

Technical data



OSSEOSTAP handpiece (REF 1600685-001)

Marking	CE 0120 as per 93/42 EEC directive
Type	Microdrill handpiece powered by brushless motor, with curved nose for stapedotomy and middle ear ossiculoplasty
Power supply	12 VDC
Power/Torque	Max 4W @ 3 Nmm
Speed range	2,000 to 12,000 rpm
Dimensions/Weight	Overall length 180 mm, max outer diameter 15.5 mm / approx 60 g without cable
Guiding tube	Ø 2.1 x 64.5 long, curved 15°, with reinforcement for improved stability
Cable	Length 295 cm ± 5 cm. Silicon cable with push-pull type connector, autoclavable
Cleaning/Sterilization	Hand cleaning or in thermo-disinfector. Sterilization in steam autoclave 134°C / 18 min



Tools

Carbide burs	From Ø 0.5 mm to Ø 2.3 mm
Diamond burs	From Ø 0.6 mm to Ø 2.3 mm. Color coding ring for diameter recognition
Drill	Ø 0.35 mm, stainless steel
Packaging	Delivered in sterile packaging (box of 3 pcs). Reusable, steam autoclavable 134°C / 18 min



OSSEOSTAP Control unit (REF 1600686-001)

Marking	CE 0120 as per 93/42 EEC directive
Type	Battery powered brushless control system for OSSEOSTAP handpiece
Power supply	8 x LR6/AA commercial batteries
Battery power reserve	Min. 100 cycles
Motor power supply	Push-pull type connector / 12 V
Features	Green power ON light, RED fault warning light. Battery low indicator (RED light flashing). Auto-OFF function after 15 min., for energy saving.
	Soft start, speed according to foot position between 2,000 to 12,000 rpm
Electrical insulation class	Class I
Applied parts	BF type
Protection class	IP X8 (water resistant up to 1 meter)
Dimensions/Weight (L x H x D)	160 x 56 x 220 mm / 1.1 kg

OSSEOSTAP Set (REF 1700331-001) handpiece & control unit

The company reserves the right to make model modifications and technical changes.

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Bien Air
Surgery



OSSEOSTAP
STAPEDOTOMY MICRODRILL SYSTEM



OSSEOSTAP ERGONOMICS, PERFORMANCE AND RELIABILITY

The **OSSEOSTAP** system from Bien-Air is the partner you've been waiting for. Its light weight, extreme precision and unique reliability are immediately appealing. The **OSSEOSTAP** handpiece is the ideal extension of your hand, perfectly obeying your will. It is controlled by a discreet, practical pedal operating on batteries. **OSSEOSTAP**. So natural, you'll soon forget it's there, even though you'll find it indispensable.

The **OSSEOSTAP** system has been designed for micro-shaping during delicate operations of stapedotomy and ossiculoplasty of the middle ear.

A MODEL OF ERGONOMICS

The **OSSEOSTAP** handpiece is a model of ergonomics. Its small size and weight of only 60 grams make it very easy to handle. Its reinforced, incurved front tip ensures easy access to the middle ear plate while offering maximum visibility.

The **OSSEOSTAP** handpiece incorporates the latest model of the Bien-Air brushless micro-motor family without sensors.

This powerful high-tech micromotor rotates at speeds ranging from 2,000 rpm to 12,000 rpm, with no vibration and no jerking. Thanks to its exemplary progressivity, the most subtle micro-shaping operations are no longer a problem.

The bur release button remains highly accessible, without hindering handling of the instrument.

For optimal hygiene in all circumstances, the **OSSEOSTAP** handpiece and its motor, cable and tools have been designed to withstand repeated machine washing and sterilisation in an autoclave.

The **OSSEOSTAP** handpiece can also be controlled by the **OSSEOSTAP** console provided with a bur recognition system.

INTELLIGENT AND COMPACT

The pedal of the **OSSEOSTAP** houses the core of the system: sophisticated electronics offering unprecedented motor control. Very easy to use, it also offers extremely precise settings. Even at low speed, you keep perfect control of your instrument's power. The **OSSEOSTAP**'s portable control operates on eight standard batteries, giving an autonomy of at least 100 procedures. It is perfectly watertight and meets the stringent IPX8 standard (prolonged immersion in a liquid under pressure).

A BUR FOR EACH APPLICATION

Carbide burs, diamond burs or ultra-slim drill (0.35 mm): a range of cutting tools meeting the most varied requirements is available for **OSSEOSTAP**.

OFFER YOURSELF SWISS QUALITY

With 50 years' experience in ENT surgery and dentistry, Bien-Air offers a range of solutions and products which are renowned worldwide for their excellent quality.

100% Swiss Made, Bien-Air products are designed and manufactured in the heart of Watch Valley, a region famed for its unique expertise in microtechnology. Our customers testify daily to the high quality, reliability and precision of our products, on terms that are more attractive than ever.

REF	Description	Ø mm	Colour
1501222	Hard metal bur	0.5	Purple
1501223	Hard metal bur	0.6	Blue
1501224	Hard metal bur	0.7	Green
1501225	Hard metal bur	0.8	Yellow
1501226	Hard metal bur	1	Orange
1501227	Hard metal bur	1.4	Grey
1501228	Hard metal bur	1.8	Brown
1501229	Hard metal bur	2.3	Red
1501230	Diamond bur	0.6	Blue
1501231	Diamond bur	0.7	Green
1501232	Diamond bur	0.8	Yellow
1501233	Diamond bur	1	Orange
1501234	Diamond bur	1.4	Grey
1501235	Diamond bur	1.8	Brown
1501236	Diamond bur	2.3	Red
1501240	Drill steel	0.35	Black



OSSEOSTAP, the perfect combination of ergonomics, performance and reliability.