

# OSTEODRIVE



**OSTEO DRIVE**®

Power Drill



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**

## INTRODUCTION & PRODUCT SPECIFICATION

### Osteodrive Power Drill For Trauma

This handpiece performs function of reaming, drilling, wire and pin driving.

1. **Attachment Collet-Lock** - Twist to unlock and remove attachments from the handpiece. It is not necessary to twist for insertion of attachment. Simply insert and push attachment to lock in place.
2. **Activation Trigger** - Activate the handpiece. depress when the mode lever is in the "forward" or "reverse" position to operate.
3. **Mode Lever** - To operate the handpiece, place in either the "forward" or "reverse" position. Place in the "safe" position prior to connecting or removing any attachment or accessory and during non-use of the handpiece.



4. **Battery Receptacle** - The battery attaches here.
5. **Battery Release Lever** - Depress this lever to remove the battery from the handpiece.

### Features

- Single handed operation of safety switch.
- Quick-connect attachments for changing accessories quickly.
- Variable speed control trigger for maximum control.
- Multiple battery pack options for various procedures.
- Single handed operation of Forward/Reverse mode switch.
- Totally sealed to allow use in a washer/sanitizer.
- For Sterilization, 120° over 30 minutes and 135° over 15 minutes.
- Battery cannot be Sterilized.



**Drill/Ream Mode**

This mode is suitable for all rotating attachments:

- Drill attachments
- Ream attachments
- Screw attachment
- DHS/DCS quick coupling
- Krischner wire attachment
- Torque limiter

The attachments are described in detail from page 10 to 13 onwards.

The rotating attachments are most effective in the DRILL/REAM mode. They are much slower and less efficient in the SAW mode. When using the rotating attachments in SAW mode, no reverse mode is available.

**Working in DRILL/REAM mode**

The Mode Lever gradually controls the forward speed and with an option to reverse. When activation trigger is released the tool immediately stops.

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



Weight 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)



## Battery & Accessories

**A10-03-001** Charger



**A10-03-002** Charger Conversion



**A10-03-003** Battery



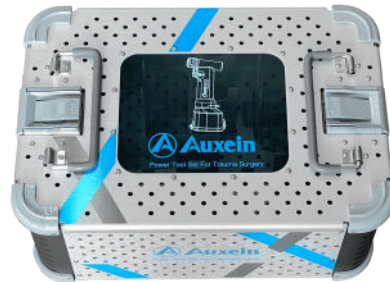
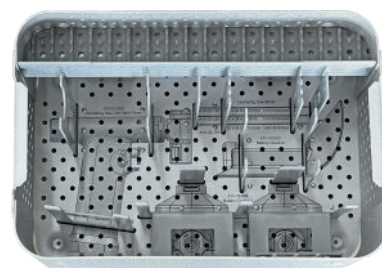
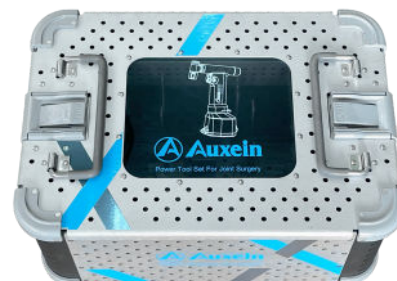
**A10-03-004** Battery Case

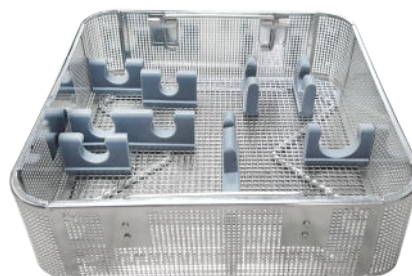
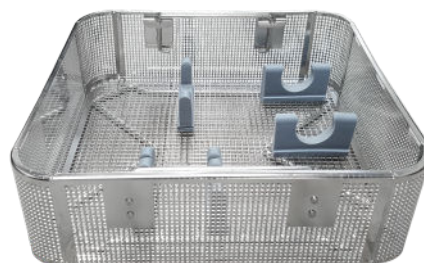
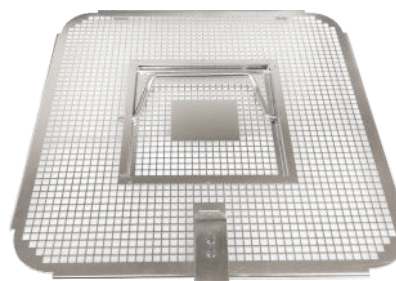


