

X Series™ Power System



GENERAL INFORMATION

Year of Commercialization: 2020

Identification: CE0124

Class I and Class IIa devices

Intended Use

The intended use of the X Series Power System is for cutting, shaping, and preparing bone and bone-related tissues in a variety of surgical procedures. The system is usable for performing numerous operations such as sawing, reaming and drilling as well as driving wires, pins and various instruments.

PRODUCT CHARACTERISTICS

Double Trigger Handpiece

Type: Double Trigger Handpiece

Max. drill speed: 1'500 rpm

Max. saw speed: 12'500 cpm

Max. torque: 20 Nm

Mode: Forward/Reverse/Oscillating

Speed Trigger: Variable

Toggle Switch: On/Off

Cannulation: 4.0 mm

Dimensions (HxWxD): 152 x 127 x 52 mm

Weight: 780 g

Material: Aluminum

Compatibility: Battery and AC Power Supply

Single Trigger Handpiece

Type: Single Trigger Handpiece

Max. drill speed: 1'500 rpm

Max. saw speed: 12'500 cpm

Max. torque: 20 Nm

Mode: Forward/Reverse

Speed Trigger: Variable

Toggle Switch: Forward / Off / Reverse

Cannulation: 4.0 mm

Dimensions (HxWxD): 152 x 127 x 52 mm

Weight: 780 g

Material: Aluminum

Compatibility: Battery and AC Power Supply

Drill Attachments

Max. Speed: 1'500 rpm

Max. Torque: 3.8 Nm

Color Code: Blue

Shank Styles: Small AO, Hudson, Trinkle, Zimmer/Hudson, 1/4in Key Hybrid Chuck, 5/32in Key Hybrid Chuck

Material: Stainless Steel

Standard Reamer Attachments

Max. Speed: 600 rpm

Max. Torque: 9.5 Nm

Color Code: Yellow

Shank Styles: AO, Small AO, Hudson, Trinkle, Zimmer/Hudson, Harris, DCS/DHS, 1/4in Key Hybrid Chuck

Material: Stainless Steel

High Torque Reamer Attachments

Max. Speed: 270 rpm

Max. Torque: 20.0 Nm

Color Code: Red

Shank Styles: AO, Hudson, Trinkle, Harris, Zimmer/Hudson, DCS/DHS, 1/4in Key Hybrid Chuck

Material: Stainless Steel

Pin Driver

Max. Speed: 1'500 rpm

Max. Torque: 3.8 Nm

Clamping Range: 2.0 – 4.0 mm

Material: Stainless Steel

Special Feature: No pin diameter adjustment needed

Wire Driver

Max. Speed: 1'500 rpm

Max. Torque: 3.8 Nm

Clamping Range: 0.6 – 2.2 mm

Material: Stainless Steel

Special Feature: No pin diameter adjustment needed

Sagittal Saw Attachment

Max. Speed: 12'500 cpm

Arc of Deflection: 4.5° (+/- 2.25°)

Hub: ZimmerBiomet X Series

Material: Stainless Steel

Special Feature: Single blade can be adjusted +/- 10mm from nominal position within the attachment

PRODUCT CHARACTERISTICS (cont.)

Reciprocating Saw Attachment

Max. Speed: 12'500 cpm

Stroke: 3.8 mm

Hub: ZimmerBiomet

Material: Stainless Steel

Special Feature: Reciprocating Saw attachment can be converted into a Sternum saw by connecting a Sternum Guard (Standard or Large)

Aseptic and Sterilisable Battery

Battery Type: Li-Ion, 14.4 VDC, 2000 mAh

Battery Capacity: 28.8 Wh

Charging type: max. 60min (in average: 40 min)

Special Feature: Equipped with real-time power gauge that indicates remaining battery capacity during the procedure

Battery Charger

Charging Bays: 6

Dimensions (HxWxD): 353 x 278 x 218 mm

Weight: 5.7 Kg

Electrical Requirements: 100–240 V ~ (AC), 50/60 Hz.

