

# ENT SOLUTIONS

SWISS 🕂 MADE





### **BIEN-AIR** CREATOR OF EXCELLENCE SINCE 1959

ORL-E-92 The legendary pedal developed with Professor Fisch



2007**OSSEO**DUO The high-speed multifunction control unit



1959 The Bien-Air adventure begins in Neuchâtel



1981 RHEOSTAT First milling system for ear surgery

mission since its creation in 1959.

With over 60 years' experience in ENT surgery and manufacturing processes. and dentistry, Bien-Air has won global recogproducts.

core of the development of every new product. Constantly in tune with the day-to-day require- Our promise is to continue our innovative ments of practitioners, Bien-Air has moved approach in order to provide you with advanced beyond its previous innovation boundaries, con- instruments and solutions. Making your work stantly setting the bar higher.

Offering reliable and easy to use instruments to A true culture of excellence, which fits perfectly simplify the work of practitioners and constantly with the tradition of Swiss-Made products from improve patient comfort has been Bien-Air's the renowned Watch Valley. Bien-Air supplies high quality products, which can only be guaranteed by using state-of-the-art technologies

nition for the performance and reliability of its Bien-Air is a human-scale family business. Its close relationships with its customers and partners are one of its most valuable assets. This is why Ergonomics, precision and durability are at the every individual receives personalised attention.

easier, every day.



David Mosimann founded Bien-Air in 1959. His son, Vincent, currently presides over the Bien-Air Medical Technologies Group.



### 2014

#### PM2

Bien-Air reinvent the handpiece. Ergonomic design and state-of-the-art technology

# PM2 HANDPIECES EXCLUSIVE DESIGN



Multiple adjustable lengths

360° directional irrigation

Perfect handling and balance

#### SHAPING THE FUTURE OF HANDPIECES

Instruments to match your expertise! The PM2 handpieces give you the perfect combination of new design and state-of-the-art technology. For your comfort and that of your patients.





PN



### PM2: REDEFINING ERGONOMICS INTERNAL IRRIGATION

These handpieces are up to 51% lighter and Our heavy duty handpieces feature a unique 37% shorter than the previous generation. irrigation system. The irrigation hose connection Handling your instrument requires less effort, is at the base of the instrument and is internally leading to greater accuracy in your movements channeled through to the distal end. and less fatigue.

The Bien-Air PM2 connection offers a noticeable heating during long procedures. Your handpiece reduction in size and a great flexibility. Each PM2 will remain comfortable and cool throughout handpiece is compatible with Bien-Air NANO, lengthy or demanding surgical case. RAPIDO and BASCH-1 micromotors. The PM2 handpieces offer you high-level performance and reliability.





This design keeps your handpiece from over-



while ensuring perfect handling and visibility

## PM2 HANDPIECES AHEAD OF THE FIELD



3 bur extension lengths

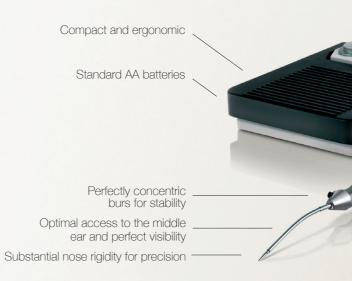
### ADJUSTABLE BUR

The PM2 burs are fitted with additional retentive The PM2 range of burs has been locking grooves at the base. This meaning that specially designed to be used with the bur can be extended to 3 different lengths, PM2 handpieces and micromotors giving you more access to delicate areas while at speeds of up to 80,000 rpm. providing better visibility without compromising bur stability.

### SECURE LOCKING SYSTEM

The triangular coupling prevents any loss of drive during heavy use. All torque is transferred for greater performance.

## OSSEOSTAP UNIQUE PRECISION



### **ULTIMATE CONTROL**

drilling site. The OSSEOSTAP system has been precision and comfort. designed for micro-shaping during delicate stapedotomy and ossiculoplasty operations The OSSEOSTAP handpiece, its motor, cable on the middle ear.