**3-002-01** Multiple Charger





**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)

**1:1 Multipurpose Attachments**

**A10-04-002** 4.0mm Drill Chuck Key



**A10-04-004** 8.0mm Drill Chuck Key



**3-003-01** Key for 10.0mm chuck



**A10-04-001** 4.0mm Drill Chuck



**A10-04-003** 8.0mm Drill Chuck



**A10-04-005** 4.0mm Self-Locking Drill Chuck



**A10-04-006** 8.0mm Self-Locking Drill Chuck



**1:1 Quick Connect Drill Attachments**

**A10-05-001** AO/Trinkle



**A10-05-006** Mini AO



**A10-05-002** Small AO



**A10-05-004** Large AO



**A10-05-003** Zimmer / Hudson



### 3:1 Reamer Attachments

**A10-06-001** High Torque Chuck (Max Dia. 8.0mm)



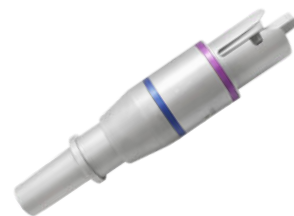
**A10-06-002** Zimmer / Hudson



**A10-06-004** Large AO Reamer



**A10-06-006** DHS Reamer



**A10-06-007** Trinkle Reamer



### 5:1 Reamer Attachments

**A10-07-001** High Torque Chuck (Max Dia. 10.0mm)



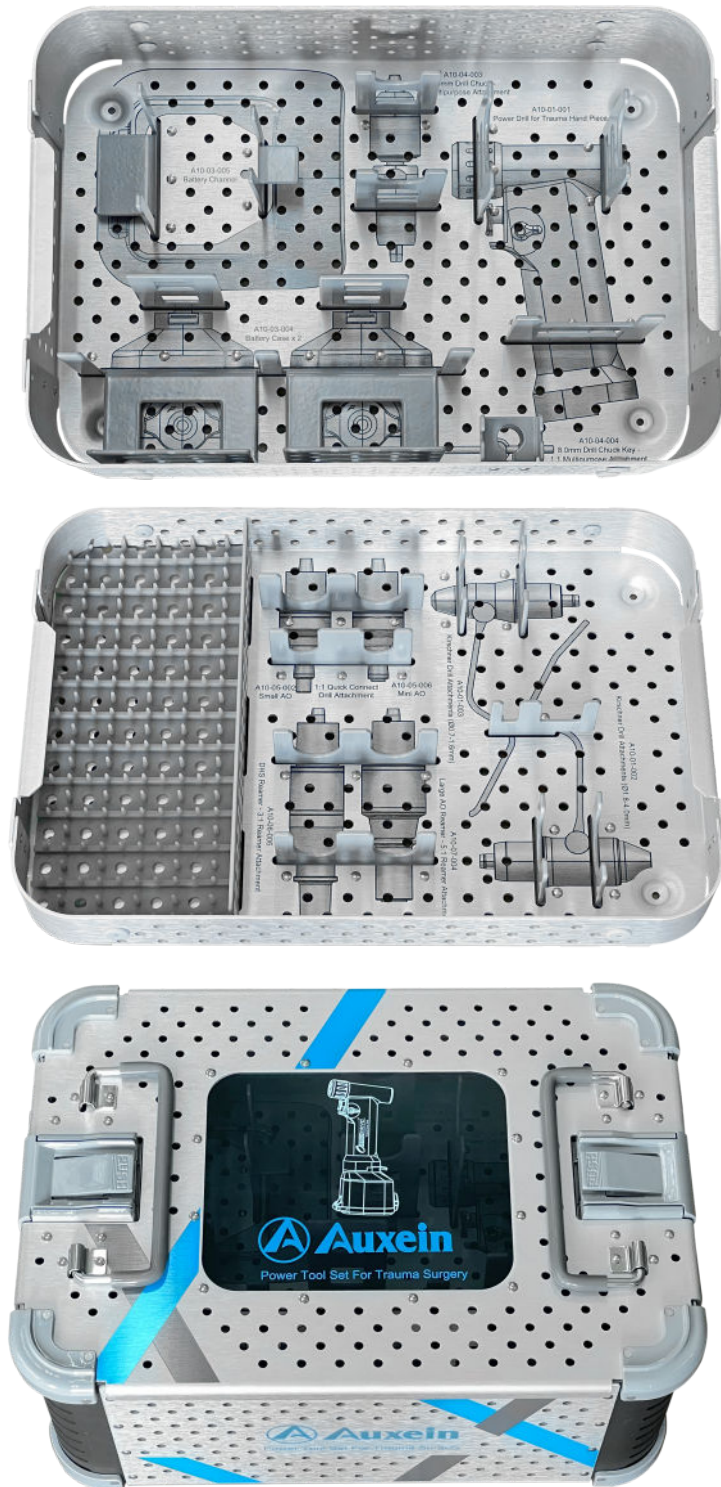
**A10-07-002** Zimmer / Hudson



**A10-07-004** Large AO Reamer



7-101 Power Tool Set for Trauma Surgery





**7-101 Power Tool Set for Trauma Surgery**

Code	Set Consisting of	Units
<b>A10-01-001</b>	Power Drill for Trauma Hand Piece (without battery)	1
<b>A10-01-002</b>	Kirschner Drill Attachments (Ø1.8 - 4.0mm)	1
<b>A10-01-003</b>	Kirschner Drill Attachments (Ø0.7 - 1.6mm)	1
<b>A10-03-004</b>	Battery Case	2
<b>A10-03-005</b>	Battery Channel	1
<b>A10-04-004</b>	8.0mm Drill Chuck Key - 1:1 Multipurpose Attachment	1
<b>A10-04-003</b>	8.0mm Drill Chuck - 1:1 Multipurpose Attachment	1
<b>A10-05-006</b>	Mini AO - 1:1 Quick Connect Drill Attachment	1
<b>A10-05-002</b>	Small AO - 1:1 Quick Connect Drill Attachment	1
<b>A10-06-006</b>	DHS Reamer - 3:1 Reamer Attachment	1
<b>A10-07-004</b>	Large AO Reamer - 5:1 Reamer Attachment	1
<b>7-101-01</b>	Tray for Power Tool Trauma Surgery	2
<b>7-101-02</b>	Container for Power Tool Trauma Surgery	1

**Optional**

Code	Set Consisting of	Units
<b>A10-01-CBT</b>	Cleaning Basket For Trauma	1
<b>7-004-02</b>	Lid for Cleaning Basket	1
<b>A10-TB-001</b>	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





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