

OSTEODRIVE



SURGICAL POWER TOOLS



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.

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)



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)



7-004-01 Sagittal Saw Chuck

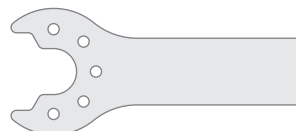


Sagittal Saw Blades

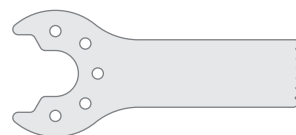
7-004-04 Coarse, 14x41mm



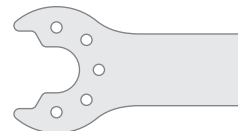
7-004-05 Fine, 9.5x25.5mm



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



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

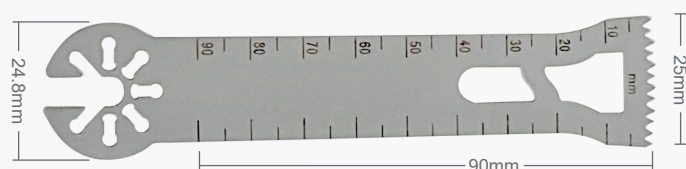


A10-02-360 Oscillating Saw Drill Hand Piece
(without battery)


Weight 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 NI-MH Battery AA 1.2V



A10-03-004 Battery Case



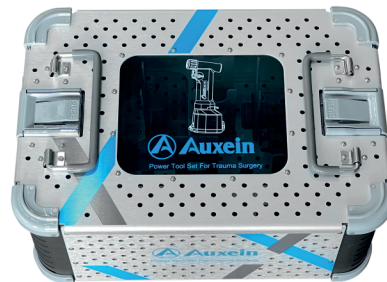
A10-03-005 Battery Channel



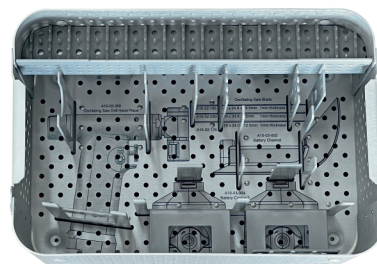
7-101-01 Tray for Power Tool Trauma Surgery



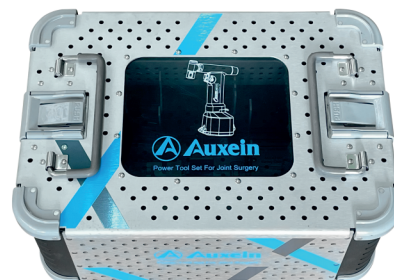
7-101-02 Container for Power Tool Trauma Surgery



7-102-01 Tray for Power Tool Joint Surgery

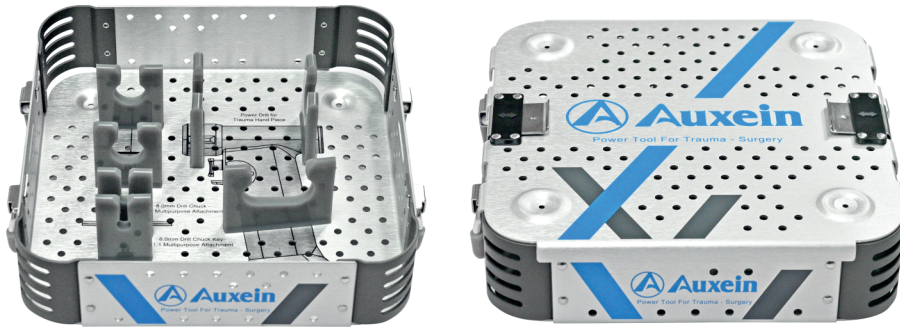


7-102-02 Container for Power Tool Joint Surgery

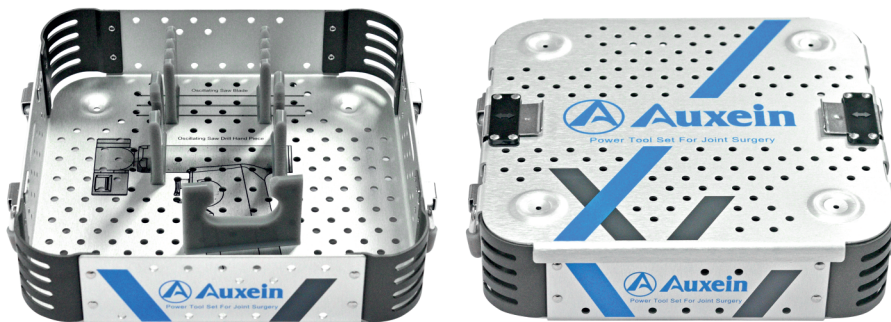


Optional

A10-01-CBTN Container with Lid For Trauma



A10-02-CBSN Container with Lid For Saw



A10-TB-001 Container For Cleaning Basket (280x280x100mm)