The Bien-Air OSSEOSTAP is particularly notable The OSSEOSTAP handpiece integrates for its light weight, precision, ease of handling Bien-Air brushless, sensorless micromotor. and reliability. The OSSEOSTAP's nose has This powerful micromotor rotates at speeds a unique structure, it tapers down to the distal ranging between 2,000 rpm and 12,000 end which provides rigitality for accurate drilling. rpm, smoothly and without vibrations. Despite The small dimension of the distal end and the their reduced size, **OSSEO**STAP burs have curve of the nose allows good visibility of the perfect concentricity, which further enhances

The **OSSEO**STAP foot pedal is a compact, processes. standalone component that operates on standard AA batteries. This allows the surgeon to maintain precise control of the OSSEOSTAP handpiece without the need of a control unit or power outlet. Compact and ergonomic, the **OSSEO**STAP foot pedal is portable, making it a valuable alternative to controlling the OSSEO-STAP with the **OSSEO**DUO console.

Only 60 g Brushless, sensorless motor providing durability

**Sien**Air

**OSSEO**STA

and tools have been designed to withstand multiple wash cycles and autoclave sterilisation



### S120 ERGONOMICS AND PRECISION

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### S120 HANDPIECE

The S120 handpiece is light weight, precise and easy to handle. With its ergonomics and integrated irrigation, which allows blades to be changed without disconnecting the irrigation, the S120 is marked out by its ease of handling and balance. It ensures high-precision operations, even in areas that are difficult to access.

You will be particularly impressed by its versatility and simplicity.

Ultra-precision control of motors and handpieces

# OSSEODUO SIMPLE AND PRATICAL



 Max speed:
 80,000 rpm

 Sound level:
 IIIII

 Weight:
 115 g

The RAPIDO is a powerful, ventilated micromotor with excellent torque. It provides significant cutting performance even in challenging surgical situations. The directional self-ventilation provides low operating temperatures, consistent performance and comfort during long procedures.  
 • DIIII

 80 g

 The NANO micromotor is compact, lightweight and

NANO MICROMOTOR

80,000 rpm

NANO

extremely quiet. It provides speed, torque, ergonomics, and less fatigue at the end of each surgical procedure.

RAPIDO and NANO micromotors are compatible with the range of Bien-Air PM2 handpieces.

High-speed shaping up to 80,000 rpm

Integrated irrigation with adjustable flow rate between 8 and 135 ml/min

With its convenient size and versatility, the **OSSEO**DUO paves the way for an optimal surgical experience.

Developed by and for surgeons, the **OSSEO**-DUO combines simplicity of use with performance to provide a comprehensive portfolio of micromotors and instruments. One **OSSEO**DUO feature allows you to rapidly select any connected micromotor from the console or the foot pedal.

The **OSSEO**DUO is a multi-functional power console specifically designed for the following surgical specialties:

- ENT Surgery
- Neurosurgery
- Spine Surgery

Offering independence to the surgeon, the pedal controls the micromotor's speed, rotation direction and activates irrigation.

Two micromotors can be fitted to the **OSSEO**-DUO simultaneously. It has been designed to ensure perfect command of the RAPIDO and NANO micromotors, giving you access to the PM2 range of compact handpieces.

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**OSSEO**DUO

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The entire Drill range is also compatible, as are the S120 Shaver handpiece and the **OSSEO**STAP stapedotomy and ossiculoplasty handpiece.





#### A RATIONAL, HIGH-PERFORMANCE SOLUTION

Along with robust and stable, the **OSSEO**DOC is very simple to use. It has been exclusively designed for the following surgical specialties:

- Otology surgery
- Laterall skull-based surgery

Its reliability and performance have made it a benchmark tool.

There are 4 motor speed ranges, a choice of rotational direction, 2 irrigation options and 4 peristaltic pump delivery rates. All functions are also available on the pedal.

Indicator lamps and audible signals indicate the functions that have been activated.

