

Technique of Parsley Intraoperative Leg Length/Offset Device

By Brian S. Parsley, MD



For use with lateral femoral positioned patients in both the direct lateral and posterior hip approaches, the Parsley Intraoperative Leg Length Device is designed to help with intraoperative leg length and femoral offset assessment, and can be placed prior to dislocation of hip and replaced following trial implantation and reduction, and again at the time of final implantation and reduction

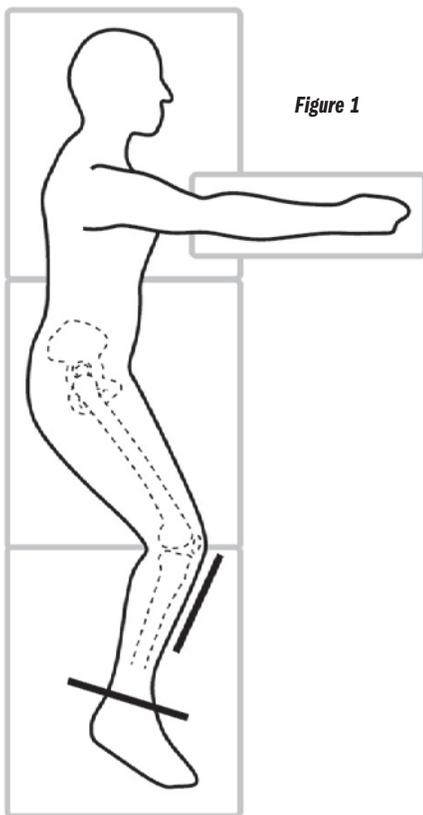


Figure 1

Position the patient in the lateral decubitous position, with the patients hips flexed at 35-45° and the knees at 90° flexion. The down leg secured with tape, and the foot palpable through the drapes.

The standard surgical approach is performed.

Just prior to dislocation of the hip, the legs are aligned, and the heels are positioned together for consistency. (Figure 1)

(See page 3 for image index of device parts.)

The threaded Post of the device is secured to the ilium (Figure 2) through a separate stab wound incision performed in line with the lateral shaft of the femur.

The device Offset Stop, and then the Outrigger are slid onto the post (Figure 3).

The Outrigger is swung freely to make contact with the lateral side of the greater trochanter, and the Offset Stop is slid up and locked into position to align with the base of the Outrigger to mark offset.

Use a suture knot to mark the position of Outrigger contact on the lateral side of the greater trochanter, providing a mark for later comparison during trialing to determine the amount of length and offset.

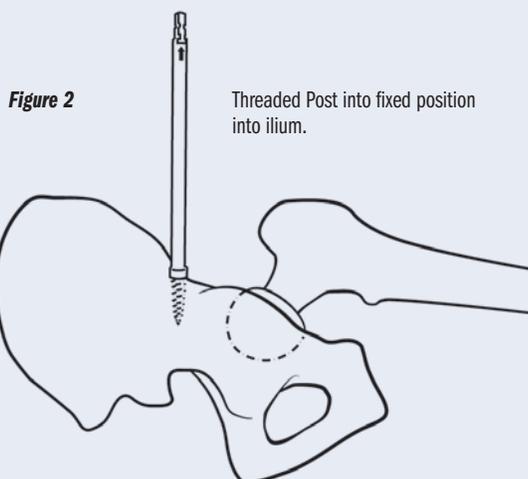


Figure 2

Threaded Post into fixed position into ilium.

