



***Orthopaedic Cannulated Power Drill***

***Orthopaedic Cannulated Micro Power Drill***

***Orthopaedic Power Saw***

***Orthopaedic Micro Power Saw***

***Orthopaedic Plaster Saw***



***Orthopaedic Power Saw AOPS1511***  
***Orthopaedic Micro Power Saw AOMPS300***

***Used in Arthroplasties, Osteotomies of joints & bones***



## ***Orthopaedic Cannulated Power Drill AOPD2511***

## ***Orthopaedic Cannulated Micro Power Drill AOMPD2011***

***Holds & drives K-wires, also used in arthroplasty, trauma surgery, intramedullary interlocking nail surgery and arthroscopic surgery***

## >> *Features*

**01**

*Variable speed, convenient for use*

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**02**

*Imported motor*

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**03**

*High coaxiality, low noise*

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**04**

*Can be autoclavable up to 135°C*

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## >> Compositions

### Orthopaedic Power Saw

- One handpiece
- Two battery aseptic transfer rings
- One charger
- Two batteries
- One Aluminum case



### Orthopaedic Cannulated Power Drill

- One handpiece
- One charger
- Two batteries
- Two battery aseptic transfer rings
- One drill chuck key
- One Aluminum case



### Orthopaedic Micro Power Saw

*One handpiece*

*One charger*

*Two lithium batteries*

*Two battery aseptic transfer rings*

*Five mini saw blades*

*One instruction manual*

*One aluminum case*



### Orthopaedic Cannulated Micro Power Drill

- One handpiece
- One charger
- Two lithium batteries
- Two battery aseptic transfer rings
- One drill chuck key
- One instruction manual
- One aluminum case



## >> Main Technical Data

	<i>Orthopaedic Cannulated Power Drill</i>	<i>Orthopaedic Cannulated Micro Power Drill</i>	<i>Orthopaedic Power Saw</i>	<i>Orthopaedic Micro Power Saw</i>
Output Power	150W	100W	150W	100W
Unit rise in temperature	≤25°C	≤25°C	≤25°C	≤25°C
Input Voltage	AC 110-220v, 50-60Hz	AC 100-220v, 50-60Hz	AC 110-220v, 50-60Hz	AC 100-220v, 50-60Hz
Voltage	14.4V	7.4V	14.4V	7.4V
Battery capacity	1800mAh	3000mAh	1800mAh	3000mAh
Battery feature	Environmental friendly nickel-metal hydride battery	Lithium battery	Environmental friendly nickel-metal hydride battery	Lithium battery
Charging time	2 hours	2,5 hours	2 hours	2,5 hours
Non-loading speed	0-680/0-1000rpm	0-1200rpm	0-18000cpm	0-18000rpm
Non-loading noise	≤65dB ( A )	≤65dB ( A )	≤65dB ( A )	≤65dB ( A )
Axial run out	≤0.15mm	≤0.15mm		
Rated torque	5.5N.m/4N.m	2N.m		
Impulsive torque	10.5N.m/8.5N.m	3,5N.m		
Drill chuck clamping range	0.8-7.9mm	-		
Canulated diameter	≤4.2mm	≤2,5mm		