## **OSSEO**DOC COMPACT AND FUNDAMENTAL

### BASCH-1: GUARANTEED POWER

The BASCH-1 delivers a substantial torque with a max speed of 40'000 rpm.

The BASCH-1, based on proven Bien-Air technology, is compatible with the **OSSEO**DOC and the previous generation consoles, and allows to upgrade your system to new PM2 line handpieces.

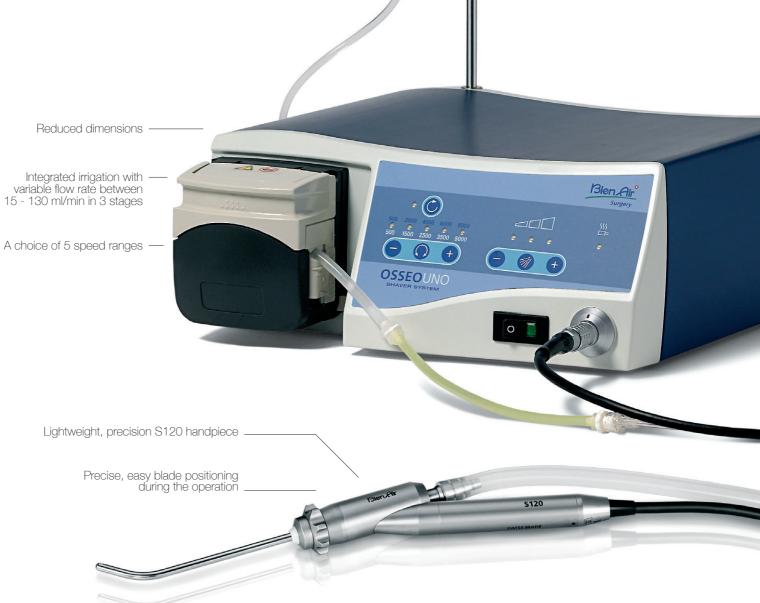




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# OSSEOUNO FOR NOSE SPECIALISTS

### COMFORT AND PRECISION

The Bien-Air **OSSEO**UNO Shaver system offers performance along with a refined reduced size.

The shaver can be controlled in continuous rotation mode or oscillating rotation mode with a choice of 5 speed ranges. The OSSEOUNO also offers highly precise control of the rotation speed up to 8,000 rpm.

The **OSSEO**UNO is fitted with an integrated peristaltic pump. The pump delivery is easily adjustable from 15 to 130 ml/min, by pressing a key.

