

# ESOBLOCK

BIO-ABSORBABLE  
CEMENT RESTRICTOR



GRUPPO  
BIOIMPIANTI

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The image shows numerous translucent, yellowish, diamond-shaped diaphyseal plugs scattered across a light-colored surface. The plugs are arranged in a somewhat circular pattern, with some in the foreground and others receding into the background. The lighting is bright, creating highlights and shadows that emphasize the three-dimensional shape and transparency of the plugs. The background is a soft, out-of-focus light blue and white.

**ESOBLOCK diaphyseal plugs are totally re-absorbable, facilitate subsequent prosthetic revision and, unlike synthetic plugs, they minimize loss of bone stock.**

## ESOBLOCK

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ESOBLOCK IS A DIAPHYSEAL RESTRICTOR used to restrict the medullary cavity before introducing acrylic cement during total hip arthroplasty. It prevents cement from flowing into the diaphysis, so making it easier to pressurise, and it enables the medullary cavity to be sealed off before acrylic cement is introduced.

Being perfectly biocompatible, it is re-absorbed in 1 or 3 days at 37° and withstands the momentary increase in temperature due to polymerization of the cement.



## DIAMETERS

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ESOBLOCK plugs are available in the following sizes: 8,10,12,14,16,18\*, 20\*

## MATERIALS

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- Gelatine (porcine-based)
- Glycerol
- Water
- Methylparahydroxybenzoate.

Their gelatine based chemical composition gives them elastic properties that ensure optimum filling of the medullary cavity as well as improved resistance to the pressurization of the cement.

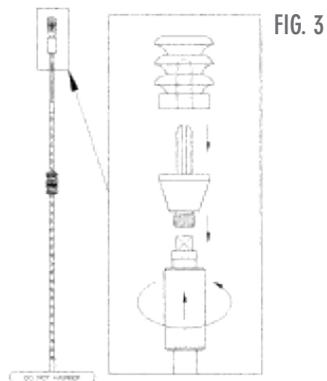
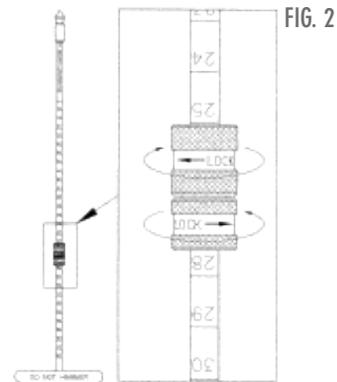
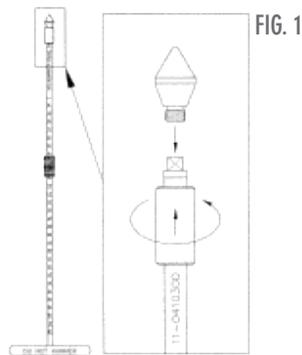
The plug takes the anatomical shape of the canal. Synthetic plugs, on the other hand, do not allow such deformation as they are more rigid and cannot adhere perfectly to the canal or guarantee a seal against eventual movement of the cement.

## ESOBLOCK

The diameter of the ESOBLOCK can be predetermined by the surgeon by setting up the correspondence between the supplied templates of the prosthesis and diameters of the medullary canal.

1. Fit the trial plug on the insert device and proceed with the measurement. (FIG. 1)
2. Position the cursor at the desired distance (distance between the top edge of the bone and the distal end of the prosthesis to implant); add 1 cm to this distance. (FIG. 2)
3. Determine the plug size by measuring the diameter of the femoral canal with the trial plug. (FIG. 2)
4. Remove the trial plug and mount the femur plug holder.
5. Put the femur plug in the plug holder and proceed to insert it in the medullary canal. (FIG. 3)
6. Pull out the insert device and introduce the acrylic cement.

Caution: the instrument set must not be forced.



## STERILITY

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ESOBLOCK is sterilised by gamma radiation at a minimum dose of 25 kGy. Prior to using, carefully check the protective packaging in order to ensure that it has not been damaged in a way that could affect its sterility. When taking the product out of its packaging, be sure to follow the asepsis rules.

ESOBLOCK is delivered sterile and ready for use in the operating room. Re-sterilization of the product is strictly prohibited. Do not use after expiry date.

