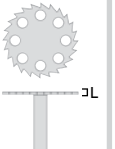
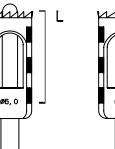
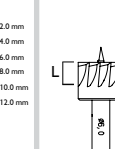
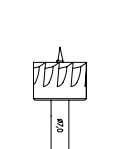
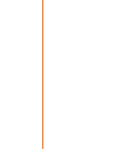


Optionally available:

illustrated 1:2





Fig. BR001
Length mm 166.0

Suitable for use in combination with bone rings with diameters of 6.0 mm and 7.0 mm

	Pilot bur	Tungsten carbide round drill	Diamond coated saw	Trephines with guiding pin	Trephines with guiding pin	Ablative burs	Ablative burs
							
Fig.	E1001	HM141A**	231DC*	229FS	229FS	DD207	DD207
Shank	RAXL	RAXL	RA	RAL	RAL	RA	RA
Size ¹	020	031	100	060	070	060	070
Length mm	18.0	-	0.3	12.0	12.0	3.2	3.2
	-	-	-	5.0	6.0	-	-
	2.0	3.1	10.0	6.0	7.0	6.0	7.0

¹ Largest working part diameter in 1/10 mm

 Internal diameter

 External diameter

*  ** 



Trephine Basic Kit

Trephine System for Extraction of Cylindrical Bone Grafts

The Trephine Basic Kit provides a selected set of high-quality trephine drills in different sizes. These tools are designed specifically for creating cylindrical bone grafts quickly and accurately and for removing defined bone sections. The trephine drills have a depth of 10 mm and have been developed specifically with mandibular surgery and implantology in mind. Thanks to the well-defined laser depth marking in 2 mm intervals, the drilling depth can accurately be monitored.



Art.-No. 7120

Trephines

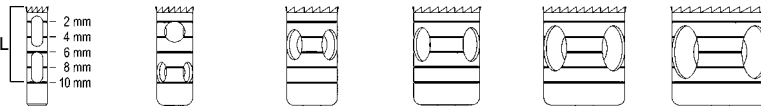


Fig.	229	229	229	229	229	229
Shank	RAL	RAL	RAL	RAL	RAL	RAL
Size ¹	020	040	060	080	100	120
Length mm	10.0	10.0	10.0	10.0	10.0	10.0
	2.0	4.0	6.0	8.0	10.0	12.0
	3.0	5.0	7.0	9.0	11.0	13.0

¹ Largest working part diameter in 1/10 mm

Internal diameter

External diameter

AT A GLANCE

- Selection of high quality trephines for the extraction of bone cylinders
- Various trephine sizes for every application
- Precise depth markings for optimal control
- High cutting performance for good handling

Trephine Kit

Trephine System for Extraction of Cylindrical Bone Grafts

The Trephine Kit provides a broad set of high-quality trephine drills with fine size graduations. These tools are designed specifically for creating cylindrical bone grafts quickly and accurately and for removing defined bone sections. The trephine drills have a depth of 10 mm and have been developed specifically with mandibular surgery and implantology in mind. Thanks to the well-defined laser depth marking in 2 mm intervals, the drilling depth can accurately be monitored.

AT A GLANCE

- Broad selection of high quality trephines for extraction of bone cylinders
- Various trephine sizes for every application
- Precise depth markings for optimal control
- High cutting performance for good handling



Art.-No. 7121

Trephines

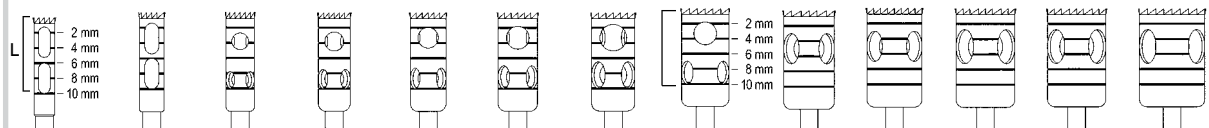


Fig.	229	229	229	229	229	229	229	229	229	229	229	229	229
Shank	RAL	RAL	RAL	RAL	RAL	RAL	RAL	RAL	RAL	RAL	RAL	RAL	RAL
Size ¹	020	025	030	035	040	045	050	055	060	065	070	075	080
Length mm	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0

¹ Largest working part diameter in 1/10 mm

Internal diameter

External diameter



Quintessential Extra Long Trephine Kit

Trephine System for Extraction of Cylindrical Bone Grafts

The Quintessential Extra Long Trephine Kit provides a broad set of high-quality trephine drills with fine size graduations. These tools are designed specifically for creating cylindrical bone grafts quickly and accurately and for removing defined bone sections. The trephine drills have a depth of 14 mm* and have been developed specifically with mandibular surgery and implantology in mind. Thanks to the well-defined laser depth marking in 2 mm intervals, the drilling depth can accurately be monitored.



Art.-No. CBEX1

Trephines							
Fig.	229	229	229L	229L	229L	229L	229L
Shank	RAL	RAL	RAL	RAL	RAL	RAL	RAL
Size ¹	020	025	030	035	040	045	050
Length mm	10.0	10.0	14.0	14.0	14.0	14.0	14.0
	2.0	2.5	3.0	3.5	4.0	4.5	5.0
	3.0	3.5	4.0	4.5	5.0	5.5	6.0

¹ Largest working part diameter in 1/10 mm

Internal diameter

External diameter

Trephines						
Fig.	229L	229L	229L	229L	229L	229L
Shank	RAL	RAL	RAL	RAL	RAL	RAL
Size ¹	055	060	065	070	075	080
Length mm	14.0	14.0	14.0	14.0	14.0	14.0
	5.5	6.0	6.5	7.0	7.5	8.0
	6.5	7.0	7.5	8.0	8.5	9.0

¹ Largest working part diameter in 1/10 mm

Internal diameter

External diameter

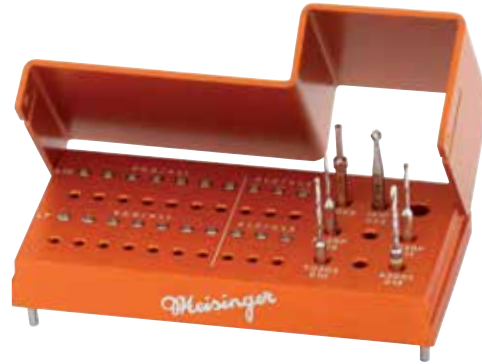
* Please note that trephines with a diameter of 2.0 mm and 2.5 mm have a length of 10 mm.



Screw System TX

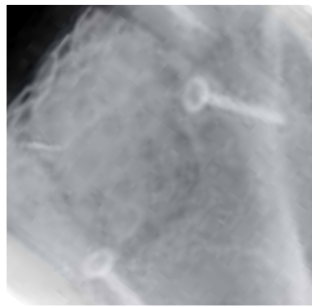
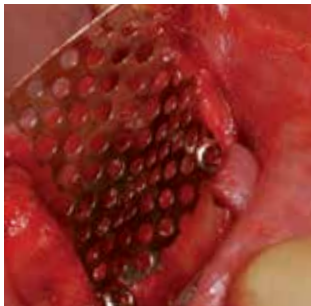
Screw System for Bone Fixation

The Osteosynthesis System Screw System TX enables the universal use of fixation for autologous bone cylinders, bone blocks and bone shells for the purpose of pre-implantological augmentation. The Torx connection guarantees reliable accommodation of the screws in the driving tool and, at the same time, high tensile forces can be transferred. For each 0.9 mm screw available, the kit contains a larger diameter rescue screw in case the transplant does not allow high tensile fixation. The small diameter and the low head size of the screws allow for a comfortable application for patient and user.



