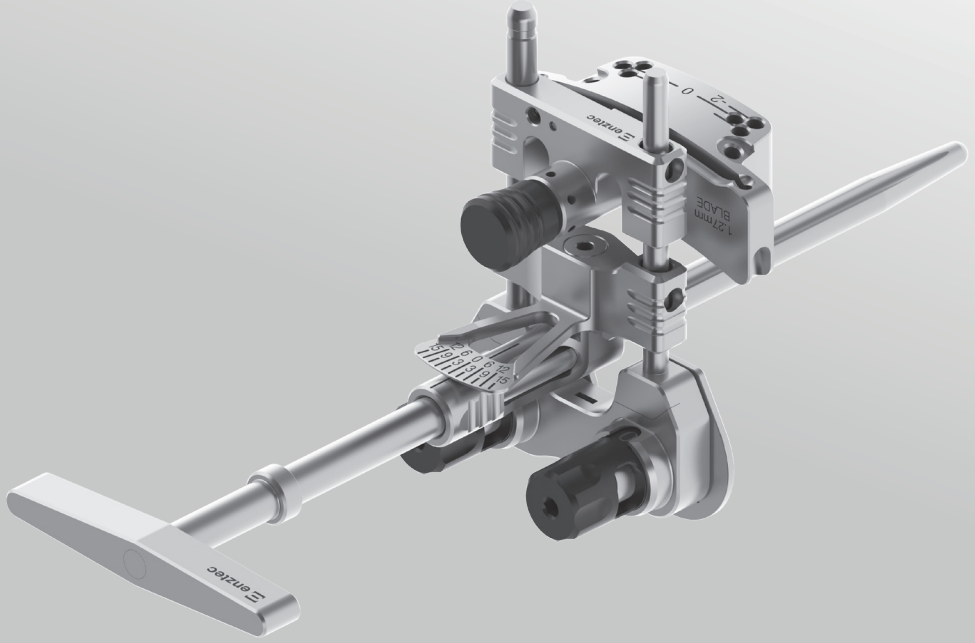

Adjustable Distal Femoral Alignment Guide – Technical Guide

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Contents

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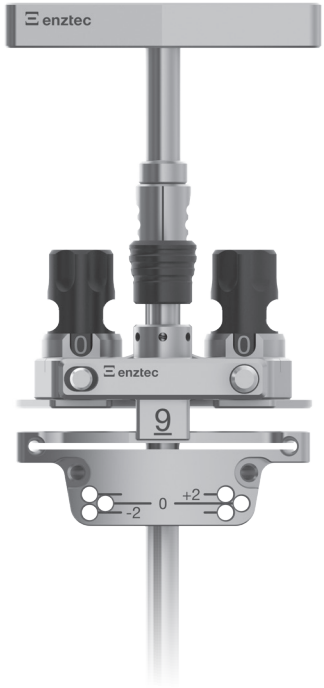
Overview

The Enztec Adjustable Distal Femoral Alignment Guide is a modular instrument designed to support accurate distal femoral resection in TKA, including kinematic alignment techniques.

It enables fine adjustment for cartilage wear and anatomical variation, supporting precise femoral positioning.

Independent paddle adjustment allows controlled varus and valgus alignment, while a modular design supports flexible configuration across surgical approaches.



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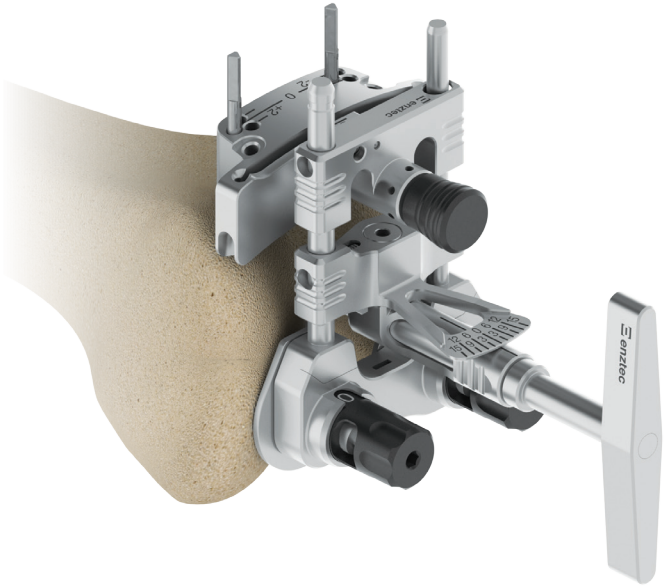
Features

The Enztec Adjustable Distal Femoral Alignment Guide is modular by design, allowing components to be configured to suit different approaches.

