

PRECICE® Intramedullary Limb Lengthening System

Ellipse Technologies, Inc., an innovative company focused on developing implantable technology to treat a broad spectrum of spinal and orthopedic applications, has developed a novel IM nail for limb lengthening in the femur and tibia. PRECICE is an adjustable implant that utilizes a remote control to non-invasively lengthen. PRECICE is used to treat long bone abnormalities often the result of acute or chronic fractures.

Product Benefits

- Minimally invasive surgery
- Intramedullary stabilization
- Novel magnet technology
- Precision rate control
- Available in two diameters – 10.7 mm & 12.5 mm
- Up to 65 mm non-invasive distraction capability
- Reversible – can shorten if necessary
- Customizable lengthening protocol based upon patient's distraction prescription



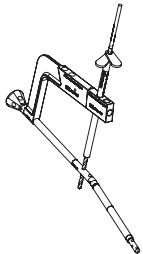
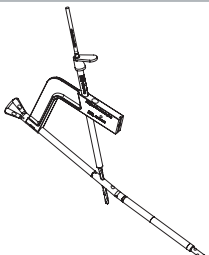
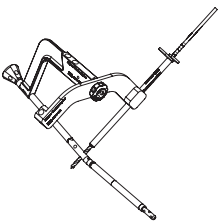
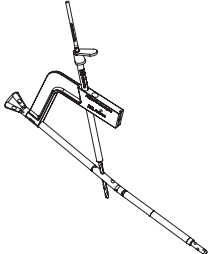
Lengthening Phase Image

The key to the Ellipse platform technology is the magnetic interaction between the PRECICE implant and the ERC (External Remote Controller). Permanent magnets are used to non-invasively adjust the PRECICE implant. This advancement in IM lengthening allows for a precision controlled distraction phase with the ability to retract the device if necessary.

PRECICE External Remote Controller (ERC)

The ERC is a portable, hand held unit that lengthens the PRECICE implant in a controlled manner through the touch of a button. The ERC can be easily customized to each patient's distraction prescription. The PRECICE IM rod can then be lengthened or shortened non-invasively in the clinic or by the patient at home.

Product Reference Guide

Nail Approach	Drill Guide Configuration	Overall Length (mm)	10.7 mm Extension Rods		12.5 mm Extension Rods	
Retrograde Femur (10°)		230	ERA1-230		ERA2-230	
		255	ERA1-255		ERA2-255	
		280	ERA1-280		ERA2-280	
		305	ERA1-305		ERA2-305	
		330	ERA1-330		ERA2-330	
		355	ERA1-355		ERA2-355	
Antegrade Femur (Piriformis)		230	ERB1-230		ERB2-230	
		255	ERB1-255		ERB2-255	
		280	ERB1-280		ERB2-280	
		305	ERB1-305		ERB2-305	
		330	ERB1-330		ERB2-330	
		355	ERB1-355		ERB2-355	
Antegrade Tibia (10°)		230	ERC1-230		ERC2-230	
		255	ERC1-255		ERC2-255	
		280	ERC1-280		ERC2-280	
		305	ERC1-305		ERC2-305	
		330	ERC1-330		ERC2-330	
		355	ERC1-355		ERC2-355	
Antegrade Femur (Trochanteric 10°)		230	ERD1-230		ERD2-230	
		255	ERD1-255		ERD2-255	
		280	ERD1-280		ERD2-280	
		305	ERD1-305		ERD2-305	
		330	ERD1-330		ERD2-330	
		355	ERD1-355		ERD2-355	
Locking Screws: 5.0 mm (GREEN) 4.0 mm (BLUE)			Proximal	Distal	Proximal	Distal
			5.0	4.0	5.0	5.0



Retrograde Lengthening of the femur using the ERC.

Visit our website at
www.ellipse-tech.com
to learn more about our
exciting technology