Application Video

Art.-No. BTX00



© Heger & Meisinger GmbH, Germany

	Twist drills for TCT09		Twist drills for TCT10		Tungsten Carbide Round Drill	Screw driver TX
Fig.	203RF	203RF	TC203	A2001	HM141F*	31053
Shank	RAL	RAL	RA	RAL	RAL	RAL
Size ¹	009	011	010	013	023	-
Length mm	9.0	9.0	12.0	15.0	-	27.0
	-	-	-	-	-	-
	0.9	1.1	1.0	1.3	2.3	-

¹ Largest working part diameter in 1/10 mm

Minimal diameter

External diameter

*

	Screws (each 7 pcs.)		Screws (each 3 pcs.)	
Fig.	TCT09*	TCT09*	TCT10*	TCT10*
Shank	-	-	-	-
Size ¹	-	-	-	-
Length mm	7.0	10.0	7.0	10.0
	0.9	0.9	1.0	1.0
	1.1	1.1	1.3	1.3
Head-Ø mm	2.5	2.5	2.5	2.5

¹ Largest working part diameter in 1/10 mm

Minimal diameter

External diameter

*

Optionally available:

Screwdriver TX illustrated 1:2	
Fig.	TL0T1
Length mm	148.0

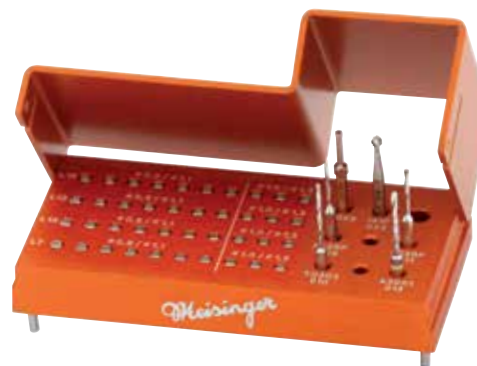


Screw System TX Professional

Screw System for Bone Fixation

The Osteosynthesis System Screw System TX Professional enables the universal use of fixation for autologous bone cylinders, bone blocks and bone shells for the purpose of pre-implantological augmentation. The Torx connection guarantees reliable accommodation of the screws in the driving tool and, at the same time, high tensile forces can be transferred. For each 0.9 mm screw available, the kit contains a larger diameter rescue screw in case the transplant does not allow high tensile fixation. The small diameter and the low head size of the screws allow for a comfortable application for patient and user.

The Screw System TX Professional contains additional screws in the lengths of 13.0 mm and 16.0 mm.



Art.-No. BTXPR



Application Video



© Dr. Suphachai Suphongul DDS

Optionally available:

Screwdriver TX illustrated 1:2



Fig. TL0T1
Length mm 148.0

	Twist drills for TCT09		Twist drills for TCT10		Tungsten Carbide Round Drill	Screw driver TX
Fig.	203RF	203RF	TC203	A2001	HM141F*	31053
Shank	RAL	RAL	RA	RAL	RAL	RAL
Size ¹	009	011	010	013	023	-
Length mm	9.0	9.0	12.0	15.0	-	27.0
	-	-	-	-	-	-
	0.9	1.1	1.0	1.3	2.3	-

¹ Largest working part diameter in 1/10 mm

Minimal diameter

External diameter



	Screws (each 7 pcs.)				Screws (each 3 pcs.)			
Fig.	TCT09*	TCT09*	TCT09*	TCT09*	TCT10*	TCT10*	TCT10*	TCT10*
Shank	-	-	-	-	-	-	-	-
Size ¹	-	-	-	-	-	-	-	-
Length mm	7.0	10.0	13.0	16.0	7.0	10.0	13.0	16.0
	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0
	1.1	1.1	1.1	1.1	1.3	1.3	1.3	1.3
Head-Ø mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5

¹ Largest working part diameter in 1/10 mm

Minimal diameter

External diameter





Punch Basic Kit



Biopsy Punch Set for Extraction of Tissue Grafts

The Punch Basic Kit contains Biopsy Punches in five different diameters for the performance of tissue removal. They serve for the application in immediate implant placement, for taking mucosa grafts in the scope of soft tissue management or biopsy as well as for uncovering the gingiva after implantation. The Biopsy Punches create clean-cut surfaces and care for minimal tissue traumatization.





Art.-No. 7140

Biopsy punches

Fig.	225	225	225	225	225
Shank	RA	RA	RA	RA	RA
Size ¹	030	040	050	060	070
Length mm	6.0	6.0	6.0	6.0	6.0
	3.0	4.0	5.0	6.0	7.0
	3.7	4.7	5.7	6.7	7.7

¹ Largest working part diameter in 1/10 mm

 Internal diameter

 External diameter

Saw Basic Kit


Selection of Various Diamond Coated Saws for Oral Surgery

The Saw Basic Kit provides a selection of diamond saws in the three most important diameters. They are used for the application in bone spreading or splitting operations. Due to the various sizes, the set offers the clinician the possibility of having a proper selection of these saws during surgery.





Art.-No. 7150

Diamond coated saws

Fig.	231DC*	231DC*. **	231DC*
Shank	RA	RA	RA
Size ¹	070	100	130
Length mm	0.3	0.3	0.3
	7.0	10.0	13.0

¹ Largest working part diameter in 1/10 mm ** (2 pcs.)

 Internal diameter  External diameter



© Dr. Bayer & Dr. Kötter



Crestal-Lift-Control Basic

Crestal Approach Sinus Lift System

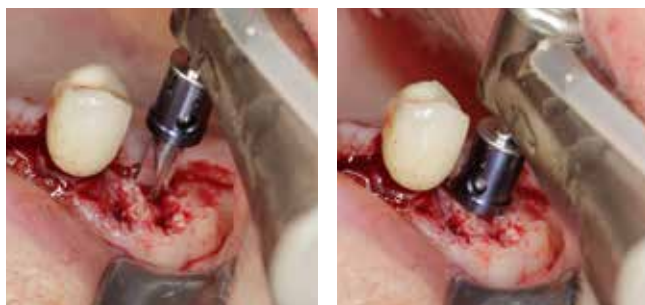
Crestal-Lift-Control Basic is a system for the performance of an easy and safe internal sinus lift. The elevation of the Schneiderian membrane occurs during the transcresal drilling process. The specially atraumatic design of the Crestal Drill with its four cutting edges and concave head allows for a safe forming of a conical bone flap and is more ideally suited for collecting bone chips. Additionally, the stop sleeve system, which is tailored to the special instruments, prevents the membrane from being injured or punctured.

Crestal-Lift-Control Basic is an introductory system with reduced instrument set.

CAUTION: To prevent injury of any anatomical structure, the apical extra lengths of the CL001 of 0.58 mm must be considered.



Art.-No. CCLBA



© Dr. Dr. Florian Bauer

	Pilot bur	Crestal drills					Bone graft spreader
Fig.		CL001	CL004	CL005	CL006	CL007	CL020
Shank		RAXL	RAXL	RAXL	RAXL	RAXL	RAXL
Size ¹		020	033	036	038	041	030
Length mm		16.0	16.0	16.0	16.0	16.0	18.5
		-	-	-	-	-	1.5
		2.0	3.3	3.6	3.8	4.1	3.0

¹ Largest working part diameter in 1/10 mm

Minimal diameter

External diameter

	Stop sleeves						
Fig.	CL011	CL012	CL013	CL014	CL015	CL016	CL017
Length mm	7.0	8.0	9.0	10.0	11.0	12.0	13.0
\triangle max. drilling depth mm	9.0	8.0	7.0	6.0	5.0	4.0	3.0

Optionally available:

	Depth gauge
Fig.	CL021
Shank	-
Size ¹	-
Length mm	16.0
	1.4
	2.3

¹ Largest working part diameter in 1/10 mm

Minimal diameter External diameter



Crestal-Lift-Control

Crestal Approach Sinus Lift System

Crestal-Lift-Control is a system for the performance of an easy and safe internal sinus lift. The elevation of the Schneiderian membrane occurs during the transcresal drilling process. The specially atraumatic design of the Crestal Drill with its four cutting edges and concave head allows for a safe forming of a conical bone flap and is more ideally suited for collecting bone chips. Additionally, the stop sleeve system, which is tailored to the special instruments, prevents the membrane from being injured or punctured.

Crestal-Lift-Control provides an extensive range of instruments for the performance of a safe internal sinus lift.

CAUTION: To prevent injury of any anatomical structure, the apical extra lengths of the CL001 of 0.58 mm must be considered.



Art.-No. BCL00

Fig.	Bone graft spreaders		Depth gauge
	CL019	CL020	
Shank	RAXL	RAXL	-
Size ¹	020	030	-
Length mm	18.5	18.5	16.0
△	1.5	1.5	1.4
□	2.5	3.0	2.3

¹ Largest working part diameter in 1/10 mm

△ Minimal diameter

□ External diameter



© Dr. Dr. Florian Bauer

Fig.	Initial burs (2 pcs.)		Diamond instrument	Ablative bur	Pilot bur	Crestal drills				
	186RF	859*	TC21X	CL001	CL002	CL003	CL004	CL005	CL006	CL007
Shank	RA	RA	RAL	RAXL	RAXL	RAXL	RAXL	RAXL	RAXL	RAXL
Size ¹	018	018	040	020	028	031	033	036	038	041
Length mm	12.0	10.0	14.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
△	-	-	-	-	-	-	-	-	-	-
□	1.8	1.8	4.0	2.0	2.8	3.1	3.3	3.6	3.8	4.1

¹ Largest working part diameter in 1/10 mm

△ Minimal diameter

□ External diameter



Fig.	Stop sleeves										
	CL008	CL009	CL010	CL011	CL012	CL013	CL014	CL015	CL016	CL017	CL018
Length mm	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0
△ max. drilling depth mm	12.0	11.0	10.0	9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0



Surgical Kit 1

Lateral Approach System for External Sinus Elevation

The Surgical Kit 1 contains instruments with handpiece shank for the lateral approach in an external sinus lift. Carbide cutters in three diameters and diamond instruments in three grits allow for the gradual thinning of the facial bone wall of the maxillary sinus down to the Schneiderian membrane. The large diameter of the instruments protects the membrane from unintentional perforation.