Additional key features at a glance:

- 4mm cartilage depth adjustment
- ±15 degrees of varus/valgus movement
- Compatible with 1.27mm and 1.35mm cutting blocks
- Supports 8, 9, and 10 mm distal resection.



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Components & Compatibility

COMPONENT OPTIONS

Adjustable Distal Femoral Alignment Guide with adjustable paddles. Offering 0-4mm to compensate for cartilage wear. Adjustments for cartilage depth can be made by hand or 3.5mm hex.		Replacement paddle available 
Ø8mm Intramedullary Rod	135mm fluted length 	200mm fluted length 
Sagittal Alignment Connector ±15° of V/V travel	V/V indicating 	Non V/V indicating 
Distal Femoral Cutting Block Connector available in 8, 9, 10mm resection depths	Compatible with Enztec Cutting Block 	Compatible with 1.27mm + 1.35mm saw blade slots 
Enztec Distal Femoral Cutting Block Compatible with Ø3.2mm pins 1.27mm saw blade compatible		

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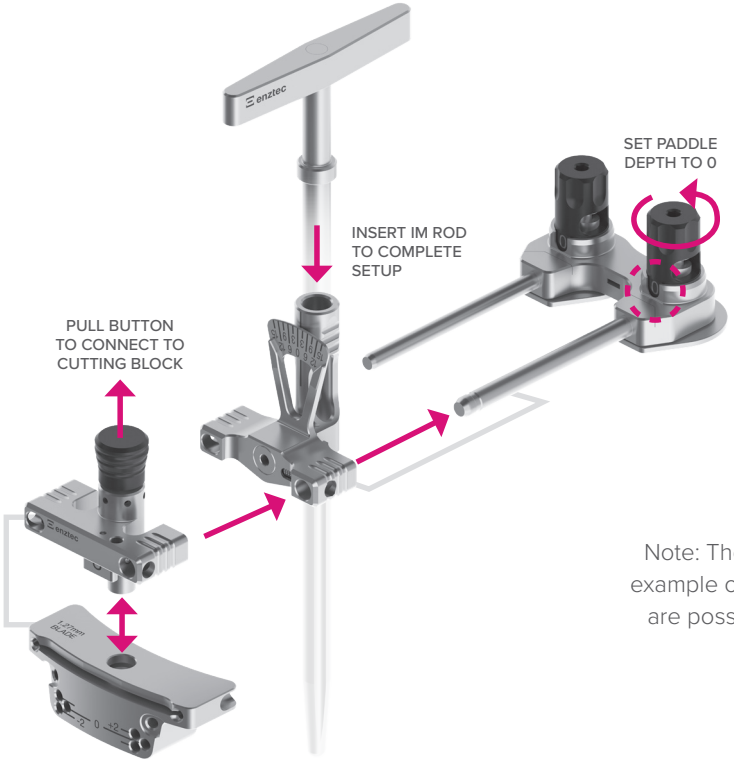
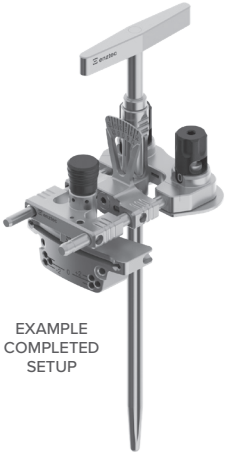
Set Up

Select required components for the procedure

- Adjustable Distal Femoral Alignment Guide
- Distal Femoral Cutting Block Connector
- Distal Femoral Cutting Block
- Sagittal Alignment Connector
- Intramedullary Rod

Ensure paddle depth is pre set to 0 at the beginning of procedure.





Note: The setup seen in this guide is an example only, other variations of assembly are possible depending on philosophy.

