OSTEODRIVE

# OSTEO DRIVE®

## OSCILLATING SAW


edition
2023

Auxein®

# about us

Auxein Medical is an integrated, research based, orthopaedic Implants & instruments manufacturing company, producing a wide range of quality, affordable generic implants, trusted by healthcare professionals and patients across geographies. It is the Company's constant endeavor to provide a wide basket of generic and our innovator products that exceed the highest expectations of customers in term of quality and safety. The company has world-class manufacturing unit established in india and serves customers in over 75 countries worldwide.

## Our Achievements

**Orthopaedic Implants**

**www.auxein.com**

## Oscillating Saw Drill

This handpiece performs function of sawing in longitudinal bone osteotomies and repeat sternotomies.

1. **Blade Locking Collet**- Holds and locks the blade in place.
2. **Rotating Head**- The rotating head gives the surgeon the ability to position the cutting blade for appropriate surgical access. The oscillator handpiece contains an 8 position, 45° indexing head. To position the rotating head, grasp the rotating head, pull it out from the handpiece body, and turn it to the desired position Note: Mode lever is to be in the "safe" position when positioning head.
3. **Blade Locking Knob**- Rotate to the "open" position to insert a blade. Rotate in the opposite direction to lock the blade securely in place.
4. **Activation Trigger**- Used to activate the handpiece. Depress when the mode lever is in the "run" position to operate the handpiece.
5. **Mode Lever**- To operate the handpiece, place in the "run" position. Place in the "safe" position prior to connecting or removing an accessory and during non-use of the handpiece.
6. **Battery Receptacle** - The battery attaches here.
7. **Battery Release Lever**- Depress this lever to remove the battery from the handpiece.


**Features**

- Single handed operation of safety switch.
- Single handed open/lock collet for easy loading of blades.
- 360° adjustable.


- Eight position rotating collet.
- Variable speed control trigger for maximum control.
- Totally sealed to allow use in a washer/sanitizer.
- For Sterilization, 120° over 30 minutes and 135° over 15 minutes.
- Battery cannot be Sterilized.

**A10-01-001** Power Drill for Trauma Hand Piece (without battery)


Weigth of the piece: **673gm**
Reaming Speed: **350rpm**
RPM: **1400rpm**

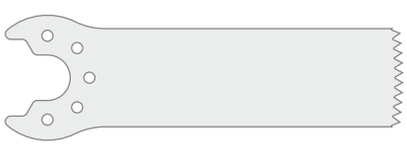
**A10-01-002**
Kirschner Drill Attachments (Ø1.8 - 4.0mm)