AT A GLANCE

- Compilation of handpiece instruments for the lateral approach during the external sinus lift
- Round instruments protect the Schneiderian membrane from unintentional perforation
- Ideal for gradual, safe thinning of the fascial wall of the maxillary sinus
- Round diamonds and carbide burs in three different diameters

	Tungsten carbide burs				Diamond instruments		
Fig.	HM141F**	HM141F**	HM141F**	HM161RX**	801*	801G*	801H*
Shank	HP	HP	HP	HP	HP	HP	HP
Size ¹	018	031	050	018	050	050	050
Length mm	-	-	-	10.5	-	-	-
	-	-	-	-	-	-	-
	1.8	3.1	5.0	1.8	5.0	5.0	5.0

¹ Largest working part diameter in 1/10 mm

Minimal diameter

External diameter

* **



Art.-No. BSKSL

Surgical Kit 2

Lateral Approach System for External Sinus Elevation

The Surgical Kit 2 contains instruments with right-angled shanks for the lateral approach in an external sinus lift. Carbide cutters in three diameters and diamond instruments in three grains allow for the gradual thinning of the facial bone wall of the maxillary sinus down to the Schneiderian membrane. Especially the large diameter of the instruments protects the membrane from unintentional perforation.

AT A GLANCE

- Compilation of contra-angle instruments for the lateral approach during the external sinus lift
- Round instruments protect the Schneiderian membrane from unintentional perforation
- Ideal for gradual, safe thinning of the fascial wall of the maxillary sinus
- Round diamonds and carbide burs in three different diameters

	Tungsten carbide burs				Diamond instruments		
Fig.	HM141F**	HM141F**	HM141F**	HM161RX**	801*	801G*	801H*
Shank	RAL	RAL	RAL	RAL	RA	RA	RA
Size ¹	018	031	050	018	050	050	050
Length mm	-	-	-	10.5	-	-	-
	-	-	-	-	-	-	-
	1.8	3.1	5.0	1.8	5.0	5.0	5.0

¹ Largest working part diameter in 1/10 mm

Minimal diameter

External diameter

* **



Art.-No. BSK02



Surgical Kit 3

Easy Cutting Tungsten Carbide Burs for the Efficient Bone Reduction

The Surgical Kit 3 contains conical Tungsten Carbide Burs with friction grip shanks of various sizes and toothings which allow for a broad field of application. The particularly easy cutting and efficient cutters have an extra-long shank for an optimal view on the working area and sharp tips for the safe application in bone.

Tungsten carbide burs

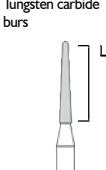






Fig.	HM151*	HM161*	HM162*	HM162SX*	HM254LE*	HM408M*
Shank	FGXL (SU)	FGXL (SU)	FGXL (SU)	FG	FG	FGXL (SU)
Size ¹	016	018	016	014	012	016
Length mm	10.0	10.5	10.5	8.0	6.0	9.5
	-	-	-	-	-	-
	1.6	1.8	1.6	1.4	1.2	1.6

¹ Largest working part diameter in 1/10 mm

 Minimal diameter

 External diameter



Art.-No. BSK03

Surgical Kit 4

Selection of Conical Tungsten Carbide Burs

The Surgical Kit 4 contains a selection of conical Tungsten Carbide Cutters with handpiece shanks for a broad field of application in oral surgery. The cutters have a particularly easy cutting and efficient saw toothing and a specifically designed twist angle. Further, the narrow working parts allow for an optimal view on the working area.

Tungsten carbide burs

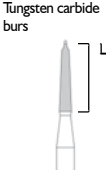






Fig.	HM162A*	HM162SL*	HM163A*	HM166A*	HM254*	HM408M*
Shank	HP	HP	HP	HP	HP	HP
Size ¹	016	014	014	021	012	016
Length mm	9.3	8.0	5.0	10.5	6.0	9.6
	-	-	-	-	-	-
	1.6	1.4	1.4	2.1	1.2	1.6

¹ Largest working part diameter in 1/10 mm

 Minimal diameter

 External diameter



Art.-No. BSK04




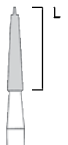


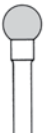
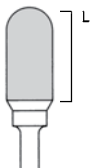



Alveoplasty Surgical Kit

Surgical Contouring and Modification Kit

The Alveoplasty Surgical Kit contains the most important instruments for surgical contouring and modification of the alveolar ridge when unwanted unevenness of the jawbone occurs after tooth extraction or bone degeneration. In this case, the kit offers the best way to smooth the jawbone. The Alveoplasty Kit contains two initial burs and two Lindemann burs, which allow for the performance of precise, initial osteotomies, even in hard cortical bone. To perform the alveoplasty itself, five different carbide cutters and a round diamond are included. The round working parts optimally protect the soft tissue against injuries. Thus, the alveolar ridge is prepared carefully and precisely for implant insertion or denture restoration.





Art.-No. ALV18

	Initial burs (2 pcs.)		Surgical Cutters		Tungsten Carbide Instruments				Diamond Instrument
									
Fig.	186RF	HM166**	165RF	HM71**	HM71**	HM72GX**	HM77GX**	HM251GX**	801G*
Shank	RA	RAL	RAL	HP	HP	HP	HP	HP	HP
Size ¹	018	021	023	040	050	060	060	040	033
Length mm	12.0	11.0	7.0	-	-	13.7	11.5	9.3	-
□	1.8	2.1	2.3	4.0	5.0	6.0	6.0	4.0	3.3

¹ Largest working part diameter in 1/10 mm

□ External diameter

* 

** 

¹ Largest working part diameter in 1/10 mm

□ External diameter



Implant Preparation Kit

Initial Bur System for Safe Implant Site Preparation

The Implant Preparation Kit provides the easy and safe preparation of the implant site. The very sharp initial drills allow for the safe marking of the implant site and prevent all following instruments from slipping. The extra slim pilot bur provides a particularly gentle first drilling for the determination of the implant length and orientation.



Art.-No. IPK01

	Initial burs (5 pcs.)	Pilot burs (2pcs)
Fig.	186RFLM	A1001
Shank	RA	RAXL
Size ¹	018	010
Length mm	12.0	18.0
□	1.8	1.0

¹ Largest working part diameter in 1/10 mm

□ External diameter



Learn More



Implant Preparation Kit with Stop Sleeves

Initial Bur System with Stop Sleeves for Safe Implant Site Preparation

The Implant Preparation Kit with Stop Sleeves provides the easy and safe preparation of the implant site. The stop sleeves allow for a defined depth stop during the initial and pilot drilling. For the application without stop sleeves, the instruments are equipped with laser markings.

CAUTION: To prevent injury of any anatomical structure, the apical extra length of the pilot drill of 0.8 mm must be considered.



Art.-No. IPK02

AT A GLANCE

- Simple and safe preparation of the implant site
- Defined depth stop during initial and extension drilling
- Colored marking of the stop sleeves for easy differentiation
- Additional depth-marked instruments for optional use without stop sleeves



Learn More

Initial burs with Stop (3 pcs.)		Pilot bur
Fig.	187RF	TDS15
Shank	RA	RA
Size ¹	018	020
Length mm	19.0	19.0
* External diameter	1.8	2.0

¹ Largest working part diameter in 1/10 mm

* External diameter

Stop sleeves				
Fig.	CL038	CL039	CL040	CL041
Length mm	11.0	12.0	13.0	14.0
△ max. drilling depth mm	8.0	7.0	6.0	5.0



Guided-Drill-Stop-Control

Guided Drill System for Safe Implant Site Preparation Developed with Dr. Henriette Lerner

The Guided-Drill-Stop system is used for the easy and safe preparation of the implant site. The special feature of the system are the specially developed twist drills with guiding tip, with which an intermediate step is added prior to the actual extension drilling. With this step, the upper part of the implant site is expanded to the desired diameter, while the lower part is used to guide the drill. This avoids deviation from the desired axis. In addition, the stop sleeves provide the defined depth stop during all drillings.

CAUTION: To prevent injury of any anatomical structure, the apical extra length of the instruments of 0.8 mm must be considered.