## >> Cannulated Power Drill *Product Details*



### >> Accessories

*Drill Chuck Key*



*Charger*



*Battery of 14. 4v*



*Aseptic Battery Transfer Ring*



## >> Power Saw Product Details



### >> Accessories

*Charger*



*Battery of 14. 4v*



*Aseptic Battery Transfer Ring*



**>> Aluminium case packing**



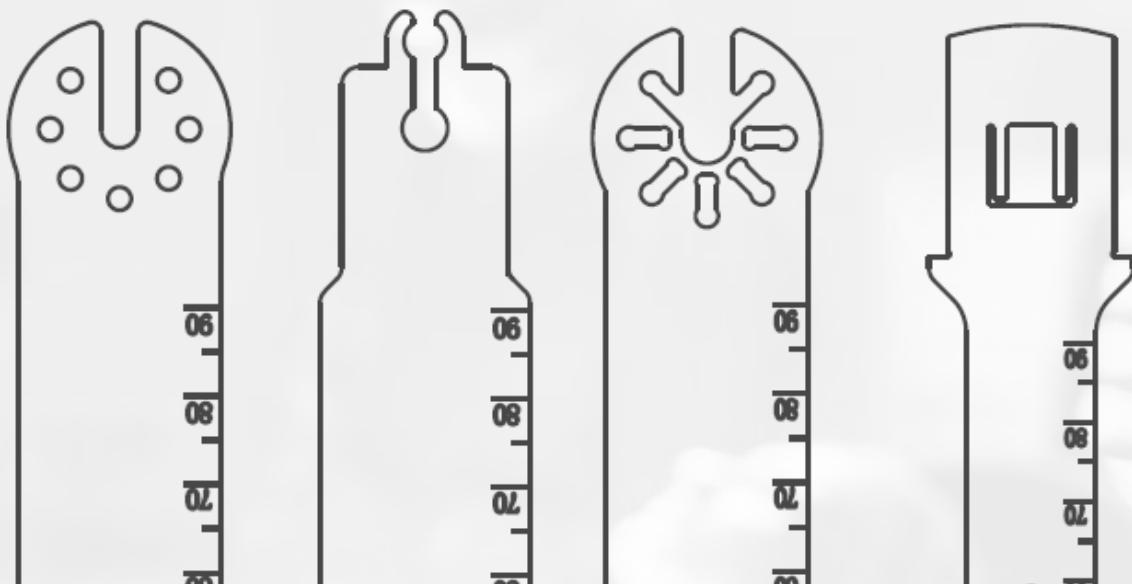
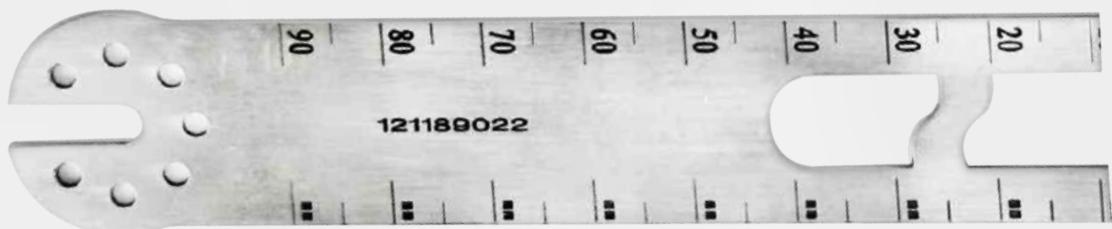
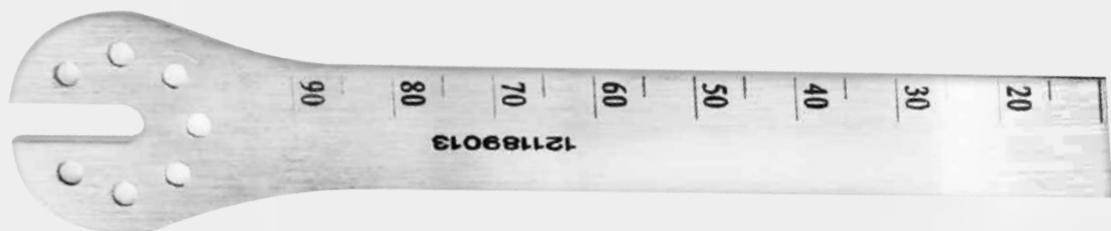
**>> Sterilization case choice with additional cost**





## ***Basic steps of sterilization, cleaning and maintenance of power tools ;***

- 1. Disassembly:** All the consumable parts (saw blades, drill bits, etc) and battery should be removed before cleaning,
- 2. Cleaning:** Please wash and rinse with slow flowing water. Note: use soft brush to clean, then wipe with soft dry cloth. All instruments are prohibited from soak cleaning,
- 3. Maintenance:** Maintain by medical lubricant every time when cleaning and wiping instruments. Apply lubricant on every mobilizable part,
- 4. Assembly and functional test:** After cleaning and applying lubricants, install all parts one by one and conduct function test and then check its intactness,
- 5. Sterilization:** Fore-vacuum high temperature for 132 centigrade and high pressure within 20 minutes; natural cooling time is more than 40 minutes. Exoxyethane and formaldehyde are prohibited. Instruments must be kept dry before sterilization.