## PRECAUTIONS FOR USE

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The surgeon must be trained in the surgical techniques used for these cement restrictors. The insertion of a foreign body in the tissue increases normal risks of infection associated with surgery during the postoperative period. This device is packaged and sterilized for single use only. Do not reuse, reprocess or resterilize.

Reuse, reprocessing, or resterilization may compromise the structural integrity of the device and/or lead to device failure that in turn may result in patient injury, illness or death. Also, reprocessing or resterilization of single use devices may create a risk of contamination and/or cause patient infection or cross-infection, including, but not limited to, the transmission of infectious disease(s) from one patient to another. Contamination of the device may lead to injury, illness, or death of the patient.

## CONTRAINDICATIONS

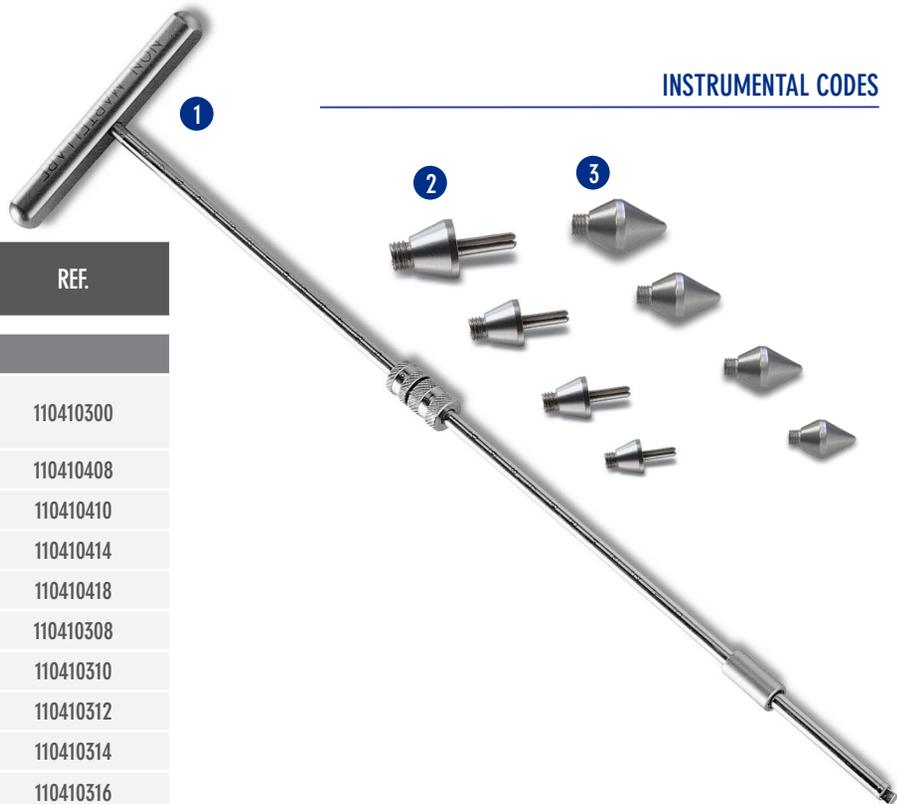
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The ESOBLOCK cement restrictor must not be used in patients allergic to other product compounds or in patients having known allergies.

## SIDE EFFECTS

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No undesirable side-effects have ever been recorded. Use during pregnancy and lactation: no contraindications. Interaction with other medicaments: none known.



	DIAM.	REF.
<b>1</b> Insert device for trial and femur plug	-	110410300
<b>2</b> Femur plug holder	8mm	110410408
	10/12mm	110410410
	14/16mm	110410414
<b>3</b> Trial plug	18/20mm	110410418
	8mm	110410308
	10mm	110410310
	12mm	110410312
	14mm	110410314
	16mm	110410316
	18mm	110410318
20mm	110410320	
Tray	-	110410450

## IMPLANT CODES



	DIAM.	REF.
ESOBLOCK	8mm	110410208
	10mm	110410210
	12mm	110410212
	14mm	110410214
	16mm	110410216
	18mm*	110410218*
	20mm*	110410220*

\*under request

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ESOBLOCK-IP-001-REV 00 2020