Art.-No. BGS00



© Dr. Henriette Lerner

Fig.	Initial bur with stop					Twist Drills with Guiding Tip		
	187RF	TDS0G	TDS0G	TDS0G	TDS0G	TDS08	TDS08	TDS08
Shank	RA	RA	RA	RA	RA	RA	RA	RA
Size ¹	018	020	028	035	042	028	035	042
Length mm	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
External diameter	1.8	2.0	2.8	3.5	4.2	2.8	3.5	4.2

¹ Largest working part diameter in 1/10 mm

External diameter

Fig.	Stop sleeves					
	CL031	CL032	CL033	CL034	CL035	CL036
Length mm	4.0	5.0	6.0	7.0	8.0	9.0
max. drilling depth mm	15.0	14.0	13.0	12.0	11.0	10.0



HL-DENTCLINIC
www.hl-dentclinic.de



Developed with
Dr. Henriette Lerner
Baden-Baden, Germany

Important

The diameters of the twist drills fit together with cylindrical implants of the Dental Ratio® and Straumann® implant systems.



The Root Planing Plaque Kit

Diamond Kit for Plaque Removal

The Root Planing Plaque Removal Kit includes Fine, Extra-Fine, and Ultra-Fine diamonds for removal of subgingival plaque leaving a smooth and polished tooth surface. All diamonds are in RA L and RA XL shanks.



Art.-No. 2540

Diamond instruments						
Fig.	830LF	830LF	830LC	830LC	830LU	830LU
Shank	RAL	RAXL	RAL	RAXL	RAL	RAXL
Size ¹	014	014	014	014	014	014
Length mm	5.0	5.0	5.0	5.0	5.0	5.0
Grit	Fine	Fine	X-Fine	X-Fine	Ultra-Fine	Ultra-Fine
+□+	1.4 mm	1.4 mm	1.4 mm	1.4 mm	1.4 mm	1.4 mm

Diamond instruments						
Fig.	849LF	849LF	849LC	849LC	849LU	849LU
Shank	RAL	RAXL	RAL	RAXL	RAL	RAXL
Size ¹	012	012	012	012	014	012
Length mm	7.0	7.0	7.0	7.0	7.0	7.0
Grit	Fine	Fine	X-Fine	X-Fine	Ultra-Fine	Ultra-Fine
+□+	1.2 mm	1.2 mm	1.2 mm	1.2 mm	1.2 mm	1.2 mm

¹ Largest working part diameter in 1/10 mm

+□+ External diameter



Partial Extraction Technique Kit

According to Dr. Wade Pilling

The Partial Extraction Technique Kit, curated by Dr. Wade Pilling, is designed to safely and predictably prepare the implant site while retaining some of the natural anatomy of the tooth. The kit comes in an autoclavable bur block for easy sterilization and organization.

AT A GLANCE

- Designed for partial extraction therapy
- Includes a combination of diamonds, carbides, and implant burs for a safe and predictable procedure
- Organized in an autoclavable bur block



Art.-No. WPP21

	Initial bur	Pilot bur	Surgical carbide		Operative carbides		Diamonds				
Fig.	188RF	E1001	HM254	HM34IL	HM33	HM207	801H	801G	850H	846KR	839
Shank	RAXL	RAXL	FGXXL	FGXXL	FGXL	FGL	FGXL	FGXL	FG	FG	FG
Size ¹	014	020	012	012	010	010	031	023	025	023	016
Length mm	19,0	15,0	6,0	6,0	4,1		-	-	8,0	4,0	0,2

¹ Largest working part diameter in 1/10 mm

Degranulation Kit NEW

Diamond System for Effective Bone Debridement

The Degranulation Kit contains four extra-coarse, round diamond instruments with a diameters of 1.0, 2.5, 3.0 and 3.5 mm. The instruments have been specially developed to enable quick and easy bone debridement. With the help of these diamonds, degranulation tissue adhering to the bone can be removed quickly and easily without damaging the surrounding bone, so that subsequently inserted grafting material comes into direct contact with healthy bone. This makes the Degranulation Kit a crucial addition to the degranulation process.

AT A GLANCE

- Extra-coarse, round diamonds for quick and easy debridement
- Reliable removal of degranulation tissue without damaging the surrounding bone
- Four different diameters for use in all situations
- Extra-long instrument necks for an optimal view of the operating area
- Optimal addition to the degranulation process



Art.-No. DEG00

	Diamond instruments			
Fig.	801LD*	801LD*	801LD*	801LD*
Shank	RAXL	RAXL	RAXL	RAXL
Size ¹	010	025	030	035
	1.0	2.5	3.0	3.5

¹ Largest working part diameter in 1/10 mm

External diameter





Periimplantitis Kit

Tungsten Carbide Finishers for Periimplantitis Treatment

The Periimplantitis Kit contains eight perfectly matched tungsten carbide finishing burs in egg and flame shapes for the ideal periimplantitis treatment. Both shapes come in two sizes and each in standard and ultra-fine toothing. The shapes, sizes and toothings of the working parts are perfectly suited for the intraoral treatment of titanium and for different shapes of implant neck and shoulder. All finishers have an extra-long FG shank (total length 32 mm) which allows particularly for the treatment of difficult-to-access, deep areas. For the periimplantitis treatment, the finishers are used clockwise and are guided around the exposed implant counter-clockwise so the implant surface is smoothed.



Art.-No. 2575

AT A GLANCE

- Perfectly matched tungsten carbide finishing burs for the effective, intraoral treatment of titanium
- XXL FG shanks facilitate the treatment of difficult to access implants
- Different shapes and sizes for every individual patient case
- Clean and smooth titanium surfaces

Tungsten carbide finishing burs

Fig.	HM379*	HM379*	HM48L*	HM48L*	HM379U*	HM379U*	HM48LU*	HM48LU*
Shank	FGXXL	FGXXL	FGXXL	FGXXL	FGXXL	FGXXL	FGXXL	FGXXL
Size ¹	014	023	014	023	014	023	014	023
Length mm	3.1	4.2	8.0	8.0	3.1	4.2	8.0	8.0
□	1.4	2.3	1.4	2.3	1.4	2.3	1.4	2.3

¹ Largest working part diameter in 1/10 mm

□ External diameter



© Dr. Georg Boch



Easy-Clean Scissors NEW

Surgical Scissors for easy and safe processing

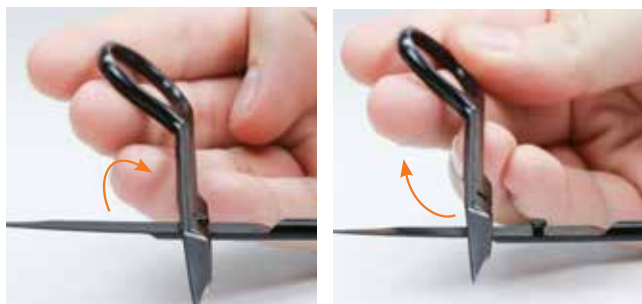
The MEISINGER Easy-Clean Scissors made of high-quality stainless steel can be easily and completely disassembled and put back together again. Residues below the hinge can be completely removed – for a residue-free processing*. For dismantling, the scissors only need to be opened at a right angle. Then the upper part of the scissors is lifted briefly. In addition, the scissors have a black coating that is applied using PVD procedure (vacuum-based coating). Thanks to this black coating the products reach high hardness and durability. Furthermore, disturbing light reflections are reduced, and glare-free work is possible.



Art.-No. CM01S

AT A GLANCE

- Surgical scissors made of high-quality stainless steel
- Easy and complete dismantling for residue-free processing*
- Black coating for high hardness and durability as well as glare-free work Scissors in two different versions



* In correspondence with required processing procedures according to EN ISO 17664.



Fig.	CM001	CM002
Name	Scissor	Scissor
Length mm	120 (1:2)	130 (1:2)



Microsurgical Instruments

Black Coated / Matte Finish



Fig.	TM0	TM1	TM2	TM3	TM4	TM5
Name	Needle holder straight	Needle holder curved	Scissors straight	Scissors curved	Forceps straight	Forceps curved
Length mm	173.0	179.0	180.0	179.0	173.0	172.0

Manual instruments



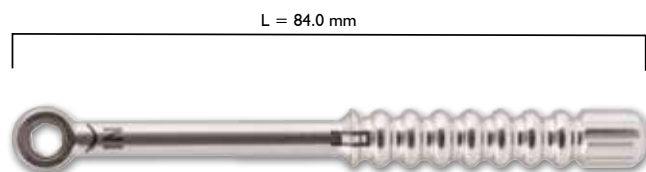
Fig.	HI070	HI073	HI074	BR001	TL9
Name	Mallet	Chisel	Chisel	Bone Ring Tweezer	Scissors
Length mm	195.0	157.0	157.0	166.0	116.0



Ratchets

Ratchet

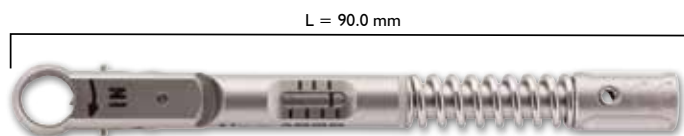
This ratchet was designed to transfer turning moments up to 70 Ncm. May be disassembled for simple and safe cleaning.