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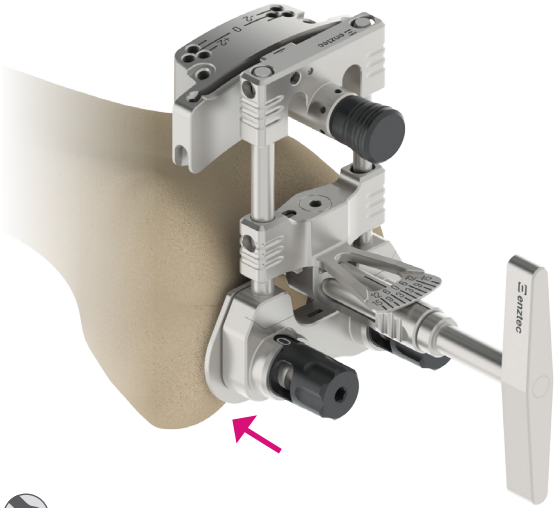
Femoral Adjustments

Step 1:

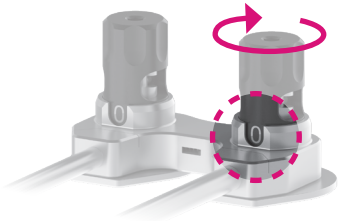
Complete assembly of your chosen configuration in component order (see example on page 4).

Place the IM Rod into the pre-drilled hole in the femoral canal, placing the paddles against both femoral condyles.

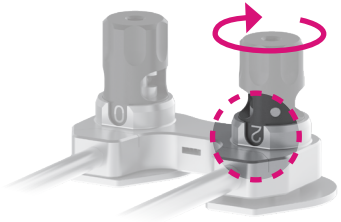


Step 2:

Using the dials, adjust the paddles of the guide to compensate for any cartilage loss on either the medial or lateral condyles. This step can be done by hand or using a hex driver.



Clinical judgment should be used to determine amount of wear compensation.

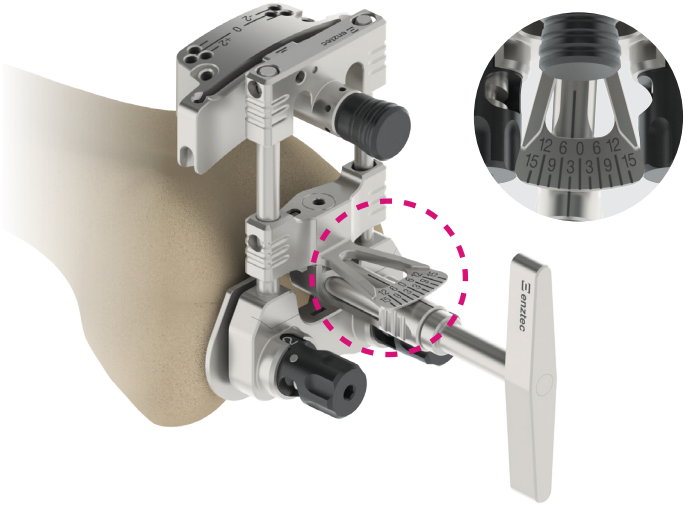


2mm is a common compensation for cartilage wear with 1mm available for partial wear and 3-4mm for more significant bony wear.

Femoral Adjustments

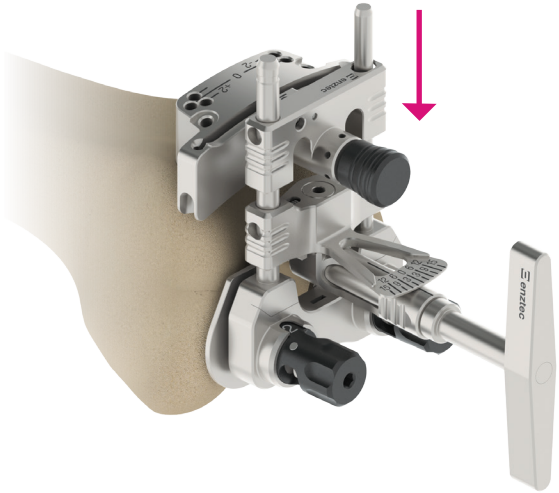
Step 3:

Visualise the V/V angle once the cartilage depth has been set (optional). If you intend to restrict the resultant V/V angle, adjust the paddle dials until you are happy with the angle shown.