## SAW BLADES

*For application in Aysam power saws*

## >> Aysam Saw Blades

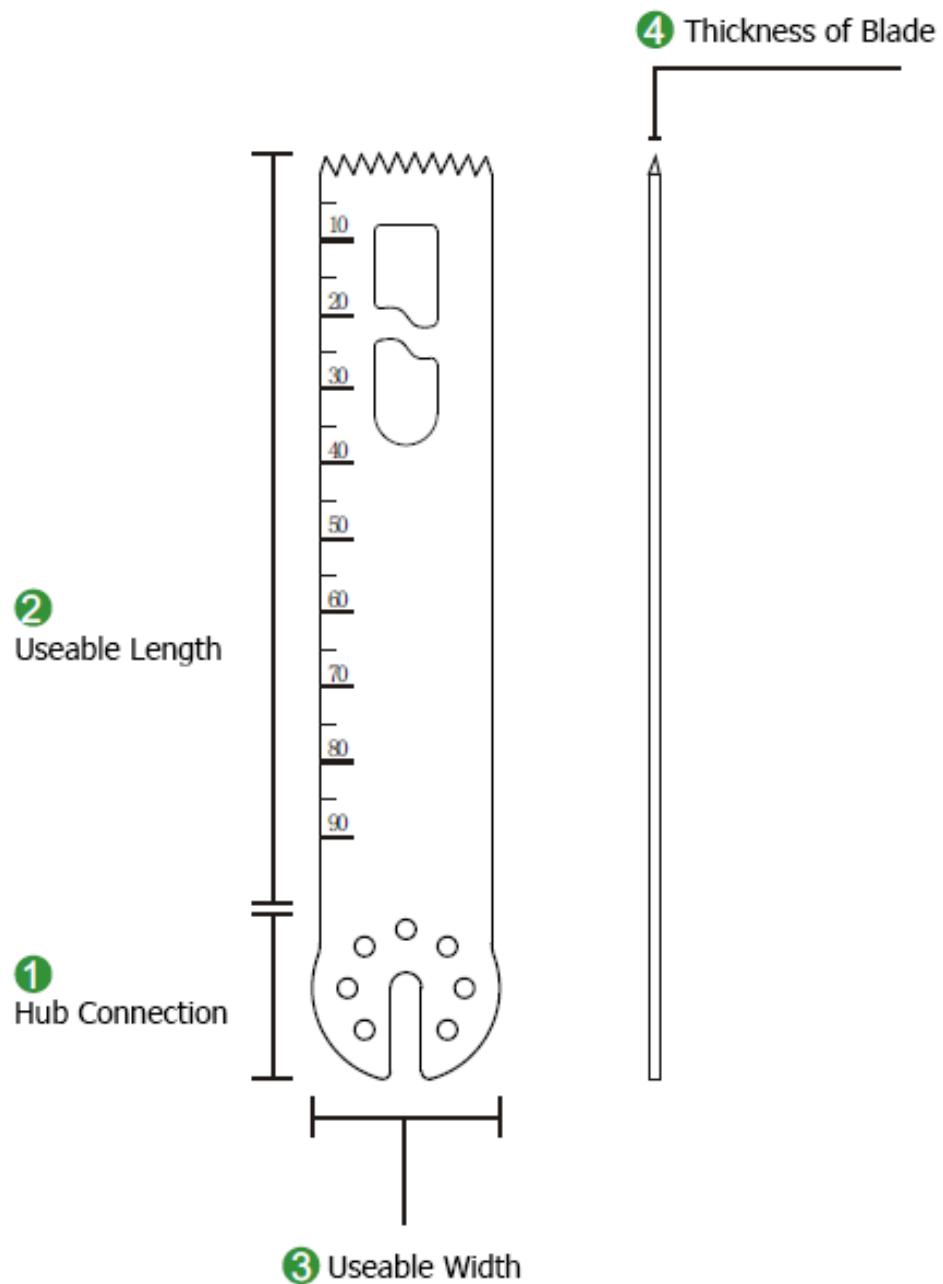
Aysam provides all kinds of replaceable accessories, suitable for Aysam power instrument systems. Aysam is a professional enterprise that manufactures orthopaedic saw blades with high quality stainless steel materials.