Art.-No. CARA4

Universal Torque Ratchet

Torque ratchet for working with defined torque. In blocking position, torques for both the insertion and the loosening of screws can be transmitted, e.g. for the insertion of implants.

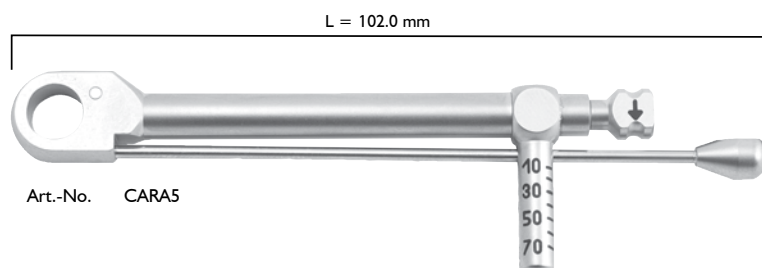


Art.-No. CA0RA

Bending Rod Torque Ratchet

NEW

Ratchet for working in torque function and in blocked function. In torque function, the application takes place using the bending rod, from which torques between 10 and 70 Ncm can be read. In blocked function, the ratchet enables a greater torque to be transmitted, for example when inserting implants or loosening connections.



Art.-No. CARA5



Surgery Instruments

MEISINGER offers one of the most extensive programs in the area of the Surgical Round Drills, Surgical Cutters, and Trephines. The optimized special construction of the instruments guarantee a safe application and fast achievement for the desired working result.

Suggested Speeds, Surgery

The following reference values for rotation speeds apply to surgery in general:

Hand piece (HP):
 Optimum: 6.000 - 10.000 rpm
 Maximum: 40.000 - 50.000 rpm

Right Angle (RA):
 Optimum: 6.000 - 10.000 rpm
 Maximum: 40.000 - 50.000 rpm




Friction Grip:
 Optimum: 80.000 rpm
 Maximum: 100.000 - 120.000 rpm

Please also observe adapting the rotation speed in relation to the diameter of the instrument as well as the prevailing indication and enough cooling. As a general rule, the larger the working part of an instrument, the lower the speed should be set.





Application and Hygiene Symbols

The symbols give merely suggestions for the possible implementation of the products. The user decides and takes full responsibility about the precise deployment according to existing indications. Please follow general application and safety instructions for MEISINGER products in the medical and dental area and also the advice for processing. Details can be found on the internet under www.meisinger.de or you can request one by mail.


Dentistry

-  Orthodontics
-  Jaw surgery
-  Implantology


Disinfection/sterilization


-  Sterilizable in a steam sterilizer (autoclave) at the temperature specified
-  Washer-disinfector for thermal disinfection
-  Sterilizable up to the temperature specified
-  Ultrasonic bath

Dental laboratory

-  Veneer and ceramic technique

-  Internal diameter
-  Minimal diameter
-  External diameter
-  Revolution speed

 With the reuse of disposable products the risk of infection cannot be excluded and a risk-free functional safety cannot be guaranteed.

 Please follow general application and safety instructions for MEISINGER products in the medical area and also the advice for processing (cleaning, disinfection and sterilization) of medical devices from Hager & Meisinger GmbH. Please also pay attention to the special preparation specifications for products made of tool steel.



Surgical Cutters of Tungsten Carbide

The special, easy-cutting and efficient saw toothing and the specifically selected angle of twist allow for a wide field of application of the instruments within the field of oral surgery.

**HM 33IL**

Fig.	Shank	Ref.-No.	2
		L mm	5,5
		US-No.	700XXL
HM 33IL	RA L	500 205 415 007	010
	FG XL	500 316 415 007	010



Implant bur

**HM 33T**

Fig.	Shank	Ref.-No.	2
		L mm	5,2
HM 33T	HP	500 104 415 296	016
	RA L	500 205 415 296	016

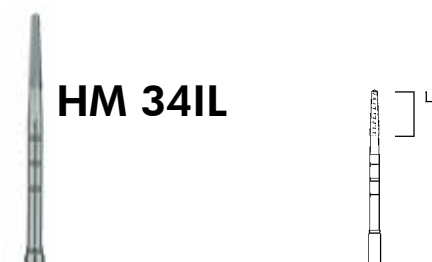
**HM 34IL**

Fig.	Shank	Ref.-No.	5
		L mm	6,0
HM 34IL	FG XXL	500 317 415 007	012



Implant bur

**HM 151**

Fig.	Shank	Ref.-No.	2
		L mm	10,8
HM 151	FG XL	500 316 199 295	016
HM 151	FG XXL	500 317 199 295	016

**HM 152**

Fig.	Shank	Ref.-No.	2
		L mm	9,0
HM 152	FG L	500 315 210 295	014

**HM G152**

Fig.	Shank	Ref.-No.	2
		L mm	9,1
HM G152	FG L	504 315 210 295	016

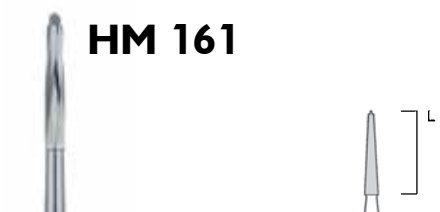
**HM 161**

Fig.	Shank	Ref.-No.	2
		L mm	11,0
HM 161	HP	500 104 408 295	018
	RA L	500 205 408 295	018
	FG XL	500 316 408 295	018

**HM 161RX**

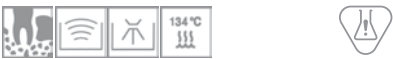
Fig.	Shank	Ref.-No.	2
		L mm	11,0
HM 161RX	HP	500 104 408 296	018
	RA L	500 205 408 296	018
	RA XL	500 206 408 296	018
	FG XL	500 316 408 296	018



Surgical cutters, x-cut

**HM 162**

Fig.	Shank	Ref.-No.	2
		L mm	11,0
HM 162	HP	500 104 408 297	016
	RA L	500 205 408 297	016
	RA XL	500 206 408 297	016
	FG XL	500 316 408 297	016






HM 162A

		Fig.	Shank	Ref.-No.	2
				L mm	9,0
		HM 162A	HP	500 104 408 298	016
			RA	500 204 408 298	016
			FG	500 314 408 298	016
					

HM 162SL





HM 162SL

Fig.	Shank	Ref.-No.		2
			L mm	8,0
HM 162SL	HP	500 104 408 338		014
	FG	500 314 408 338		014








HM 162ST

		Fig.	Shank	Ref.-No.	2
				L mm	9,0
		HM 162ST	HP	500 104 408 337	016
			RA	500 204 408 337	016
			FG	500 314 408 337	016
					










HM 162SX

<h1>HM 162SX</h1>				
				
Fig.	Shank	Ref.-No.		2
			L mm	8,0
HM 162SX	FG	500 314 413 338		014
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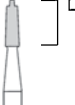





HM 163

<h1>HM 163</h1>				
				
Fig.	Shank	Ref.-No.		2
			L mm	5,0
HM 163	HP	500 104 406 297		014
<div></div> <div></div>				









HM 163A

<h1>HM 163A</h1>				
				
Fig.	Shank	Ref.-No.		2
			L mm	5,0
HM 163A	HP	500 104 406 298		014
<div><div><div>134°C</div></div></div>				

HM 164

<h1>HM 164</h1>			
			
			
Fig.	Shank	Ref.-No.	2
		L mm	6,0
HM 164	HP	500 104 407 297	018
<div></div>			

HM 165

					<h1>HM 165</h1>			
Fig.	Shank		Ref.-No.			2		
					L mm	7,0		
HM 165		HP	500 104 408 297			023		
								


HM 166

HM 166

Fig.	Shank	Ref.-No.		2
		L mm		11,0
HM 166	HP	500 104 409 297		021
	RA L	500 205 409 297		021

HM 166A

HM 166A

Fig.	Shank	Ref.-No.	 2
		L mm	11,0
HM 166A	HP	500 104 409 298	021

HM 166ST

					<h1>HM 166ST</h1>			
Fig.	Shank		Ref.-No.		2			
				L mm	11,0			
HM 166ST		HP	500 104 409 337		021			
								

HM 166RX

		Fig.	Shank	Ref.-No.	2
				L mm	11,0
		HM 166RX	HP	500 104 409 296	021
			RA L	500 205 409 296	021
			RA XL	500 206 409 296	021
					

Surgical cutters, x-cut

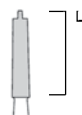
**HM 167**

Fig.	Shank	Ref.-No.	2
		L mm	11,0
HM 167	HP	500 104 410 297	023
	RA L	500 205 410 297	023