Special Feature: Visual indicator for real-time charging status and advanced battery error detection

Consumables

X Series™ Power System are designed for the use with Zimmer Biomet saw blades. The X Series Sagittal Saw Attachment is equipped with a specific hub allow to use single blade that can be adjusted +/-10mm from nominal position within the attachment. Sagittal Saw blades are available in a wide breadth of sizes and tooth configurations. The complete product scope is described in the X Series™ Product Brochure.

CLEANING, DECONTAMINATION AND STERILIZATION

X Series™ handpieces and accessories can be auto-washed with solutions up to 10.8 pH. Multiple washing and sterilization baskets are available that meet both auto-wash and sterilization protocols. The baskets can be used as a standalone basket or paired with a hard-sided case. The handpiece and accessories are to be sterilized using a custom steam sterilization cycle defined in the user manual including 134° Pre-Vacuum Steam Sterilisation with 18 min Steam dwell time and 45 min drying time.

PACKAGING

X Series handpieces and accessories are non-sterile packaged and delivered in a box of 1. X Series saw blades are sterile packaged and delivered in a box of 1.

MATERIAL

All products are free of Latex, phthalates and presence of components of animal origin.

DOCUMENTATION

- User Manual
- Product Brochure (3011.1-GLBL-en-REV0920)
- Sterilization Chart (0464.2-US-en-REV0220)



X Series™ Power System Reference Codes

Handpieces

Double Trigger Handpiece

89-8520-400-00

Single Trigger Handpiece

89-8520-400-10

Sawing Attachments

Sagittal Saw

89-8522-450-60

Reciprocating Saw

89-8522-450-20

Sternum Saw Guard Std

89-8522-440-90

(use with 89-8522-450-20)

Sternum Saw Guard Large

89-8522-440-95

(use with 89-8522-450-20)



Rotary Attachments	High Torque Reamer	Std. Torque Reamer	Drill
AO	89-8522-270-10	89-8522-600-10	
Small AO		89-8522-600-20	89-8522-150-20
Harris	89-8522-270-30	89-8522-600-30	
Hudson	89-8522-270-40	89-8522-600-40	89-8522-150-40
Trinkle	89-8522-270-50	89-8522-600-50	89-8522-150-50
DHS/DCS	89-8522-270-60	89-8522-600-60	
Zimmer/Hudson	89-8522-270-80	89-8522-600-80	89-8522-150-80
1/4in Hybrid Chuck with Key (0.5 – 6.35 mm)	89-8522-270-90	89-8522-600-90	89-8522-150-90
5/32in Hybrid Chuck with Key (0.5 – 4.0 mm)			89-8522-150-95

Pin and Wire Driver

Pin Driver 2.0 – 4.0 mm

89-8522-451-42

Wire Driver 0.6 – 2.2 mm

89-8522-451-43



X Series™ Power System Reference Codes

Power Source - Aseptic Battery Option

Charger for Aseptic Battery

89-8521-470-00

Aseptic Battery

89-8521-470-30

Aseptic Battery Housing

89-8521-470-40

Aseptic Battery Funnel

89-8521-470-50

Power Source - Sterilisable Battery Option

Charger for Sterilizable Battery

89-8521-470-00

Sterilizable Battery

89-8521-470-20

Power Source - Electric Power Supply

Electric Power Supply

89-8521-470-70

Sterilizable Cord for Electric Power Supply

89-8521-470-80

Power Source - Power Cords

CEE 7 Power Cord (Euro)

00992010101

SEV 1011 Power Cord (Switzerland)

00992010102

CEI 2350 Power Cord (Italy)

00992010103

BS 1363 Power Cord (United Kingdom)

00992010110

Sterilization Cases

2HP Basket without Housing Slots

89-8523-100-20

1HP Basket without Housing Slots

89-8523-100-30

2HP Basket with Housing Slots

89-8523-100-40

1HP Basket with Housing Slot

89-8523-100-50

Single HP Tray with Housing Slot

89-8523-300-10