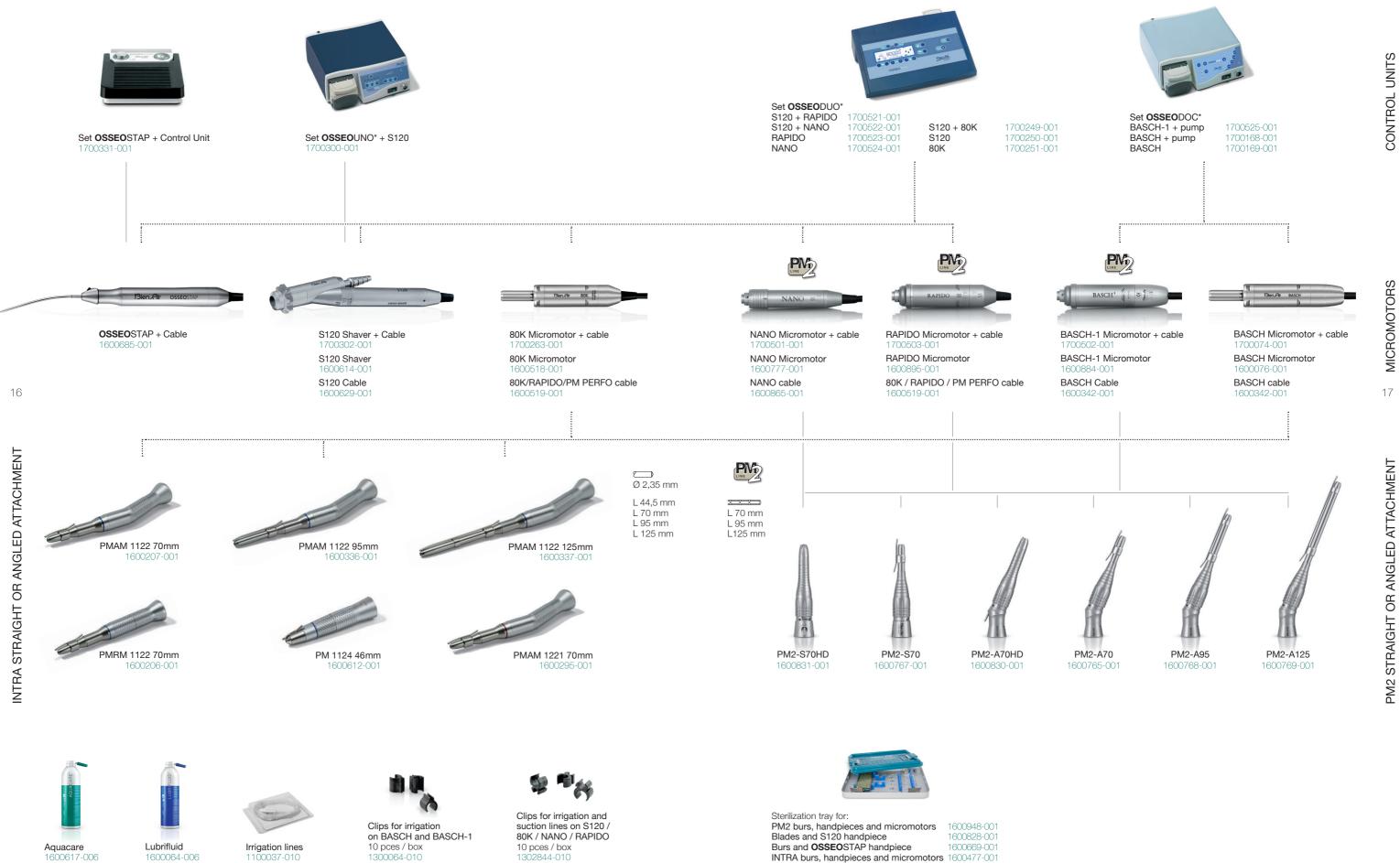
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and simplicity.

You will be particularly impressed by its versatility

# PRODUCTS OVERVIEW







<u> </u>	STAINLESS STEEL		0-	DIAMOND
	Non sterile – 1 pce / box	Sterile – 5 pces / box		Non sterile – 1 pce / box
ø mm	Reusable	Single use	ø mm	Reusable
0.6	1100290-001	1100416-005	0.6	1100247-001
0.8	1100291-001	1100417-005	0.8	1100248-001
1.0	1100292-001	1100418-005	1.0	1100249-001
1.4	1100293-001	1100419-005	1.4	1100250-001
1.8	1100294-001	1100420-005	1.8	1100251-001
2.3	1100295-001	1100421-005	2.3	1100252-001
2.7	1100296-001	1100422-005	2.7	1100253-001
3.1	1100297-001	1100423-005	3.1	1100254-001
3.5	1100298-001	1100424-005	3.5	1100255-001
4.0	1100299-001	1100425-005	4.0	1100256-001
4.5	1100300-001	1100426-005	4.5	1100257-001
5.0	1100301-001	1100427-005	5.0	1100258-001
6.0	1100302-001	1100428-005	6.0	1100259-001
7.0	1100303-001	1100429-005	7.0	1100260-001