Aysam products are well received by customers from more than 85 countries.



Saw blades with non sterile package





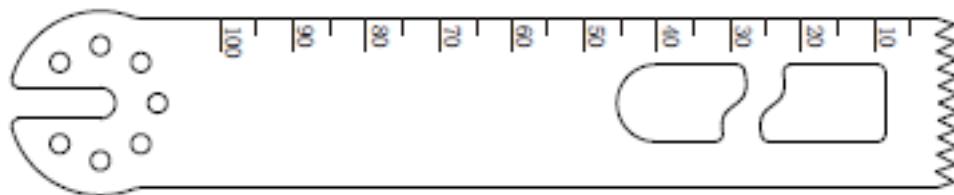
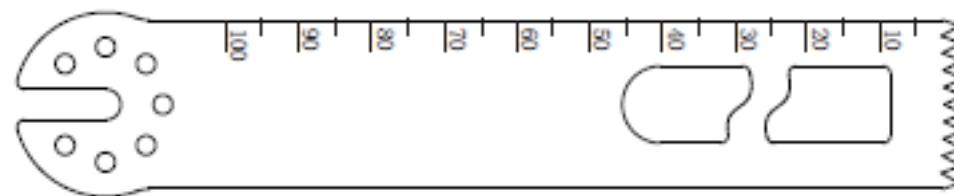
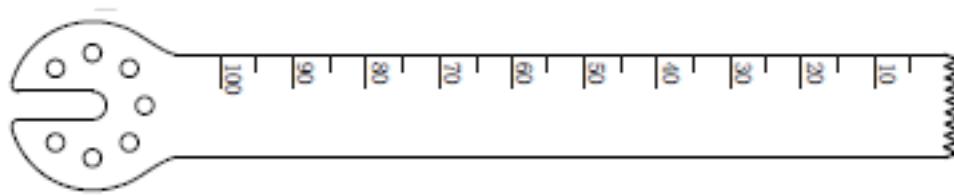
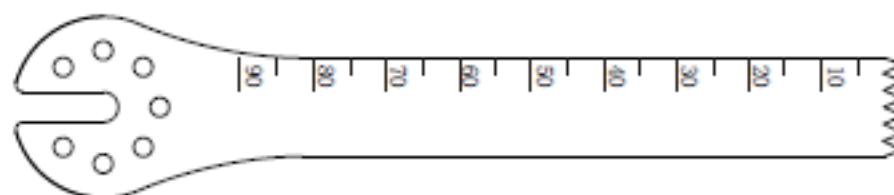
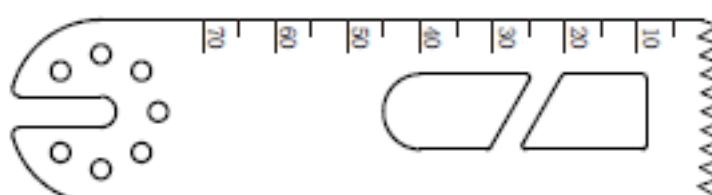
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**1** **2** **3** **4**

