



**GEMINI SL EXTRABONE**  
Extramedullary Femur Referencing



## GEMINI SL EXTRABONE

A purpose-designed modern, modular instrument set.

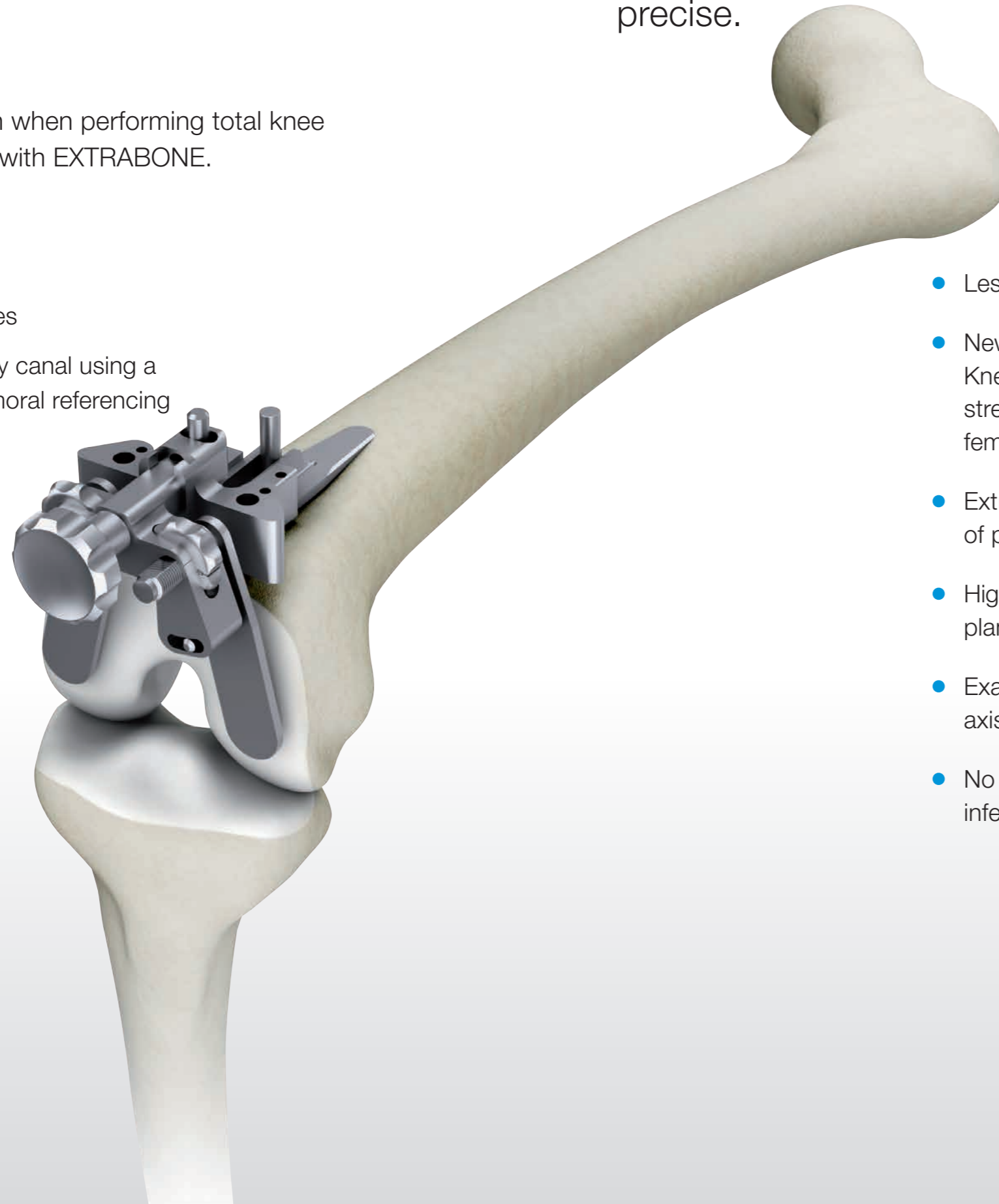
The philosophy of bone conservation when performing total knee replacement has been implemented with EXTRABONE.

### The system enables:

- Small, soft-tissue-sparing approaches
- Preservation of the femoral medullary canal using a new technique of extramedullary femoral referencing

### The result:

- Precise alignment
- Less risk of embolism
- Reduced blood loss
- Minimized risk of infection