ND	0=	COARSE DIAMOND
e – 1 pce / box		Non sterile – 1 pce / box
eusable	ømm	Reusable
)247-001	2.3	1100304-001
0248-001	2.7	1100305-001
)249-001	3.1	1100306-001
0250-001	3.5	1100307-001
0251-001	4.0	1100433-001
0252-001	4.5	1100434-001
0253-001	5.0	1100435-001
)254-001	6.0	1100436-001
0255-001	7.0	1100437-001
0256-001		
0257-001		
0258-001		
)259-001		
)260-001		

CARBIDE

CROSSCUT

100		1000			
	Non sterile – 1 pce / box			Non sterile – 1 pce / box	
ø mm	Reusable	ø mr	m	Reusable	Ø
0.5	1100261-001	1.4		1100438-001	6
0.8	1100262-001	2.3	8	1100439-001	-
1.0	1100263-001	3.1		1100440-001	
1.4	1100264-001	4.C	)	1100441-001	
1.8	1100265-001	5.0	)	1100442-001	
2.3	1100266-001	6.0	)	1100443-001	
2.7	1100267-001				
3.1	1100268-001				
3.5	1100269-001				
4.0	1100270-001				
4.5	1100271-001				
5.0	1100272-001				
6.0	1100273-001				
7.0	1100274-001				

– 1 pce / box		Non sterile – 1 pce / box	Sterile – 1 pce / box
Isable	ø mm	Reusable	Single use
438-001	6.0	1100275-001	1100430-001
439-001	7.0	1100276-001	1100431-001



	Non sterile – 1 pce / box			
ømm	Reusable			
0.6	1100389-001			
0.8	1100390-001			
1.0	1100391-001			
1.4	1100469-001			
1.8	1100470-001			
2.3	1100471-001			

-	STAINLESS STEEL	0-	DIAMOND
	Sterile – 5 pces / box		Sterile – 1 pce / box
ø mm	Single use	ømm	Single use
0.6	1100351-005	0.6	1100365-001
0.8	1100352-005	0.8	1100366-001
1.0	1100353-005	1.0	1100367-001
1.4	1100354-005	1.4	1100368-001
1.8	1100355-005	1.8	1100369-001
2.3	1100356-005	2.3	1100370-001
2.7	1100357-005	2.7	1100371-001
3.1	1100358-005	3.1	1100372-001
3.5	1100359-005	3.5	1100373-001
4.0	1100360-005	4.0	1100374-001
4.5	1100361-005	4.5	1100375-001
5.0	1100362-005	5.0	1100376-001
6.0	1100363-005	6.0	1100377-001
7.0	1100364-005	7.0	1100378-001

PM2 – 80K\* BURS RANGE

(\*maximum usable speed for the bur: 80,000 rpm)

Q	COARSE DIAMOND			
		Sterile - 1 pce / box		
e	mm	Single use	Ø	
	2.3	1100379-001		
	3.1	1100380-001		

EXTRA COARSE DIAMOND

X		Sterile - 1 pce / box
	ø mm	Single use
	4.5	1100381-001
	6.0	1100382-001

-	STAINLESS STEEL		
	Sterile – 1 pce / box		Sterile – 1 pce / box
ø mm	Single use	ø mm	Single use
1.0	1100446-001	1.0	1100320-001
1.8	1100447-001	1.8	1100321-001
2.3	1100448-001	2.3	1100322-001
3.1	1100449-001	3.1	1100323-001
4.0	1100450-001	4.0	1100324-001
5.0	1100451-001		
6.0	1100452-001		

-	STAINLESS STEEL	0-	DIAMOND
	Sterile - 1 pce / box		Sterile – 1 pce / box
ø mm	Single use	ø mm	Single use
1.8	1100453-001	1.0	1100308-001
2.3	1100454-001	1.8	1100309-001
3.1	1100455-001	2.3	1100310-001
4.0	1100456-001	3.1	1100311-001
5.0	1100457-001	4.0	1100312-001
6.0	1100458-001		