**A10-01-003**
Kirschner Drill Attachments (Ø0.7 - 1.6mm)

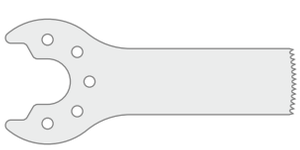
**7-004-01** Sagittal Saw Chuck

## Sagittal Saw Blades

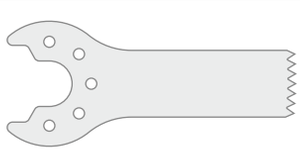
**7-004-04** Coarse, 14x41mm



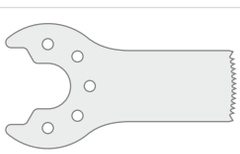
**7-004-05** Fine, 9.5x25.5mm



**7-004-06** Coarse, 9.5x25.5mm



**7-004-07** Fine, 10x18.5mm

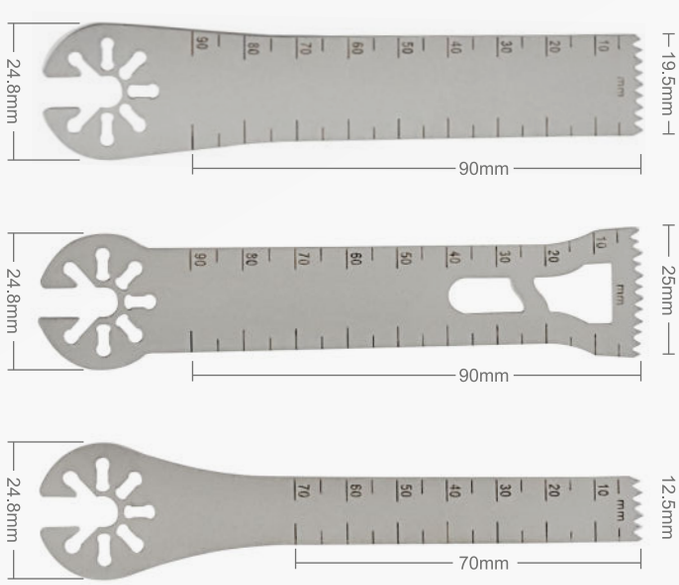


**A10-02-360** Oscillating Saw Drill Hand Piece (without battery)


Weigth of the piece: **930gm**
Cuts Per Minute: **14000cpm**

## Oscillating Saw Blades

| Code | Dimensions | Thickness |
|---|---|---|
| **A10-02-195** | 90 x 24.8 x 19.5mm | 1mm |
| **A10-02-250** | 90 x 24.8 x 25mm | 1mm |
| **A10-02-125** | 70 x 24.8 x 12.5mm | 1mm |
| **3-001-01** | 90 x 24.8 x 19.5mm | 1.2mm |
| **3-001-02** | 90 x 24.8 x 25mm | 1.2mm |
| **3-001-03** | 70 x 24.8 x 12.5mm | 1.2mm |



## Battery & Accessories

**A10-03-001** Charger

**A10-03-002** Charger Conversion

**A10-03-003** Battery

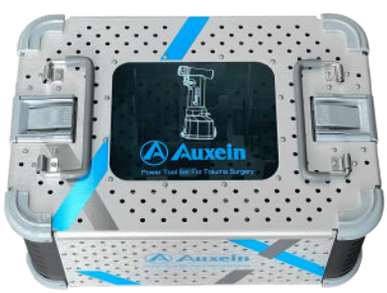
**A10-03-004** Battery Case

**3-002-01** Multiple Charger

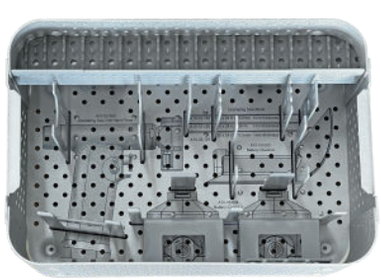
**A10-03-005** Battery Channel

**7-101-01** Tray for Power Tool
Trauma Surgery

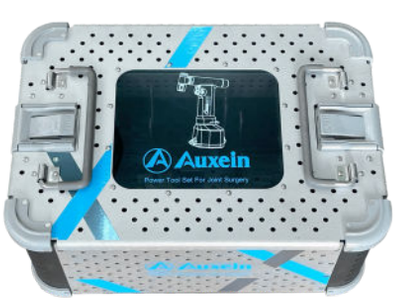
**7-101-02** Container for Power Tool
Trauma Surgery




**7-102-01** Tray for Power Tool Joint Surgery

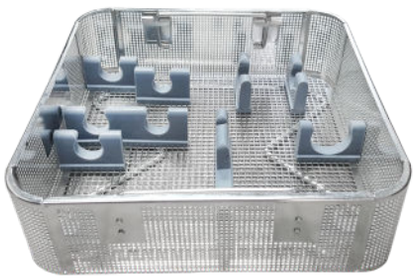


**7-102-02** Container for Power Tool Joint Surgery

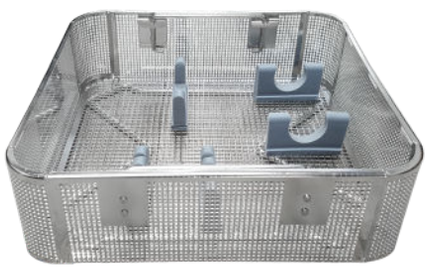


## Optional

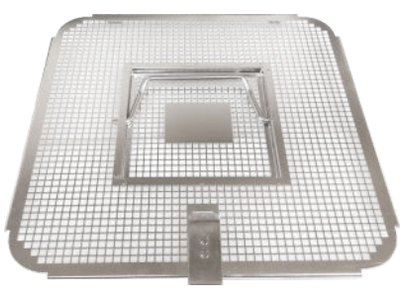
**A10-01-CBT** Cleaning Basket For Trauma