Step 4:

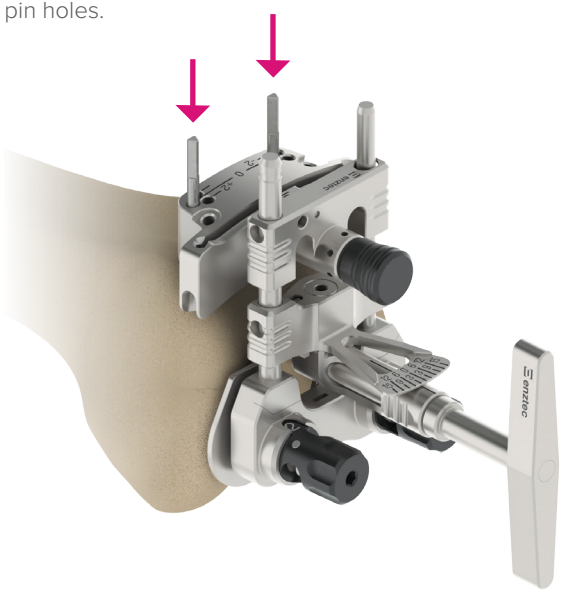
Translate the cutting block to sit against the femoral bone.



Resect Femur

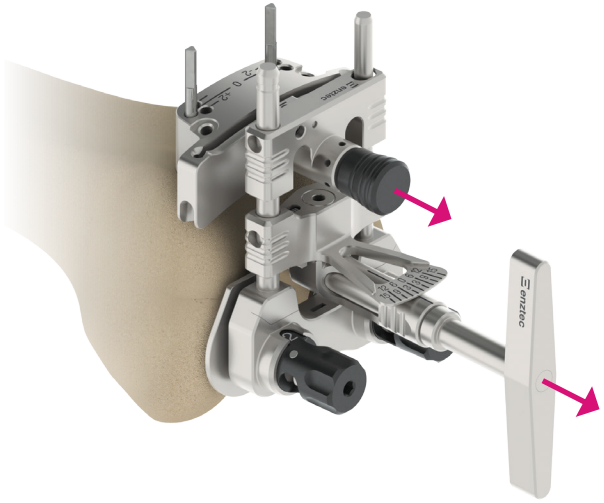
Step 5:

Pin the cutting block to the bone using the 0 position parallel pin holes.



Step 6:

Leaving the cutting block in place, remove the IM Rod and distal femoral guide components from the femur by pulling the button on the cutting block connector away from the cutting block.



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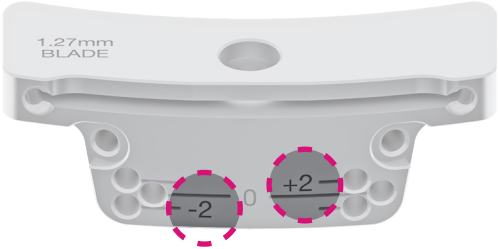
Resect Femur

Step 7 (if required):

Relocate the cutting block to a different resection plane by sliding the block off the parallel pins and sliding the pins through the +2mm or -2mm parallel pin holes.



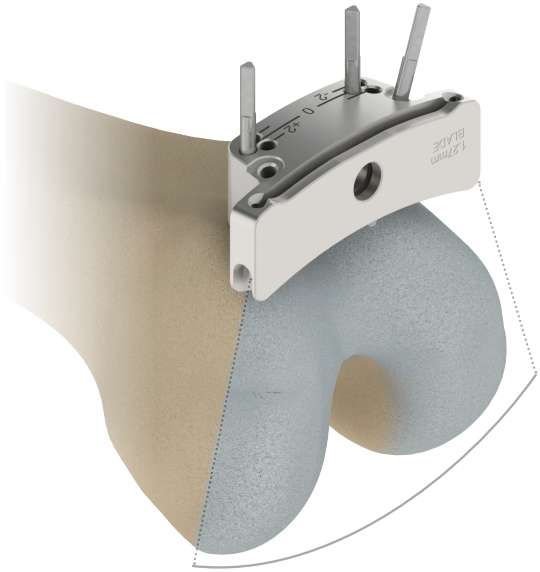
Step 8:

Insert at least one fixation pin through a skew pin hole to fix the cutting block in place.