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

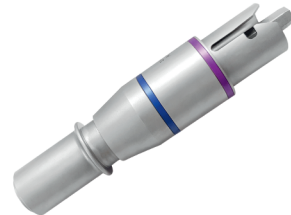
A10-06-001 High Torque Chuck (Max Dia. 8.0mm)



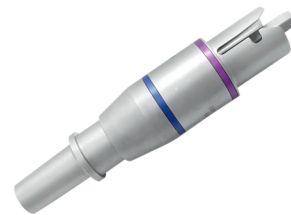
A10-06-002 Zimmer / Hudson



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)



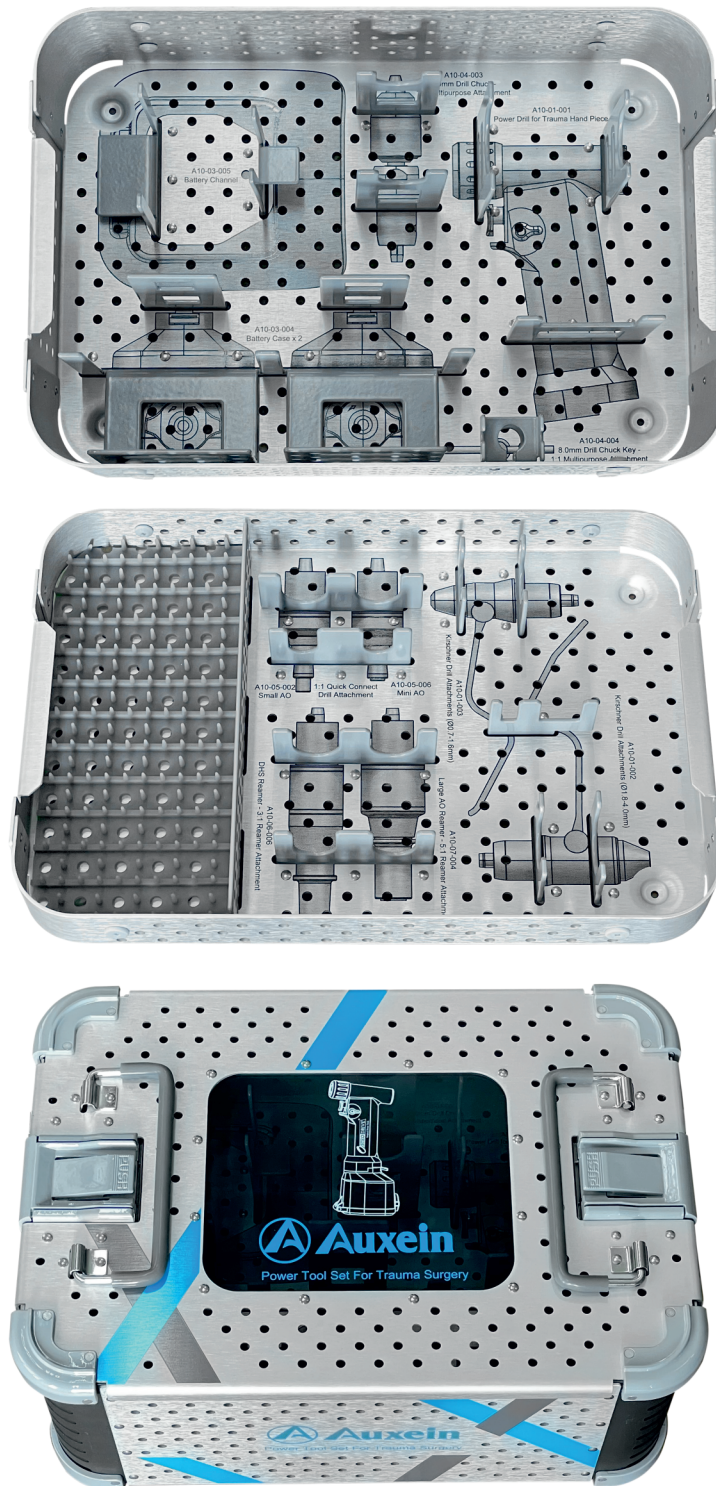
A10-07-002 Zimmer / Hudson



A10-07-004 Large AO Reamer



7-101 Power Tool Set for Trauma Surgery



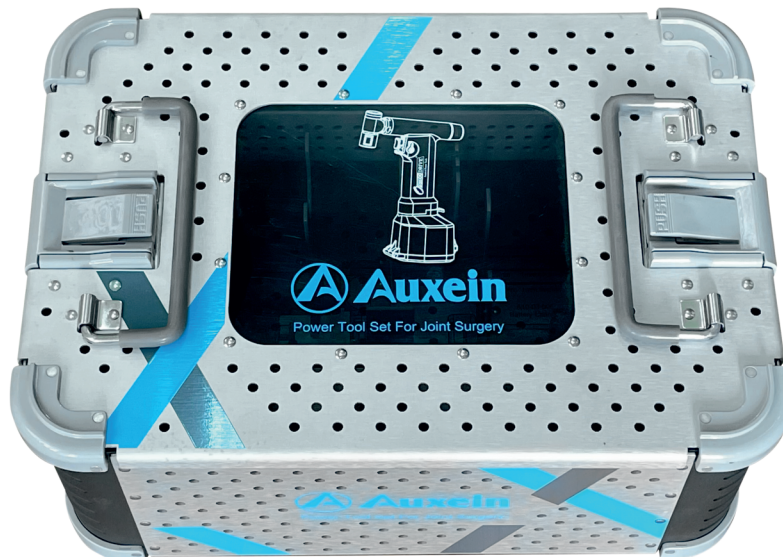
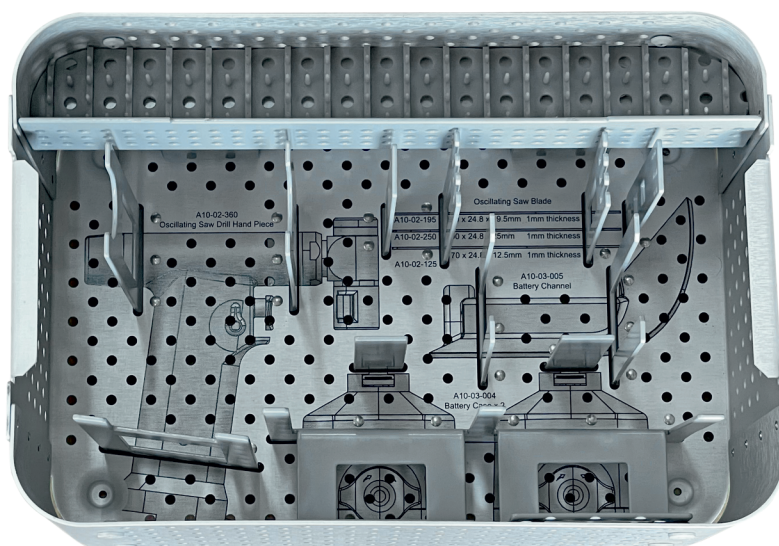
7-101 Power Tool Set for Trauma Surgery

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

Optional

Code	Set Consisting of	Units
A10-01-CBTN	Container with Lid For Trauma	1
A10-TB-001	Container For Cleaning Basket (280x280x100mm)	1

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-CBSN	Container with Lid For Saw	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



USA

Auxein Inc.
1500 Nw 89th Court, Suite 107-108
Doral, Florida 33172
Tel: +1 305 395 6062
E Fax: +1 305 395 6262
Email: USoffice@auxein.com

MEXICO

Auxein México, S.A. de C.V.
Tepic 139 int 801, Colonia Roma Sur,
Alcaldía Cuauhtémoc, CDMX,
México, C.P. 06760
Tel: +521 55 7261 0318
Email: info@auxein.mx

INDIA

Auxein Medical Pvt. Ltd.
Plot No. 168-169-170, Phase-4,
Kundli Industrial Area,
HSIIDC, Sector-57, Sonapat - 131028, Haryana
Tel: +91 99106 43638 | Fax: +91 86077 70197
Email: info@auxein.com