**A10-02-CBS** Cleaning Basket For Saw



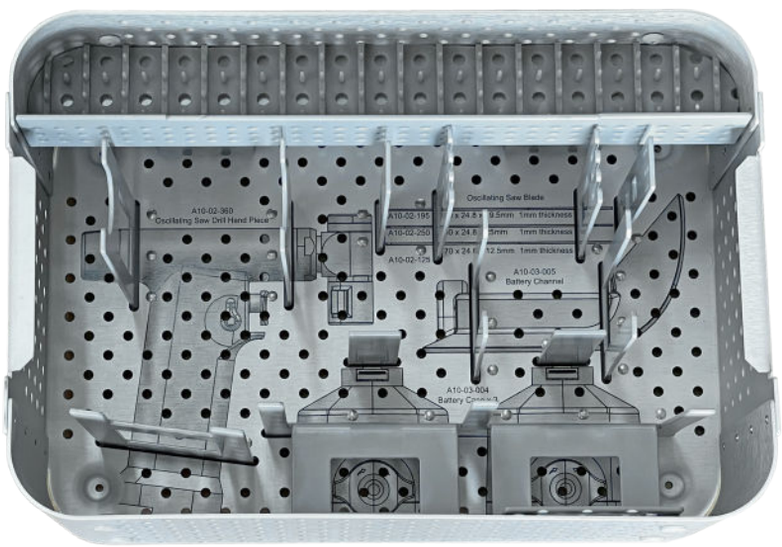
**7-004-02** Lid for Cleaning Basket

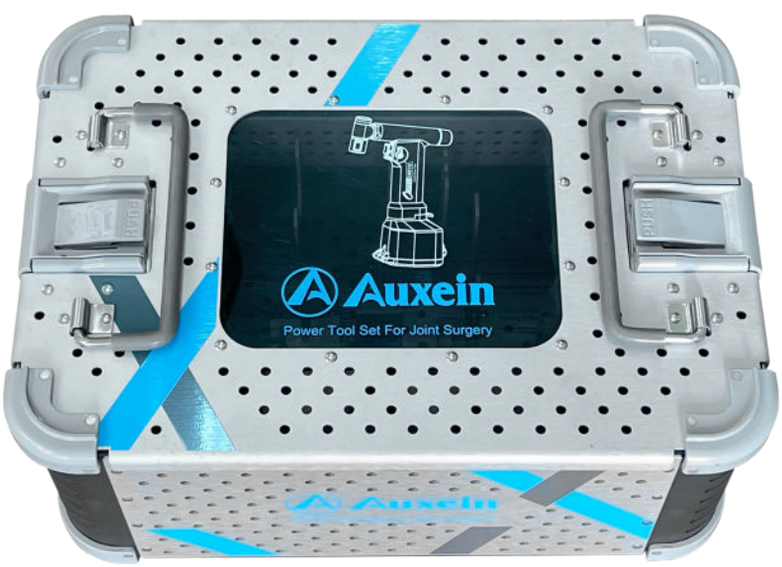


**A10-TB-001** Container For Cleaning Basket
(280 x 280 x 100mm)

Note : optional and on special request by customer)

## 7-102 Power Tool Set for Joint Surgery



## 7-102 Power Tool Set for Joint Surgery

| Code | Set Consisting of | Units |
|---|---|---|
| **A10-02-360** | Oscillating Saw Drill Hand Piece (without battery) | 1 |
| **A10-02-195** | Oscillating Saw Blade, 90 x 24.8 x 19.5mm with Thickness 1mm | 1 |
| **A10-02-250** | Oscillating Saw Blade, 90 x 24.8 x 25mm with Thickness 1mm | 1 |
| **A10-02-125** | Oscillating Saw Blade, 70 x 24.8 x 12.5mm with Thickness 1mm | 1 |
| **A10-03-004** | Battery Case | 2 |
| **A10-03-005** | Battery Channel | 1 |
| **7-102-01** | Tray for Power Tool Joint Surgery | 1 |
| **7-102-02** | Container for Power Tool Joint Surgery | 1 |