Resect Femur

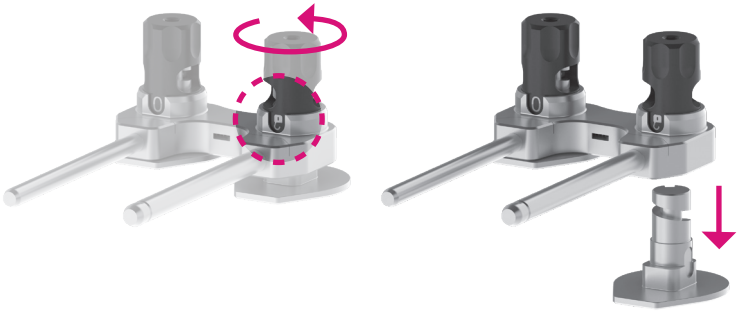
Step 9:

Make cut, then remove pins and cutting block.



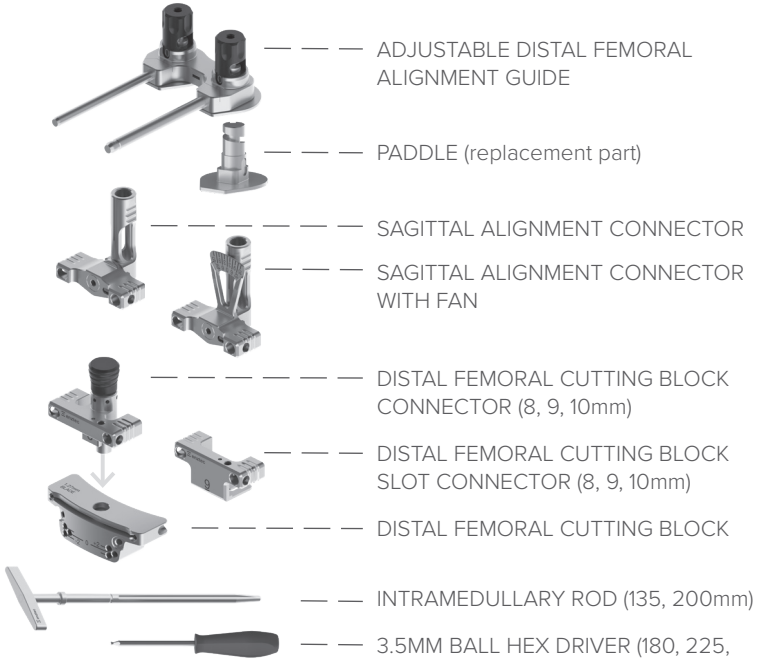
Step 10:

Disassemble the Adjustable Distal Femoral Guide fully for cleaning. Rotate the knob to the padlock position to remove the paddles.



Catalogue

4240-7700	Adjustable Distal Femoral Alignment Guide – Cartilage
4240-7701	Adjustable Distal Femoral Alignment Guide – Paddle
4240-7705	Sagittal Alignment Connector – Pivot
4240-7706	Sagittal Alignment Connector – Pivot with Fan
4240-7710	Distal Femoral Cutting Block Connector – 8mm
4240-7711	Distal Femoral Cutting Block Connector – 9mm
4240-7712	Distal Femoral Cutting Block Connector – 10mm
4240-7725	Distal Femoral Cutting Block Slot Connector – 8mm
4240-7726	Distal Femoral Cutting Block Slot Connector – 9mm
4240-7727	Distal Femoral Cutting Block Slot Connector – 10mm
4240-7720	Distal Femoral Cutting Block – 1.27mm
4240-7800	Intramedullary (IM) Rod – 8mm x 135mm
4240-7801	Intramedullary (IM) Rod – 8mm x 200mm
4240-7155	3.5mm Ball Hex Driver – 180mm
4240-7156	3.5mm Ball Hex Driver – 225mm
4240-7153	3.5mm Ball Hex Driver – 340mm



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A surgeon must always rely on his or her own professional clinical judgment when deciding which products and/or techniques to use on individual patients. Enztec is not dispensing medical advice and recommends that surgeons be trained in orthopaedic surgeries before performing surgeries.

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Enztec Limited
3/17 Print Place
Middleton
Christchurch, 8024
New Zealand

Contact:
Enztec Limited
P.O.Box 31029, Ilam
Christchurch, 8444
New Zealand
Ph: + 64 3 348 0203
W: www.enztec.com

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