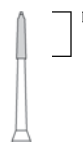
**HM 254**

Fig.	Shank	Ref.-No.	2
		L mm	6,0
HM 254	HP	500 104 415 296	012
	FG XXL	500 317 415 296	012

**HM 254E**

Fig.	Shank	Ref.-No.	2
		L mm	6,0
HM 254E	RA L	500 205 415 298	012

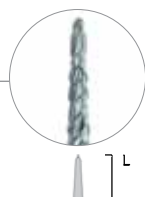
**HM 254LE**

Fig.	Shank	Ref.-No.	2
		L mm	6,0
HM 254LE	FG	500 314 415 299	012

**HM 408M**

Fig.	Shank	Ref.-No.	2
		L mm	10,0
HM 408M	HP	500 104 409 338	016
	FG XL	500 316 409 338	016

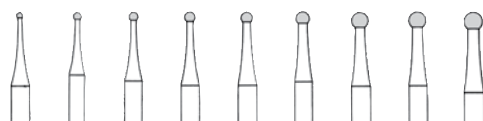
**Surgical Round Drill of Tungsten Carbide****HM 1S**

Fig.	Shank	Ref.-No.	5	5	5	5	5	5	5	5	5
		US-No.	1S	2S	3S	4S	5S	6S	7S	8S	10S
HM 1S	RA	500 204 001 003	008	010	012	014	016	018	021	023	027
	RA L	500 205 001 003		010	012	014	016	018	021	023	
	FG	500 314 001 003	008	010	012	014	016	018	021	023	

**HM 1T**

Fig.	Shank	Ref.-No.	2
HM 1T	HP	500 104 697 291	023
	RA L	500 205 697 291	023

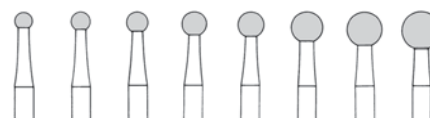
**HM 141**

Fig.	Shank	Ref.-No.	2	2	2	2	2	2	2	2
HM 141	HP	500 104 001 291	023	025	027	031	035	040	045	050
	RA L	500 205 001 291	023							



Tungsten carbide, 6 blades





HM 141A

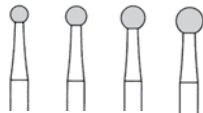


Fig.	Shank	Ref.-No.		2	2	2	2
HM 141A	HP	500 104 001 298		023	027	031	035
	RA L	500 205 001 298					035
	RA XL	500 206 001 298		023	027	031	035



Tungsten carbide, cross cut, 8-10 blades



HM 141F

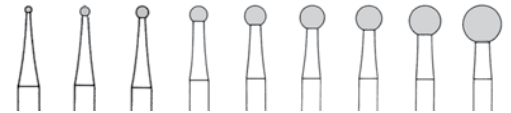


Fig.	Shank	Ref.-No.		2	2	2	2	2	2	2	2	2	2
HM 141F	HP	500 104 001 251		010	014	018	023	027	031	035	040	050	
	RA L	500 205 001 251		010	014	018	023	027	031	035	040	050	
	RA XL	500 206 001 251		010	014	018	023	027	031	035	040	050	



Tungsten carbide, fine, 8-10 blades



HM 141AS

NEW

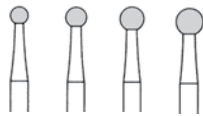


Fig.	Shank	Ref.-No.		2	2	2	2
HM 141AS	HP	500 104 001 300		023	027	031	035



Tungsten carbide, cross cut, 8-10 blades

Tungsten Carbide Finishing Burs



HM 379

HM 379U

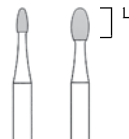


Fig.	Shank	Ref.-No.		5	5
		L mm		3,1	4,2
		US-No.		7404	7408
HM 379	FG XXL	500 317 277 072		014	023
HM 379U	FG XXL	500 317 277 032		014	023



HM 48L

HM 48LU

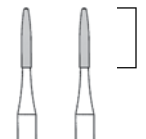


Fig.	Shank	Ref.-No.		5	5
		L mm		8,0	8,0
HM 48L	FG XXL	500 317 249 072		014	023
HM 48LU	FG XXL	500 317 249 032		014	023



Surgical Cutters of Steel



162RF

stainless steel

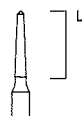


Fig.	Shank	Ref.-No.		2
		L mm		9,0
162RF	HP	330 104 408 297		016
	RA L	330 205 408 297		016
	FG XL	330 316 408 297		016



163RF

stainless steel

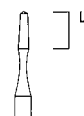


Fig.	Shank	Ref.-No.		2
		L mm		5,0
163RF	HP	330 104 406 297		014



164RF

stainless steel

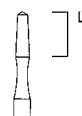


Fig.	Shank	Ref.-No.		2
		L mm		6,0
164RF	HP	330 104 407 297		018



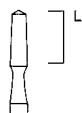
**165RF** stainless steel

Fig.	Shank	Ref.-No.		2
			L mm	7,0
165RF	HP	330 104 408 297		023
	RA L	330 205 408 297		023

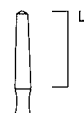
**166RF** stainless steel

Fig.	Shank	Ref.-No.		2
			L mm	10,0
166RF	HP	330 104 409 297		021

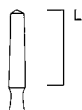
**167RF** stainless steel

Fig.	Shank	Ref.-No.		2
			L mm	10,0
167RF	HP	330 104 410 297		023

**168RF** stainless steel

Fig.	Shank	Ref.-No.		1
			L mm	22,0
168RF	HP L	330 105 411 297		023

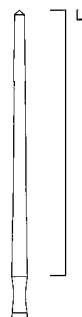
**169RF** stainless steel

Fig.	Shank	Ref.-No.		1
			L mm	35,0
169RF	HP XL	330 106 412 297		023



Surgical Round Drill of Stainless Steel

Coarse Allport bur for soft structures

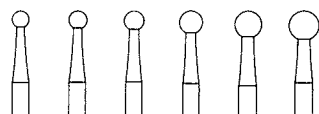
**141RF** stainless steel

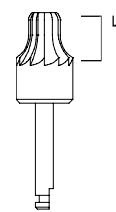
Fig.	Shank	Ref.-No.		2	2	2	2	2	2
141RF	HP	330 104 001 291		023	025	027	031	035	040
	RA XL	330 206 001 291		023					



6 cutting edges

Steel Burs

Stainless Steel Ridge contouring bur

**RCB00**

Shank	Fig.	RCB00
RA L		075
	L mm	6.0
		4.2
		7.5
		2

Minimal diameter
External diameter



Surgical Diamond Instruments

411G coarse



Fig.	Shank	Ref.-No.	2	2
		L mm	11,0	11,0
411G	FG L	806 315 411 534	016	018



Diamond surgical cutters

801 medium

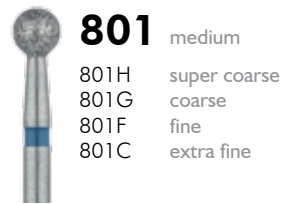


Fig.	Shank	Ref.-No.	5	5	5	2
			023*	027*	033*	050*
801	HP	806 104 001 524	023	027	033	050
	RA	806 204 001 524				
801H	HP	806 104 001 544				050*
	RA	806 204 001 544				050
801G	HP	806 104 001 534	023*		033*	050*
	RA	806 204 001 534				050
801F	RA	806 204 001 514	023		033	
801C	HP	806 104 001 504	023*			
	RA	806 204 001 504	023			



Sinus preparation

801LD medium super coarse

NEW



Fig.	Shank	Ref.-No.	2	2	2	2
			010			
801LD	RA XL	806 206 697 534				
801LD	RA XL	806 206 697 534		025	030	035



859 medium

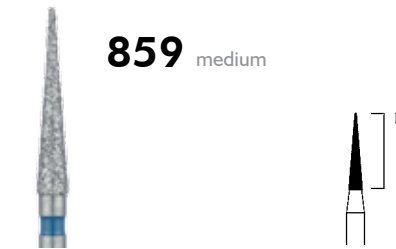


Fig.	Shank	Ref.-No.	5
		L mm	10,0
859	RA	806 204 166 524	018



859L medium

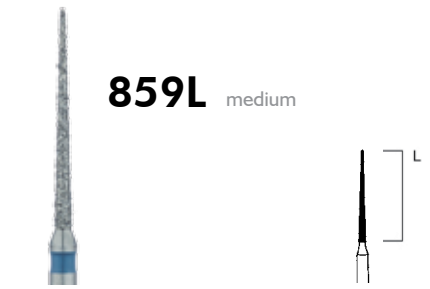


Fig.	Shank	Ref.-No.	5
		L mm	12,0
859L	RA	806 204 167 524	010



231DC extra fine



Fig.	Shank	Ref.-No.	1	1	1
		L mm	0,3	0,3	0,3
231DC	HP	806 104 064 504	070	100	
	RA	806 204 064 504	070*	100*	130*