### Optional

| Code | Set Consisting of | Units |
|---|---|---|
| **A10-02-CBS** | Cleaning Basket For Saw | 1 |
| **7-004-02** | Lid for Cleaning Basket | 1 |
| **A10-TB-001** | Container For Cleaning Basket (280x280x100mm) | 1 |

# Instruction Manual

## Battery Installation

To attach the battery:

1. Align the contacts on the top of the battery pack with connector on handpiece.
2. Slide the battery pack until it snaps into place.

To remove the battery:

1. Depress the battery release lever and pull the battery from handpiece.


## Connecting and Removing Attachments From Handpiece

To connect an attachment:

1. Place the mode lever in "safe" position.
2. Orient the attachment shaft to the handpiece opening. Insert the shaft and press them until they snap together.

To disconnect an attachment:

1. Place the mode lever in "safe" position.
2. Twist the attachment collet-lock in the direction of the arrow and remove the attachment.


## Connecting and Removing Blades From Oscillator Handpiece

To attach a blade:

1. Place the mode lever in "safe" position.
2. Rotate the blade locking knob in the direction of the arrow to "open" position. The blade locking collet will disengage.
3. Align the blade to the desired angle with the blade locking collet. Insert the blade.
4. Rotate the blade locking knob in the opposite direction of the arrow to securely lock the blade.

WARNING: The blade locking knob must be completely closed to hold the blade firmly in place.


## Preoperative Functional Test

1. Gently pull on the attachment or cutting accessory to ensure it is securely locked or not.
2. Run the handpiece for less than 5 seconds to observe any abnormal noises or vibrations.

## Sterilization Information

### Warnings, Precautions and Notes

1. Sterilization of the equipment is not recommended.
2. Do not sterilize equipment or accessories using Ethylene Oxide (EtO).
3. Do not sterilize equipment or accessories using a STERIS system or by comparable sterilization methods.
4. Do not sterilize equipment or accessories in cold sterilant like CIDEX.
5. Always detach accessories from equipment prior to sterilization.
6. Do not "Peel Pack" handpieces for sterilization. Sterilization in a sealed pouch traps moisture which can cause damage.
7. The suction control valve, if one exists, must be in fully open position during sterilization.
8. Attachments with collet mechanisms must be sterilized with the collet fully open.
9. Do not use equipment while warm. Allow adequate time for cooling prior to use. Cool by exposure to room temperature. Operation of equipment that is not completely cool or dry may decrease performance and/or reliability.
10. When sterilizing equipment and attachment is in system sterilization tray, use the recommended sterilization parameters in its instruction manual.
11. An eight (8) minute minimum dry cycle must be run on all equipment and attachments when the product is sterilized. Failure to use a dry cycle on the products may lead to reduce product performance or premature product failure.

### Sterilization Instructions

Steam sterilization is safe and effective and has no contraindications for sterilizing this equipment.

1. Follow the recommended minimum sterilization exposure times listed below.
2. Use the recommended tray parameters in its instruction manual when sterilizing handpieces and attachments in a system sterilization tray.

Handpieces and attachments may be processed in a pre-vacuum steam sterilizer (Steam Pre-vacuum) or in a gravity (downward) displacement sterilizer (Steam Gravity).

Minimum recommended sterilization exposure times are as follows:

**Sterilization Parameters**

| Method | Cycle | Minimum Temperature | Minimum Exposure | Minimum Dry Cycle |
|---|---|---|---|---|
| Steam | Pre-vacuum | 270°F(132°C) | 4 Minutes | 8 Minutes |
| Steam | Gravity | 250°F(121°C) | 30 Minutes | 8 Minutes |

7-001-1C (Rev No.-04) Effective Date: 24-01-2022

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