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### • 70 MM

3-	CARBIDE
	Sterile – 1 pce / box
ømm	Single use
0.5	1100392-001
0.8	1100393-001
1.0	1100394-001
1.4	1100395-001
1.8	1100396-001
2.3	1100397-001
2.7	1100398-001
3.1	1100399-001
3.5	1100400-001
4.0	1100401-001
4.5	1100402-001
5.0	1100403-001
6.0	1100404-001
7.0	1100405-001

	FULL CARBIDE
	Sterile – 1 pce / box
ø mm	Single use
0.5	1100475-001
1.0	1100462-001
1.5	1100463-001
2.0	1100464-001
2.3	1100465-001
3.0	1100466-001
3.5	1100483-001
4.0	1100467-001
4.5	1100484-001
5.0	1100476-001
6.0	1100468-001
7.0	1100477-001

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		PN	• 95 MM
0=	COARSE DIAMOND	0-	EXTRA COARSE DIAMOND
	Sterile – 1 pce / box		Sterile – 1 pce / box
ømm	Single use	ø mm	Single use
3.1	1100325-001	3.8	1100444-001
4.0	1100326-001	4.7	1100445-001
5.0 6.0	1100327-001 1100328-001	6.0	1100490-001
			• 125 MM
0-	COARSE DIAMOND Sterile – 1 pce / box	0-	EXTRA COARSE DIAMOND Sterile – 1 pce / box
ø mm	Single use	ø mm	Single use
3.1	1100313-001	3.8	1100316-001
4.0	1100314-001	4.7	1100317-001
5.0	1100315-001	6.0	1100491-001



**Bien** Air

**OSSEO**STAP

# **OSSEO**STAP BURS



#### **OSSEO**STAP CARBIDE BURS

	1 pce / box sterile	Color coding	
ø mm			
0.5	1501222-001	Violet	
0.6	1501223-001	Blue	
0.7	1501224-001	Green	-
0.8	1501225-001	Yellow	-
1.0	1501226-001	Orange	-
1.4	1501227-001	Grey	
1.8	1501228-001	Brown	
2.3	1501229-001	Red	-

#### **OSSEO**STAP DIAMOND BURS

	1 pce / box sterile	Color	
ø mm			
0.6	1501230-001	Blue	
0.7	1501231-001	Green	
0.8	1501232-001	Yellow	-
1.0	1501233-001	Orange	
1.2	1501428-001	Black	-
1.4	1501234-001	Grey	
1.8	1501235-001	Brown	-
2.3	1501236-001	Red	-

#### **OSSEO**STAP STAINLESS STEEL PERFORATOR

	1 pce / box sterile	Color	
ø mm			
0.35	1501240-001	Black	

Set comprising 6 sterile burs, various diameters: - 2 carbide burs - 3 diamond burs - 1 perforator 1700332-001



Sterilization bur color coding table 5 pces / box 1304358-005

# **INTRA** BURS

### STAINLESS STEEL

			1.		
	Non sterile – 1 pce / box	Sterile – 5 pce / box		Non sterile – 1 pce / box	Sterile – 5 pce / box
ømm	Reusable	Single-use	ø mm	Reusable	Single-use
0.6	1100059-001	1100168-005	0.5	1100014-001	1100152-005
0.8	1100060-001	1100169-005	0.8	1100015-001	1100153-005
1.0	1100061-001	1100170-005	1.0	1100016-001	1100154-005
1.4	1100062-001	1100171-005	1.4	1100017-001	1100155-005
1.8	1100063-001	1100172-005	1.8	1100018-001	1100156-005
2.3	1100064-001	1100173-005	2.3	1100019-001	1100157-005
2.7	1100065-001	1100174-005	2.7	1100020-001	1100158-005
3.1	1100066-001	1100175-005	3.1	1100021-001	1100159-005
3.5	1100067-001	1100176-005	3.5	1100022-001	1100160-005
4.0	1100068-001	1100177-005	4.0	1100023-001	1100161-005
4.5	1100069-001	1100178-005	4.5	1100024-001	1100162-005
5.0	1100070-001	1100179-005	5.0	1100025-001	1100163-005
6.0	1100071-001	1100180-005	6.0	1100026-001	1100164-005
7.0	1100072-001	1100181-005	7.0	1100027-001	1100165-005

