



Straight and angled handpieces for surgery

Bien Air
SWITZERLAND

Surgical instruments - technical characteristics



PM RM 1122 / 1:1 ratio
REF 1600206-001
REF 1600340-001
REF 1600341-001



PM AM 10121 / Reducing ratio of 10
REF 1600202-001



PM AM 1122 / 1:1 ratio
REF 1600207-001
REF 1600336-001
REF 1600337-001



PM AM 1221 / Increasing ratio of 2
REF 1600295-001
REF 1600338-001
REF 1600339-001

For bur lengths:
70 mm
95 mm
125 mm

Straight and angled handpieces

| | |
|------------------|---|
| Coupling | E Standard type |
| PM RM 1122 | Straight handpiece / 1:1 ratio / Max. rotation speed 40 000 rpm / Ring locking system |
| PM AM 10121 | Angled handpiece / 10x reducer / Max. rotation speed 4 000 rpm / Ring locking system |
| PM AM 1122 | Angled handpiece / 1:1 ratio / Max. rotation speed 40 000 rpm / Ring locking system |
| PM AM 1221 | Angled handpiece / 1:2 ratio / Max. rotation speed 80 000 rpm / Ring locking system |
| Spray | 1 external spray |
| Irrigation tubes | 70 mm REF 1500096-001 / 95 mm REF 1500097-001 / 125 mm REF 1500098-001 |
| Irrigation lines | Set with 10 irrigation lines REF 1100037-010 |

Tools

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|--------------------------------------|--|
| Tools for PM | Shank Ø 2.35 mm - type 2, according to ISO 1797-1 |
| Total length according to ISO 6360/1 | 70 mm, diamond burs, DIA 242 type 70 mm, tungsten carbide or stainless steel burs, 236 type 95 mm and 125 mm (on sale at Bien-Air) |
| Head size | 006 to 070 according to ISO 2157. Refer to the Bien-Air Surgery catalogue. |



PM Dr. Causse
1600210-001

For stapedotomy, straight handpiece

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| Coupling | E Standard type |
| PM Dr. Causse Type | Straight handpiece with Dr. Causse's drill tool / 1:1 ratio / Max. rotation speed 40 000 rpm / Ring locking system Recommended for executing a stapedotomy |



PM RM 1122 Intra-nasal
1600329-001



PM AM 1122 Intra-nasal
1600328-001



Spherical bur chuck, supplied with handpiece
1100058-001

For en-DCR, straight and angled handpieces

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|------------------------|--|
| Coupling | E Standard type |
| PM RM 1122 Intra-nasal | Straight handpiece / 1:1 ratio / Max. rotation speed 10 000 rpm / Ring locking system |
| PM AM 1122 Intra-nasal | Angled handpiece / 1:1 ratio / Max. rotation speed 10 000 rpm / Ring locking system |
| Spray | 1 external spray and suction system |
| Bur | Spherical bur chuck, head dia. 3.1 mm according to ISO 2157 Shank dia. 2.35 mm - type 2 according to ISO 1797-1 Total length: 125 mm according to ISO 6360/1 |



Microsaws

The saws are provided with extra-thin blades which reduce the loss of bone to a minimum. The sagittal, osseoscalpel and oscillating saws are equipped with an irrigation tube integrated in the hand-grip. For the compass model, a detachable tube ensures correct irrigation, it can be used with blades or tungsten rasp.

BASCH micromotor:
controlled by our microsurgery control units
OSSEOPRO and OSSEODOC and by the
otorhinolaryngology control unit ORL-E-922.
High-performance motor, brushless, variable
speed, high torque, self-ventilated.



Straight and contra-angled handpieces

Reliable, strong and easy-to-use instruments, designed mainly for surgery and implantology applications. The 30:1 reduction model is fitted with a removable Kirschner/Meyer system for irrigation through the centre of the tool or an external spray. The 1:1 transmission handpieces have only an external spray. Push-button instruments.