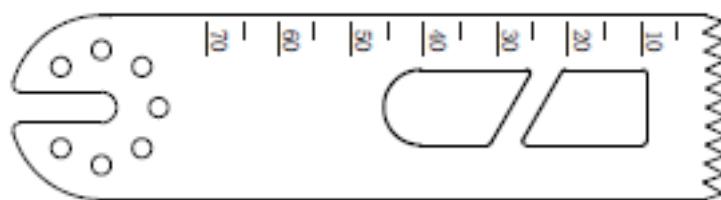


***Aysam Large Oscillating Saw Blade***



***Aysam Micro Oscillating Saw Blade***

Product Code  
AY1002212Length  
100 mmWidth  
22 mmThickness  
1.2 mmProduct Code  
AY1002210Length  
100 mmWidth  
22 mmThickness  
1.0 mmProduct Code  
AY1001310Length  
100 mmWidth  
13 mmThickness  
1.0 mmProduct Code  
AY901310Length  
90 mmWidth  
13 mmThickness  
1.0 mmProduct Code  
AY702410Length  
70 mmWidth  
24 mmThickness  
1.0 mm

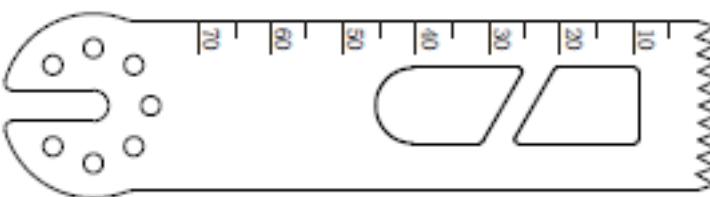


Product Code  
AY702412

Length  
70 mm

Width  
24 mm

Thickness  
1.2 mm

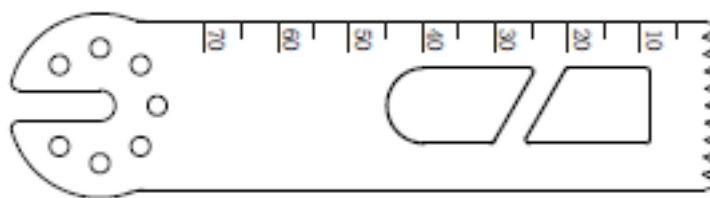


Product Code  
AY7022127

Length  
70 mm

Width  
22 mm

Thickness  
1.27 mm

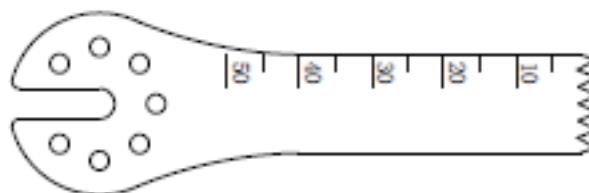


Product Code  
AY702208

Length  
70 mm

Width  
22 mm

Thickness  
0.8 mm

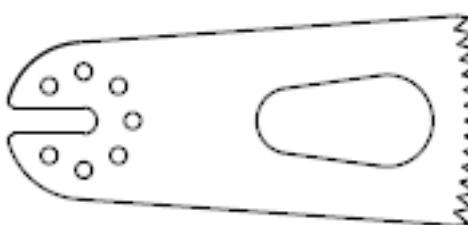


Product Code  
AY501308

Length  
50 mm

Width  
13 mm

Thickness  
0.8 mm

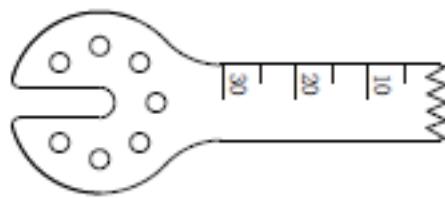


Product Code  
AY453212

Length  
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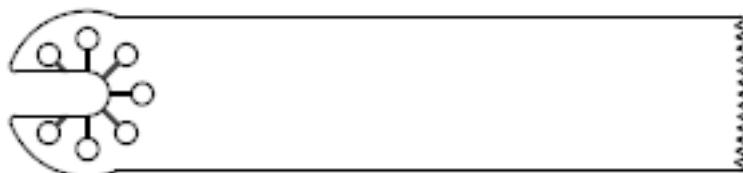
Width  
32 mm