Osteotomy saw for surgery

* contained in the Saw Basic Kit 7150

915DM medium



Fig.	Shank	Ref.-No.	1
		L mm	0,25
915DM	HP	806 104 35M 524	220
	unmounted	806 900 35M 524	220

Super flexible





Diamond Ridge Contouring



Fig.	Shank	Ref.-No.		1
		L mm		12,7
KD02G	HP			080



Diamond ridge contouring bur

Initial Burs

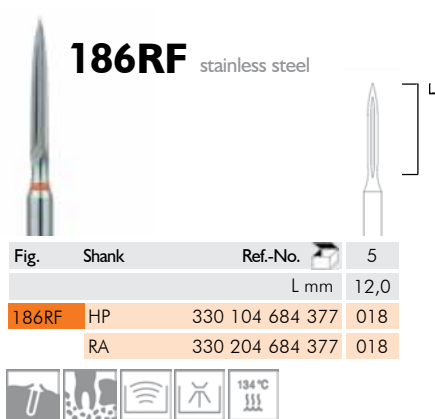


Fig.	Shank	Ref.-No.		5
		L mm		12,0
186RF	HP	330 104 684 377		018
	RA	330 204 684 377		018



Initial bur, stainless steel

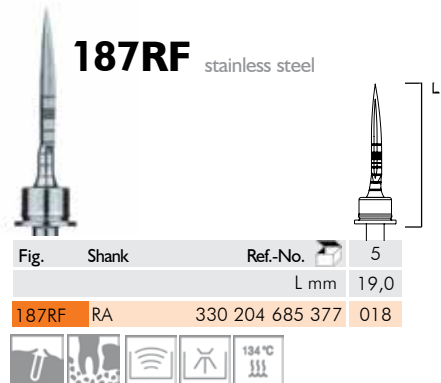


Fig.	Shank	Ref.-No.		5
		L mm		19,0
187RF	RA	330 204 685 377		018

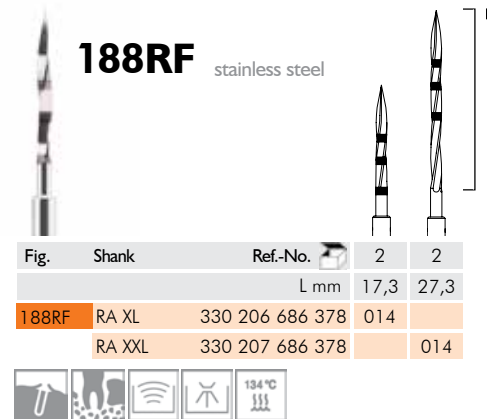
Initial bur with Stop,
stainless steel

Fig.	Shank	Ref.-No.		2	2
		L mm		17,3	27,3
188RF	RA XL	330 206 686 378		014	
	RA XXL	330 207 686 378			014



! According to Prof. Dr. Fouad Khoury

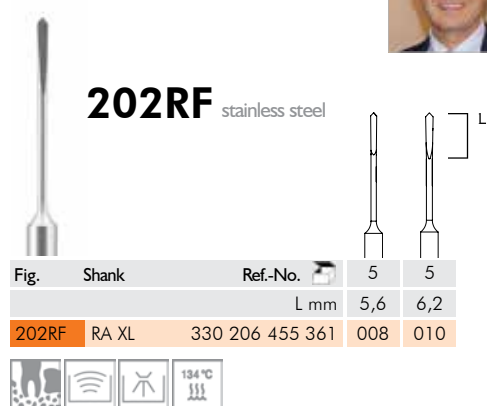


Fig.	Shank	Ref.-No.		5	5
		L mm		5,6	6,2
202RF	RA XL	330 206 455 361		008	010





Twist Drills

! According to Dr. Istvan Urban



203RF stainless steel

Fig.	Shank	Ref.-No.	2	2	2	2
		L mm	7,0	7,0	9,0	9,0
203RF	RA L	330 205 417 364	006	008	009	011

203S stainless steel

Fig.	Shank	Ref.-No.	2
		L mm	3,0
203S	RA	330 204 449 336	012

Twist Drill with Stop for decorticating

Pilot burs

Pilot burs, L=11 mm

Shank	Fig.	G2001
RA L	1	3,40
	1	

Pilot burs, L=12 mm

Shank	Fig.	A2001	B2001
RA L	1	1,30	1,60
	1		

Pilot burs, L=15 mm

Shank	Fig.	A1001	B1001	C1001	D1001	E1001	F1001
RA XL	1	1,00	1,30	1,50	1,80	2,00	2,50
	1						



Trephines



229 stainless steel

Fig.	Shank	Ref.-No.		1	1	1	1	1	1	1	1	1
		L mm		10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0
		- -		3,00	3,50	4,00	4,50	5,00	5,50	6,00	6,50	7,00
				2,00	2,50	3,00	3,50	4,00	4,50	5,00	5,50	6,00
229	RA L	330 205 486 001		020	025	030	035	040	045	050	055	060

Fig.	Shank	Ref.-No.		1	1	1	1	1	1	1	1	1
		L mm		10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0
		- -		7,50	8,00	8,50	9,00	10,00	11,00	12,00	13,00	
				6,50	7,00	7,50	8,00	9,00	10,00	11,00	12,00	
229	RA L	330 205 486 001		065	070	075	080	090	100	110	120	



Nominal size = internal diameter

* contained in the Trephine Basic Kit 7120



229L stainless steel

Fig.	Shank	Ref.-No.		1	1	1	1	1	1	1	1	1	1
		L mm		14,0	14,0	14,0	14,0	14,0	14,0	14,0	14,0	14,0	14,0
		- -		4,00	4,50	5,00	5,50	6,00	6,50	7,00	7,50	8,00	9,00
				3,00	3,50	4,00	4,50	5,00	5,50	6,00	6,50	7,00	8,00
229L	RA L	330 205 555 001		030	035	040	045	050	055	060	065	070	080



229XL stainless steel

Fig.	Shank	Ref.-No.		1	1	1	1	1	1	1	1	1
		L mm		18,0	18,0	18,0	18,0	18,0	18,0	18,0	18,0	18,0
		- -		4,00	4,50	5,00	5,50	6,00	7,00	8,00	9,00	
				3,00	3,50	4,00	4,50	5,00	6,00	7,00	8,00	
229XL	RA L	330 205 556 001		030	035	040	045	050	060	070	080	





224RF stainless steel

Fig.	Shank	Ref.-No.	2	2	2
		L mm	5,4	6,0	6,6
		- -	1,85	2,3	2,7
		□	1,4	1,8	2,1
224RF	HP	330 104 485 001	018	023	027



227RF stainless steel

Fig.	Shank	Ref.-No.	2
		L mm	9,0
		- -	5,0
		□	4,0
227RF	HP	330 104 485 001	050



230KH*

Shank	Fig.	230KH	230KH	230KH	230KH
RA		021	025	029	033
	L mm	2,0	2,0	2,0	2,0
	- -	3,1	3,5	3,9	4,3
	□	2,1	2,5	2,9	3,3
	□	1	1	1	1



Initial bur trephines



229KH*

Shank	Fig.	229KH
RA		000
	L mm	20.5
	- -	-
	□	-
	□	1



Internally cooled trepan shank



229KH*

Shank	Fig.	229KH	229KH	229KH	229KH
unmounted		021	025	029	033
	L mm	15,5	15,5	15,5	15,5
	- -	3,1	3,5	3,9	4,3
	□	2,1	2,5	2,9	3,3
	□	1	1	1	1



Internally cooled trepan work parts



229FS

Shank	Fig.	229FS	229FS
RA L		060	070
	L mm	12,0	12,0
	- -	6,0	7,0
	□	5,0	6,0
	□	1	1



Trephine with guiding pin



! Technology by Dr. Bernd Giesenhausen



Tissue Punches

225 stainless steel

Fig.	Shank	Ref.-No.								
				2	2	2	1	1	1	1
				L mm	5,3	4,5	4,9	6,0	6,0	6,0
				-	1,85	2,3	2,7	3,7	4,7	5,7
					1,4	1,8	2,1	3,0	4,0	5,0
225	HP	330 104 485 373		014	018	021				
	RA	330 204 485 373					030*	040*	050*	060* 070*



* contained in the Punch Basic Kit 7140



Nominal Size = Internal diameter

Spreaders

Spreader, L=15 mm

Fig.			A1005	B1005	C1005	D1005	E1005	F1005
			2,70	2,90	3,10	3,30	3,50	4,00
			1,43	1,64	1,84	2,05	2,26	2,79
			1	1	1	1	1	1



