

Orthopaedic Implant Extraction with Pneumatic Shock Waves



ORTHOCLAST2 INTRODUCTION

The removal of cementless femoral hip prostheses can be challenging. An Extended Trochanteric Osteotomy – ETO (transfemoral access) can result in bone damage, and soft-tissue reattachment complications. The OrthoClast2 System in combination with the flexible micro-chisels can help preserve bone stock and can prevent the need for an ETO. The OrthoClast2 System works with shockwave technology, similar to that used by a pneumatic hammer.



GENERATOR OVERVIEW

adjustable frequency
up to 10HZ

adjustable power
up to 6 bar

save user
settings



adjustable
display
brightness

touch
display

multi
language

HANDPIECE OVERVIEW



slim
5mm version
available

micro-chisel
single use

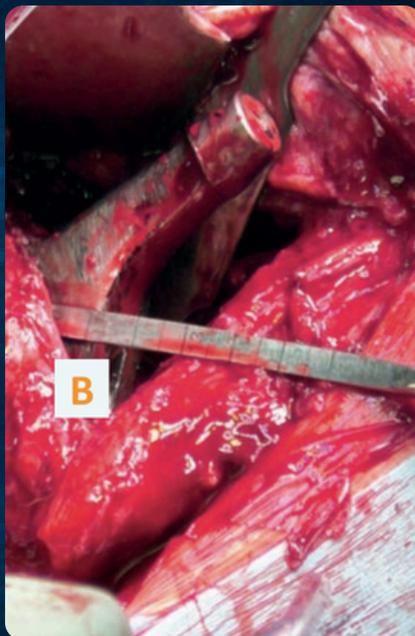
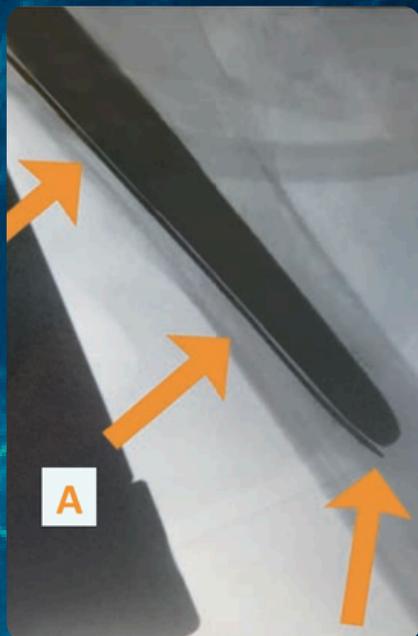
working depth
up to 190mm

plunger
for ceramic inlays

pre-defined
bone and prosthesis side

FLEXIBLE CHISEL ADVANTAGES

The OrthoClast2 handpiece works with a narrow, **flexible micro-chisel** with a working depth of up to **190 mm**.



Flexible chisel features

- Working depth up to **190mm (FR-079)**
- **Slim 5mm** version for Wagner and ribbed stems (**FR-077**)
- Pre-defined bone and prosthesis side
- Single-use chisel*

- Dissection of the bone-prosthesis interface
- Controlled sliding of the flat chisel along the prosthesis stem **(A)**
- Chisel with pre-defined bone and prosthesis side
- The scale can be used to assess the depth of penetration **(B)**
- Controlled advancing of the chisel without bone perforation
- Reduces the need for ETO or femoral fenestration, helps to reduce bone trauma

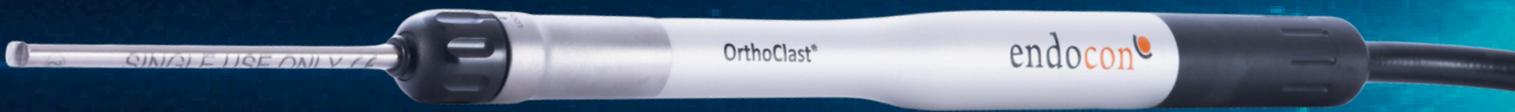
ACETABULAR SHELL HARD-BEARING REMOVAL ATTACHMENT

Function: for loosening and releasing acetabular hard bearings and ball heads

Plunger Specifications:

- Cup inlay (hard bearings)
- Ball heads (all materials)

FR-063 - Plunger for ceramic inlays



SYSTEM OVERVIEW



OrthoClast2 System:

- Generator
- Handpiece
- Compressed air hose
- Foot pedal

Technical data:

Control unit

- Hospital compressed air supply
- Integrated waste air return system

Handset

- No electrical connection to patient or surgeon

Flexible chisel

- Individual, chisels enable effective and fast implant removal*
- Separate chisel to dissect the bone-prosthesis interface
- No risk of thermal tissue damage and mechanical bone damages

FR-079 standard - 7mm tip width, operating length 190 mm



FR-078 standard - 7mm tip width, operating length 160 mm



FR-077 slim - 5mm tip width, operating length 160 mm



ORDERING INFORMATION

<p>FT-200 OrthoClast2 basic unit 230V</p>	
<p>EL-147 Handpiece OrthoClast2</p>	
<p>EH-078G Pneumatic pedal OrthoClast2</p>	
<p>EL-077-OC2 Handpiece tube FT-200 for EL-147</p>	
<p>EH-077 Handpiece tube FT-118 for EL-147</p>	
<p>FR-073 SteriTray handpiece with lid</p>	
<p>20010260** Dräger Air-Motor air hose 20080261 4-Kant air hose 20100321 Compressed air hose US IM (Milton) - Synthes/AO, 5.00 m, blue</p>	

ORDERING INFORMATION

<p>FR-078 - Single Use* Flexible microstructure chisel working length up to 160mm, tip 7mm</p>	
<p>FR-079 - Single Use* Long flexible microstructure chisel - working length up to 190mm, tip 7mm</p>	
<p>FR-077 - Single Use* Working length up to 60mm, thin tip (5mm). Flexible microstructure chisel. Suitable for Wagner and ribbed stems</p>	
<p>FR-062 Split mallet</p>	
<p>FR-063 Plunger for ceramic inlay removal. Field of use: cup, ceramic. OrthoClast2 setting: 1-shot</p>	

*Manufacturer's specification:
Multiple reprocessing
(sterilisation), SINGLE USE for application

**200xxxx Multiple fitting types available
Ask for air hose specifically
adapted to your county standards.



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The logo for endocon, with "endo" in a grey sans-serif font and "con" in an orange sans-serif font, followed by a stylized orange and grey circular icon.

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