Thickness  
1.2 mm


**Product Code**  
AY301005

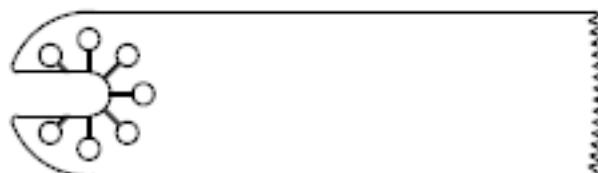
**Length**  
30 mm

**Width**  
10 mm

**Thickness**  
0.5 mm

**Product Code**  
AY501405

**Length**  
50 mm

**Width**  
14 mm

**Thickness**  
0.5 mm

**Product Code**  
AY401505

**Length**  
40 mm

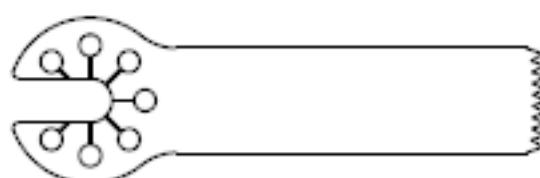
**Width**  
15 mm

**Thickness**  
0.5 mm

**Product Code**  
AY391305

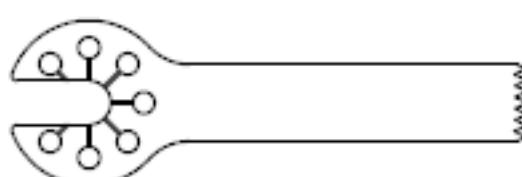
**Length**  
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**Width**  
13 mm