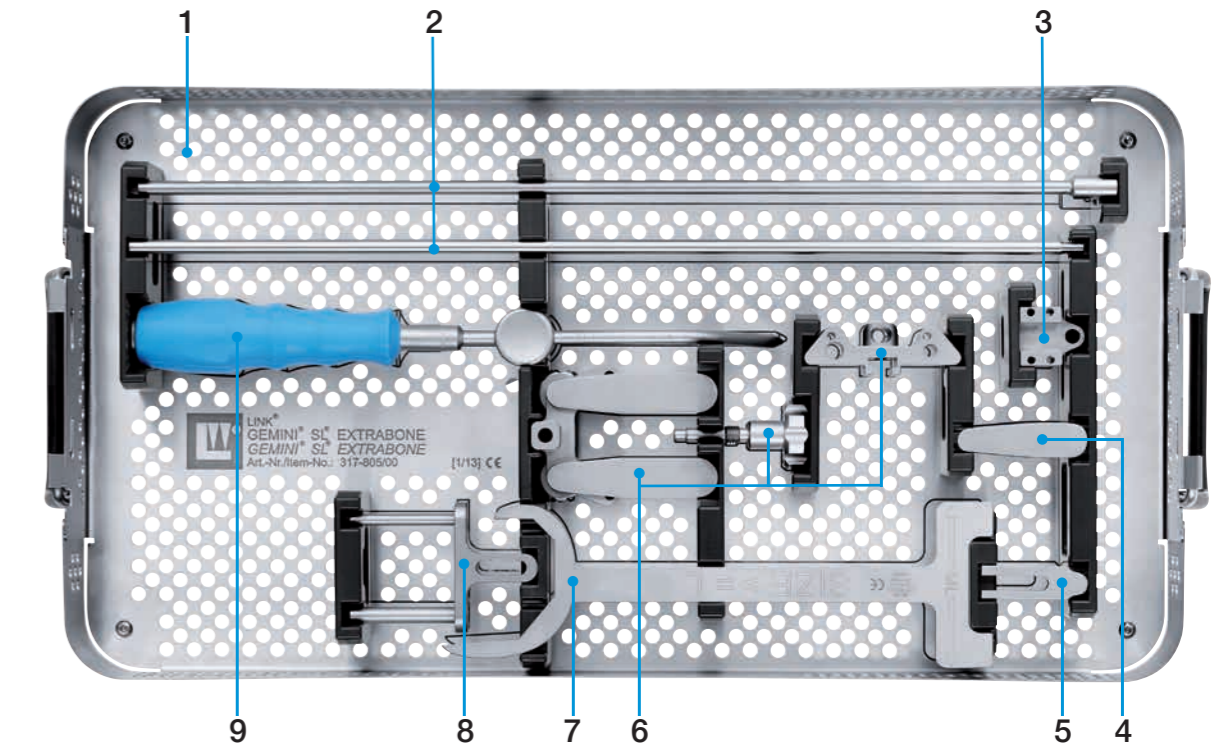
## GEMINI SL EXTRABONE

Non-invasive femur referencing – simple, reliable and precise.

- Less invasive knee surgery
- New approach technique for GEMINI SL Total Knee Replacement that reduces patient stress with a new method of extramedullary femoral referencing
- Extramedullary femur referencing on the basis of preoperative radiological planning
- High accuracy achieved by transferring precise planning data to the instrument
- Exact axial alignment with the mechanical axis in the coronal and sagittal planes
- No damage to the femoral canal, or risk of infection, caused by intramedullary alignment

## GEMINI SL EXTRABONE Instrument Set

A simple instrument set for optimal alignment with reproducible results. The instruments can be dismantled without any tools and are quick and easy to reassemble. At the same time, they fulfill state-of-the-art requirements for hygienic reprocessing.



	REF	
1	317-805/00	Instrument Tray, empty, 485 x 253 x 120 mm
2	317-840/00	Alignment Rod
3	317-815/00	Positioner Guide
4	317-825/00	Guide
5	317-820/00	Connector (3 parts)
6	317-810/00	Alignment Instrument
7	317-845/00	Femoral Sizer
8	317-835/00	Axis Alignment Guide
9	317-830/00	Positioner

## GEMINI SL Total Knee Replacement

Excellent treatment options for a wide range of patients and indications plus maximum intraoperative flexibility

- Modular, anatomically designed prosthesis components
- Wide choice of sizes for every anatomy, irrespective of gender or ethnicity
- High survival rate of 97.2% after 9 years in the arthroplasty register of the Emilia Romagna region of Italy<sup>1</sup>
- Compatibility with other systems in the LINK SL Knee Family concept provides comprehensive treatment options
- LINK PorEx surface modification for patients who are sensitive to metal



### Mobile Bearing\*

with congruent tibial plateau surface

- Congruence of the articular surfaces in extension
- Articulating femoral condyle as flexion increases, giving greater freedom of flexion and relieving strain on the patella
- High congruence stabilizes the joint, also in the absence of the posterior cruciate ligament<sup>2</sup>



### Fixed Bearing\*

on tibial component

- For use with intact ligaments and capsule and adequate joint stability
- The same femoral component for fixed and mobile bearings
- The same tibial component for fixed bearing and fixed bearing PS

\* also available without LINK PorEx Surface Modification



### Fixed Bearing PS\*





with mechanical stop


- Post on the tibia and stabilizing cam on the femoral component as coupling mechanism
- Guided tibial "rollback" with dorsal subluxation stop
- Joint function stabilized in the absence of the posterior cruciate ligament

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CE 0482

#### Explanation of Pictograms

	Manufacturer		Article number
	Material (number)		Product meets the applicable requirements, which are regulated in the EU harmonization legislation for the affixing of the CE marking.

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### Extramedullary Femur Referencing

References: <sup>1</sup> Annual Report of R.I.P.O. 2010, page 15, Regional Register of Orthopaedic Prosthetic Implantology, <http://ripa.cineca.it>

<sup>2</sup> Christine S. Heim, BSc, Paul D. Postak, BSc, Nicolas A. Playton, MS, A. Seth Greenwald, DPhil (Oxon): „Classification of Mobile-Bearing Knee Designs: Mobility and Constraint“, The JBJS (American) 83:S32-37 (2001)