Straight and angled handpieces

This new range, adapted to modern-day user requirements, ensures that you work in complete safety. Instruments with external spray of the E Standard type. Bur locking by ring rotation. Identification of the transmission type by a green ring (speed reducing ratio of 10), blue ring (1:1 ratio) or red ring (speed increasing ratio of 2). The position of the spray nozzle is adjustable, for improved adaptation of the physiological liquid outlet. The four instruments, PM AM and PM RM, are available, according to the model, in 3 sizes. These instruments are designed to receive tool lengths 70, 95 and 125 mm.

These handpieces for DCR have been tested and are recommended by Doctor Bruno Fayet of the Department of Ophthalmology of the Hospital and University of Paris (6th arrondissement), and by Doctor Emmanuel Racy of the Department of Otorhinology of Lariboisière Hospital and the University of Paris (7th arrondissement).



Straight and angled handpieces for endonasal dacryocystorhinostomy (en-DCR) in adult patients

The special design of the intra-nasal tip - fitted with a shield covering half of the handpiece - is particularly appropriate for endonasal operations. Transmission type identified by a blue ring (1:1 transmission). Special nose equipped with an external spray and a suction device.

Surgical instruments - technical characteristics



Osseoscalpel microsaw
1600213-001



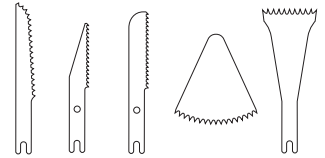
Compass microsaw
1600214-001



Oscillating microsaw
1600217-001



Sagittal microsaw
1600222-001



Microsaws

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|-----------------------|---|
| Coupling | E Standard type |
| Osseoscalpel microsaw | According to Sachse. With axial/sagittal cut, oscillating hub, especially suitable for three-dimensional cutting. Irrigation tube for physiological liquid integrated in the hand-grip / Recommended max. running speed 20 000 rpm Blades: thickness 0.35 mm. Length of serration 12/18/24 mm |
| Compass microsaw | Detachable irrigation tube to be slid over the instrument / Recommended max. running speed 15 000 rpm Blades: thickness 0.25 mm. Length of serration 11/14/18/22/26 mm. Can also be used with tungsten rasp |
| Oscillating microsaw | Irrigation tube for physiological liquid integrated in the hand-grip / Recommended max. running speed 15 000 rpm 27-mm saw blade with short shank. Length of serration 6/10/15 mm, thickness 0.30 mm. Usable length 11 mm 42-mm saw blade with long shank. Length of serration 6/10/15 mm, thickness 0.30 mm. Usable length 26 mm |
| Sagittal microsaw | According to Sachse. Tube for physiological liquid integrated in the hand-grip. Recommended max. running speed 20 000 rpm / Blades: thickness 0.35 mm. Length of serration 4/6/10/12 mm |



PM 1123
1600052-001



CA 1122
1600200-001



CA 30121
1600284-001

Straight and contra-angle handpieces

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|----------|--|
| Coupling | E Standard type |
| PM 1123 | Straight handpiece, 1:1 ratio / Ring locking system / 1 external spray / Tools ø 2.35 mm - type 2 - Length 44.5 mm |
| CA 1122 | Contra-angle, 1:1 ratio / Push button grip / 1 external spray / Tools ø 2.35 mm - type 1 - Length 22 or 26 mm |
| CA 30121 | Contra-angle, 30x reducer / Push button grip / 1 external spray and Kirschner/Meyer type detachable irrigation system Tools ø 2.35 mm - type 1 - Length 22 or 26 mm or Kirschner/Meyer type |



Motor BASCH

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|-------------------------------|--|
| REF | Motor 1600076-001 / Cable 1600342-001 |
| Coupling | ISO nose, E Standard type |
| Power input | 0-24 Vdc 5 A max. |
| Electromagnetic compatibility | In accordance with IEC 601-1-2 |
| Rotation speed | 500 - 40 000 rpm, self-ventilated |
| Dimensions / Weight | diameter 21 mm, length 100 mm, ISO nose included / 110 g, without cable |
| Motor cable | Push-pull type at OSSEOPRO or ORL-E-922 end, stainless steel ferrule at BASCH motor end. Black colour / length 3 m |
| Sterilization | Instruments, BASCH motor and cable are sterilizable in autoclave according to ISO Standard 7785 |

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