**Thickness**  
0.5 mm

**Product Code**  
AY319505

**Length**  
31 mm

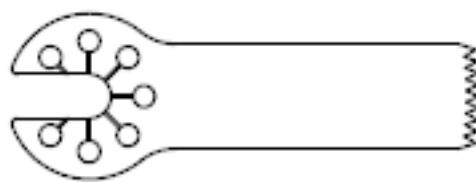
**Width**  
9.5 mm

**Thickness**  
0.5 mm

**Product Code**  
AY2950705

**Length**  
29.5 mm

**Width**  
7 mm

**Thickness**  
0.5 mm

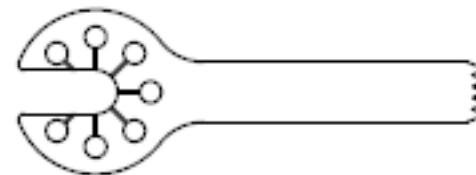


Product Code  
AY259505

Length  
25 mm

Width  
9.5 mm

Thickness  
0.5 mm

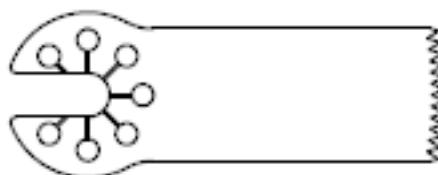


Product Code  
AY255505

Length  
25 mm

Width  
5.5 mm

Thickness  
0.5 mm

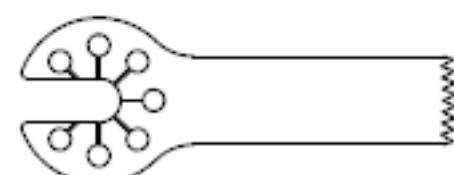


Product Code  
AY221205

Length  
22 mm

Width  
12 mm

Thickness  
0.5 mm

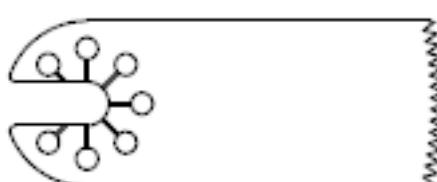


Product Code  
AY220805

Length  
22 mm

Width  
8 mm

Thickness  
0.5 mm



Product Code  
AY221505

Length  
22 mm

Width  
15 mm

Thickness  
0.5 mm



## ***ORTHOPAEDIC PLASTER SAW***

### ***AOPS4042***

***Used for cutting orthopaedic plaster & synthetic casts***

***The medical plaster saw AOPS4042 is designed to cut all kinds of orthopaedic plaster bandages.***

## **Product Pictures >>**



## ***Standard Configuration >>***

***AOPS4042 Plaster Saw***

***Allen Key***

***Round 65mm dia. Blade***

***Round 42mm dia. Blade***

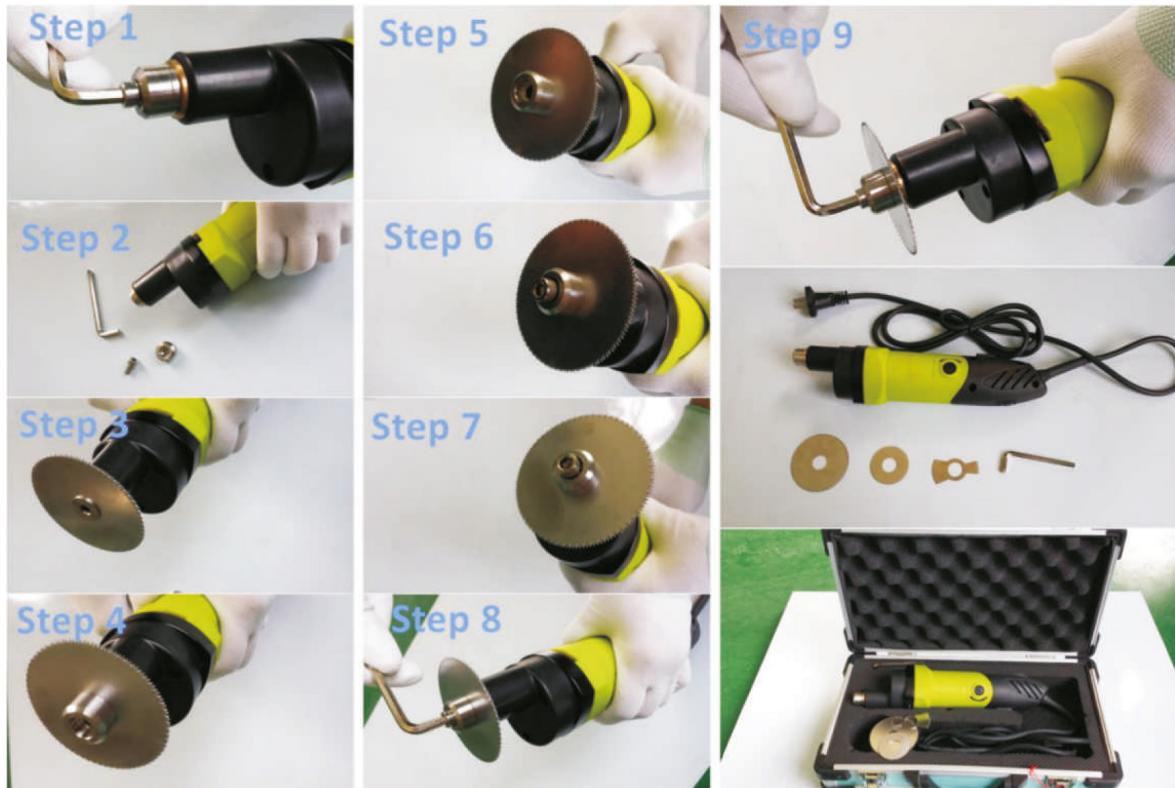
***Universal Plaster Cutting Blade***

***Storage/Carry Case***

## ***Technical Specifications >>***

<b>Saw handpiece</b>	<b>Output voltage</b>	<b>80W</b>
	<b>Unit rise of temperature</b>	<b><math>\leq 25^{\circ}\text{C}</math></b>
	<b>Output Power</b>	<b>AC220V/50Hz or 110V/60HZ</b>
<b>Non-loading speed</b>	<b>0-13000cpm</b>	
<b>Non-loading noise</b>	<b><math>\leq 65\text{dB ( A )}</math></b>	
<b>Classification</b>	<b>Short-time duty</b>	