0

<b>0</b> =	DIAMOND	
	Non sterile – 1 pce / box	Sterile – 5 pce / box
ømm	Reusable	Single-use
0.6	1100000-001	1100138-005
0.8	1100001-001	1100139-005
1.0	1100002-001	1100140-005
1.4	1100003-001	1100141-005
1.8	1100004-001	1100142-005
2.3	1100005-001	1100143-005
2.7	1100006-001	1100144-005
3.1	1100007-001	1100145-005
3.5	1100008-001	1100146-005
4.0	1100009-001	1100147-005
4.5	1100010-001	1100148-005
5.0	1100011-001	1100149-005
6.0	1100012-001	1100150-005

7.0 1100013-001 1100151-005



70 MM

### CARBIDE

### COARSE DIAMOND CROSSCUT

Non sterile – 1 pce / box

	Non sterile – 1 pce / box
ø mm	Reusable
2.3	1100232-001
2.7	1100233-001
3.1	1100234-001
3.5	1100235-001
4.0	1100236-001
4.5	1100237-001
5.0	1100238-001
6.0	1100239-001
7.0	1100240-001



	Non sterile – 1 pce / box
ø mm	Reusable
1.4	1100226-001
2.3	1100227-001
3.1	1100228-001
4.0	1100229-001
5.0	1100230-001
6.0	1100231-001





Non sterile – 1 pce / box

1.0

ømm Reusable 1100184-001

## **SHAVER** BLADES





Double serrated



- -



Convex







	Double serrated	Single serrated	Smooth
Ømm	5 pces / box	5 pces / box	5 pces / box
3.0	1600538-005	1600541-005	1600544-005
3.5	1600539-005	1600542-005	1600545-005
4.0	1600540-005	1600543-005	1600546-005

Usable length 110 mm

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	Concave	Convex
Ømm	5 pces / box	5 pces / box
4.0	1600570-005	1600571-005

Usable length 110 mm



60° - SINGLE USE CURVED SHAVER BLADES - DOUBLE SERRATED

	Concave	Convex
Ømm	5 pces / box	5 pces / box
3.0	1600573-005	-
4.0	1600574-005	1600575-005

Usable length 110 mm



#### REUSABLE STRAIGHT SHAVER BLADES

	Double serrated	
Ømm	1 pce / box	
3.0	1600579-001	
3.5	1600580-001	
4.0	1600581-001	

Usable length 100 mm – Can be dismantled for optimal cleaning



#### 15°- SINGLE USE CURVED SHAVER BLADES - DOUBLE SERRATED 40° - SINGLE USE CURVED SHAVER BLADES - DOUBLE SERRATED

	Concave	Convex
Ømm	5 pces / box	5 pces / box
3.0	1600548-005	-
4.0	1600550-005	1600559-005

Usable length 110 mm



90° - SINGLE USE CURVED SHAVER BLADES – DOUBLE SERRATED

	Concave	Convex
Ømm	3 pcs/box	-
4.0	1600721-003	-

Usable length 120 mm

# **SHAVER** BURS





Usable length 120 mm

	0011041/0	OOHVOA		
Ømm	3 pcs/box	-		
4.0	1600722-003	-		
Usable ler	ngth 120 mm			
_	LARYNGEAL SHAVER E	BLADES		
	SINGLE USE LARYNGEA	L SHAVER BLADE		
	Concave w	Concave window orientation		
	External ti	External tube: Ø 3.5 mm		
	1 p	ce / box		
	Usable length 22	20 mm: 1600568-001		
	Usable length 27	70 mm: 1600569-001		

120° - SINGLE USE CURVED SHAVER BLADES – DOUBLE SERRATED

Concave Convex

Usable length 130 mm



