

Gamma3[®]

Distal Targeting System

Trauma

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Gamma3 Long Nails
Hip Fracture

Gamma3 Distal Targeting System

May provide more surgical working space¹

The Gamma3 DTS allows you to perform the distal locking procedure in the Oblique approach, allowing the image intensifier to not be in the same axis of the power tool and drill.

Radiolucency and accuracy²

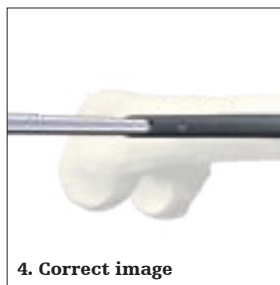
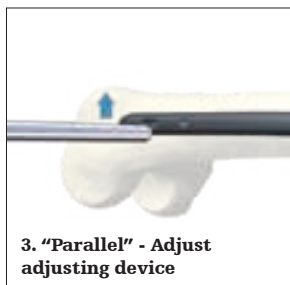
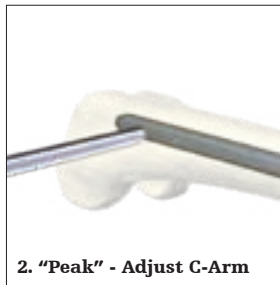
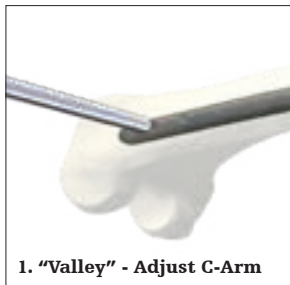
The major components of the Distal Targeting System are made of Carbon Fiber allowing for radiolucency during C-Arm imaging.

Minimal invasive surgery

Guided distal locking may help to find the correct locking position with the first approach. Without performing repeated drilling, it helps to potentially achieve minimal invasive surgery.

Ease of use

The Gamma3 Distal Targeting System is easy to assemble and requires only five steps. Using the Gamma3 Distal Targeting System (DTS), the goal is to achieve a projection showing the Drill Sleeve Assembly and the nail to be in line.

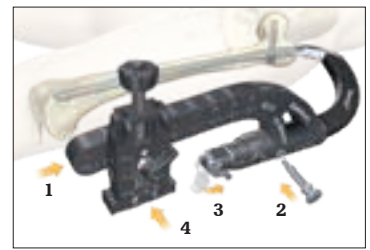


1. Compared with conventional freehand locking method using radiolucent drill.
2. Clinical experience from early product surveillance, presented at JFSR 2006, Dr M. Yokoyama et al, Kanazawa Med. Univ.

Note:
For detailed information please refer to Gamma3 Distal Targeting Device Operative Technique.

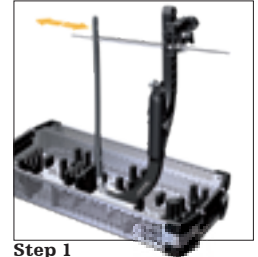
Assembly

1. Align white line in window and slide targeting arm up until a click is felt.
2. Insert Fixation Bolt
3. Securely lock lever
4. Insert Adjusting Device at length of Nail



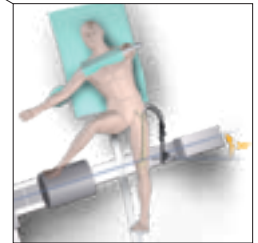
Step 1: Pre-Calibration

Look through the Tissue Protection Sleeve and adjust the targeting position by turning the Adjusting Screw until the holes of the sleeve and nail appear coaxial. Now make final adjustments with the drill, passing it through the most proximal hole.



Step 2: Oblique C-Arm positioning

To perform Distal locking in the Oblique Approach, the X-Ray beam of the C-Arm needs to be approximately 30 degrees oblique to the Axis of the Drill Sleeve Assembly, as shown.



Step 3: C-Arm adjustment

After the Oblique C-Arm positioning is done, adjust the height of the X-Ray Beam so it is in the same plane as the Drill Sleeve Assembly.



Step 4: Nail and sleeve adjustment

Once the C-Arm has been adjusted, so that the sleeve and nail are parallel, the deviated image will show either the sleeve above or below the nail. If the sleeve and nail are shown in parallel and in the same axis, no deflection of the nail shaft has occurred and no further adjustment of the Adjusting Device is needed.



Step 5: Locking

Once the correct nail and sleeve adjustment has been obtained, a small skin incision is made at the tip of the Trocar and continued down to the lateral cortex in the direction of the Tissue Protection Sleeve. Advance the Sleeve until in proper positioning against the lateral cortex. Always verify that the Tissue Protection Sleeve is in good contact with the bone. Remove the Trocar and push the green coded 4.2 x 300mm Drill through the Drill Sleeve.