## *Operating Instructions >>*



- 1. Remove the main unit, allen key and saw blades from the case,**
- 2. Use the allen key to unscrew the blade holder,**
- 3. Once the blade holder is loose remove it from the unit,**
- 4. Place your chosen blade on the drive shaft,**
- 5. Tighten the blade holder back onto the unit,**
- 6. Secure the blade into place using the allen key,**
- 7. The saw is now assembled ready for use. When finished, simply repeat these steps in reverse order.**

## **Safety Instructions >>**

- 1. Before use check the saw for any mechanical damage. Ensure that the saw blade is not blunt, has no broken teeth and is correctly installed,**
- 2. Ensure the air vent of the motor is kept clean and clear from dust to prevent overheating which may cause damage to the motor,**
- 3. During the use do not overexert or apply pressure when the saw blade is moving. If the blade should become lodged in the plaster, switch the unit off and remove slowly,**
- 4. During the use motor will heat up, if the outer shell becomes excessively warm turn the motor off to avoid overheating and allow the motor to cool,**
- 5. Please switch the motor off if any abnormal noise or excess vibration occurs during use,**
- 6. Do not switch the power on and off frequently as this will cause damage to the motor,**
- 7. Clean the saw after use and store in a dry place to avoid corrosion.**

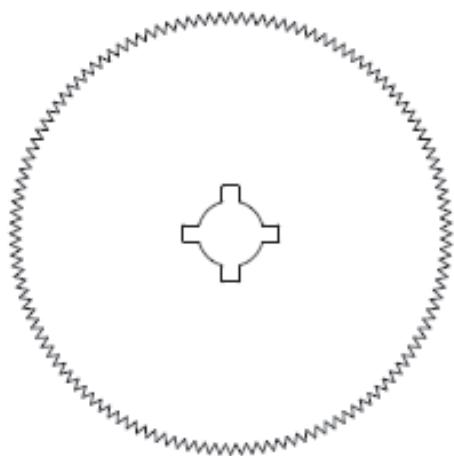
## **Maintenance, Care and Warranty >>**

**Inspect all parts at regular intervals and replace the saw blades as needed.**

**If the motor is functioning correctly but there are problems with other working parts then remove the three screws at the head of the unit and remove the outer shell to clean/apply lubricating oil.**

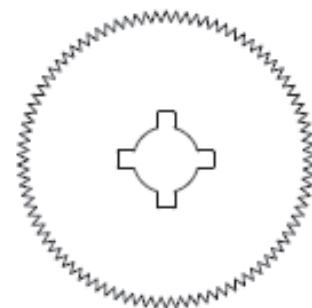
**Warranty: 1 Year**





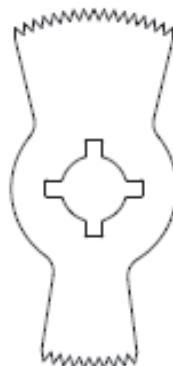
Product Code AY64

SIZE  
64 mm



Product Code AY43

SIZE  
43 mm



Product Code AY52

SIZE  
52 mm

## **>> *Important note***

*This documentation is intended to use exclusively for physicians and is not intended for laypersons. Information on the products and procedures contained in this document is of a general nature and does not represent and does not constitute medical advice or recommendations. Because this information does not purpose to constitute any diagnostic or therapeutic statement with regard to any individual medical case, each patient must be examined and advised individually and this document does not replace the need for such examination and/or advice in whole or in part.*

*The information and illustrations included in this catalogue are correct and true to the best of our knowledge. However, we cannot be regarded as binding warranty for quality. The user is responsible for checking the products prior to use whether they are suited for the intended purpose.*



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