Spreader, L=12 mm

Fig.			A2005	B2005	C2005	D2005	E2005	F2005
			2,70	2,90	3,10	3,30	3,50	4,00
			1,70	1,91	2,12	2,33	2,54	3,06
			1	1	1	1	1	1



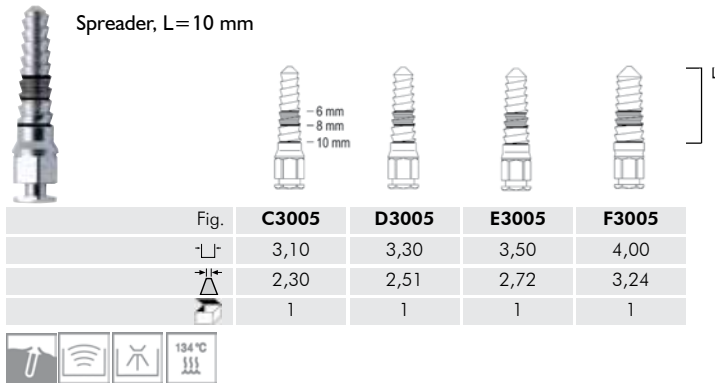
Spreader, L=11 mm

Fig.			G2005	H2005
			4,50	5,00
			3,65	4,17
			1	1





Horizontal Spreader

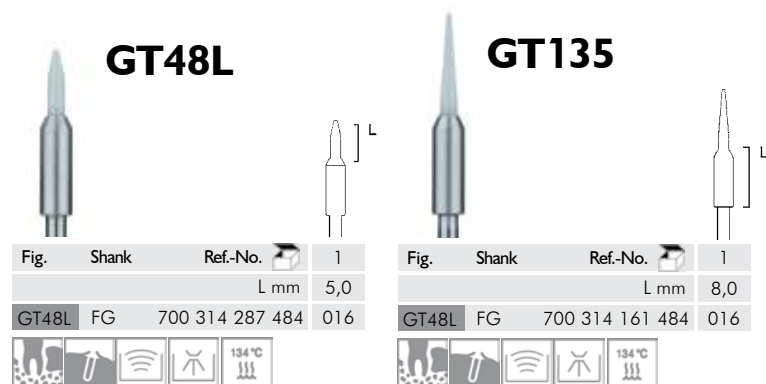


Gingiva Trimmer

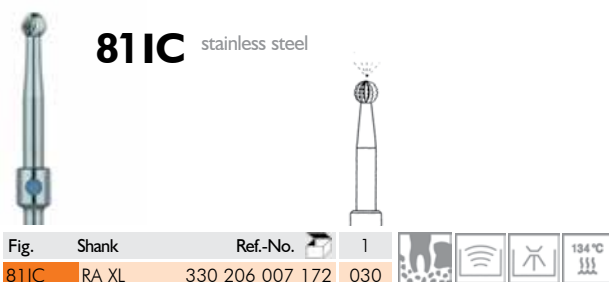
The MEISINGER gingiva trimmers are intended for use in dental mucosal surgery. They have been specially developed for the versatile and gentle treatment of gingival tissue. The working part consists of particularly high-quality and stable zirconia. The application takes place without cooling, so that the resulting rotational energy can be used for tissue modulation. Thanks to heat coagulation, bleeding tendency is reduced.

Instructions for use:

- Application without cooling
- Optimal speed: 300.000 - 450.000 rpm



Internally Cooled Instruments



Miscellaneous

Mouth wedges

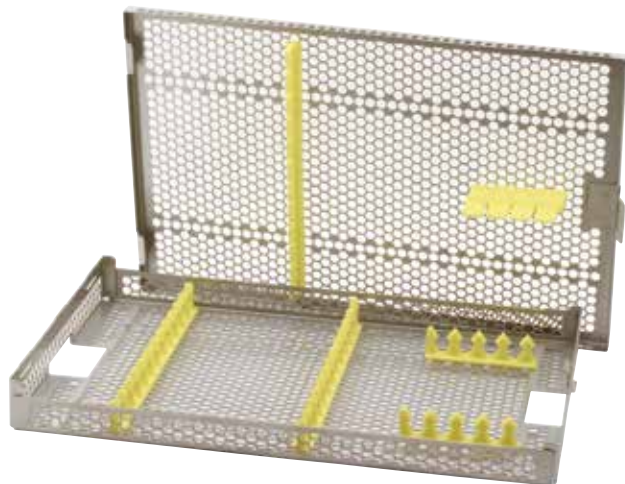
Mouth wedges (S, L, XL)





Surgical Trays

Non-corrosive, sterilizable



Art.-No. BWT03 B 273 x H 29 x T 176 mm
For 16 Manual Instruments



Art.-No. BWT01 B 205 x H 34 x T 143 mm
For 10 Manual Instruments



Art.-No. BWT02 B 280 x H 34 x T 183 mm
For 20 Manual Instruments



Art.-No. HI100 B 205 x H 34 x T 143 mm
Manual Instrument Mesh Wash Tray

For all





Bur Blocks

Sterilizable Anodized Aluminum



Art.-No. BL800S
Fits 10 RA, 6 HP
Also Available in: ●



Art.-No. BLK618RA
Fits 18 RA



Art.-No. BLK800
Fits 24 RA, 48 FG
Also Available in: ●



Art.-No. BLK900
Fits 14 HP



Art.-No. BLK915
Fits 23 HP



Art.-No. GR202
Fits 15 RA
Also Available in: ●



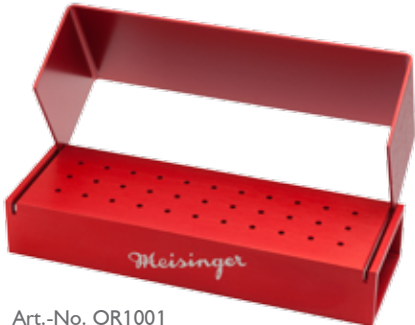
Art.-No. OR100
Fits 5 RA, 10 FG
Also Available in: ●



Art.-No. OR102
Fits 7 RA, 14 FG
Also Available in: ● ●



Art.-No. OR603
Fits 6 RA, 12 FG
Also Available in: ● ● ●



Art.-No. OR1001
Fits 33 HP
Also Available in: ●



Art.-No. BL1002
Fits 18 FG, RA, or HP



Special Notes & Rotary Speeds

The following reference values for rotation speeds apply to surgery in general:

Handpiece (HP):

- recommended: 6,000 - 10,000 min⁻¹
- maximum: 40,000 - 50,000 min⁻¹

Right Angle (RA):

- recommended: 6,000 - 10,000 min⁻¹
- maximum: 40,000 - 50,000 min⁻¹

Friction Grip (FG):

- recommended: 80,000 min⁻¹
- maximum: 100,000 - 120,000 min⁻¹

Trepans

Special care should be exercised when using trepans. Specifically, the recommended speeds are not to be exceeded. When preparing the use of a trepan, this should be inserted counter-clockwise to create a groove in the bone. Then the trepan can be inserted deeper into groove with clockwise rotation.

Recommended speeds:

Ø < 045: <200-1000 min⁻¹

Ø ≥ 045: <200-400 min⁻¹

Application and Hygiene Symbols

The symbols give merely suggestions for the possible implementation of the products. The user decides and takes full responsibility about the precise deployment according to existing indications. Please follow general application and safety instructions for MEISINGER products in the medical and dental area and also the advice for processing. Details can be found on the internet under www.meisinger.de or you can request one by mail.

Dentistry



Jaw surgery



Implantology

Dental laboratory



Veneer and ceramic technique

Cleaning/Disinfection/Sterilization



Sterilizable in a steam sterilizer (autoclave) at the temperature specified



Washer-disinfector for thermal disinfection



Ultrasonic bath



Internal diameter



Minimal diameter



External diameter



Rotary speed



With the reuse of disposable products the risk of infection cannot be excluded and a risk-free functional safety cannot be guaranteed.



Please follow general application and safety instructions for MEISINGER products in the medical area and also the advice for processing (cleaning, disinfection and sterilization) of medical devices from Hager & Meisinger GmbH. Please also pay attention to the special preparation specifications for products made of tool steel.



Contains hazardous substances: Cobalt, CAS: 7440-48-4

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Regulatory Requirements

Meisinger stands for high quality medical devices since 1888. The quality management system of a company which manufactures medical devices must meet specific special requirements. These extremely high requirements are defined in ISO 13485 and meticulously complied with by our company. A MDSAP certificate according to ISO 13485:2016 confirms compliance with the requirements of international authorities in the USA (FDA), Canada (Health Canada), Australia (TGR), Japan (MHLW) and Brazil (ANVISA). All medical devices which you purchase from us as customer, comply with all applicable requirements of the Medical Device Directive 93/42/EEC. Our company is certified by an independent Notified Body and certification is performed according to the specifications of standards. Current certificates can be found on our homepage www.meisinger.de

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