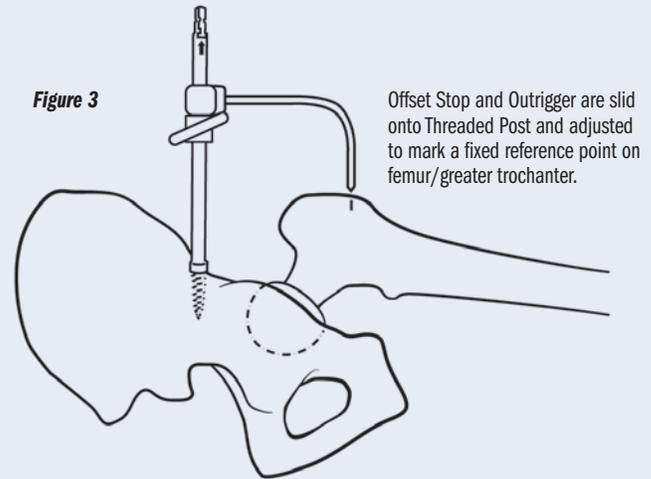
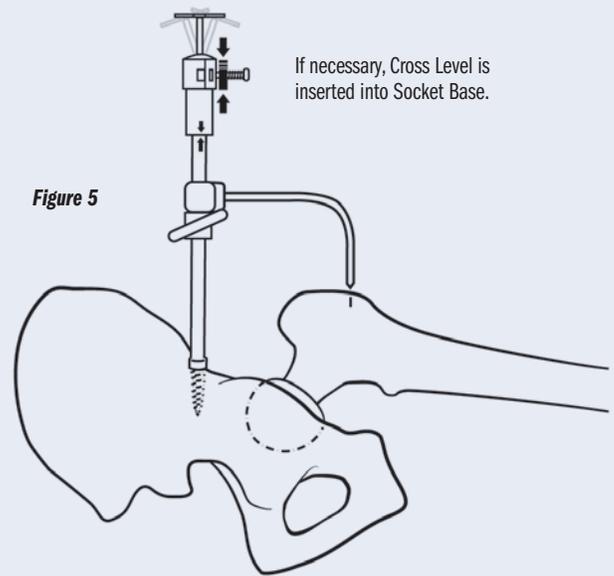
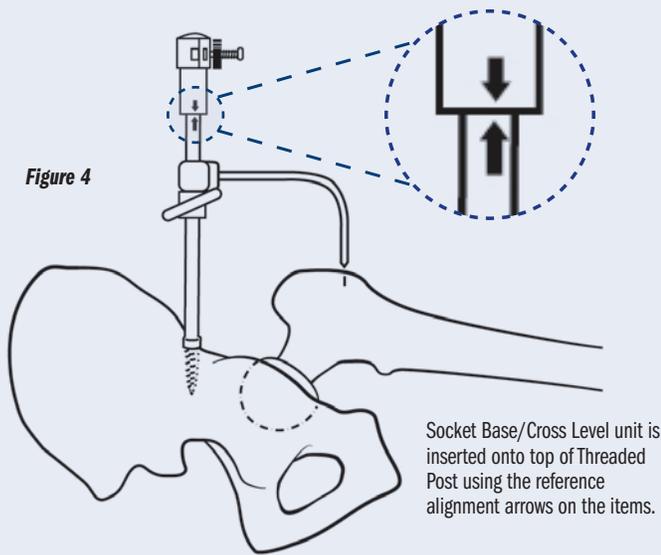


Figure 3

Offset Stop and Outrigger are slid onto Threaded Post and adjusted to mark a fixed reference point on femur/greater trochanter.



The Socket Base/Cross Level unit is now inserted onto the top of the Post using the reference alignment arrows on the items (**Figure 4**). If detached, the cross level can be inserted and clamped into position atop the socket base (**Figure 5**), then loosely tightened using the socket clamp screw.

The Sterilizable Levels (with magnetic base) placed on the Cross Level (**Figure 6**) for use to help ensure the pelvic position remains unchanged during the procedure.

The Socket Clamp Screw is loosened to allow the ball joint of the Cross Level to be maneuvered until both levels are level, then re-tighten the Socket Clamp Screw in the level position.

Now the Socket Base/Cross Level unit and the Outrigger can be removed, making sure to maintain the locked position, and the procedure can continue with the hip dislocation.

The acetabulum and femoral components are prepared and trials placed in the standard fashion.

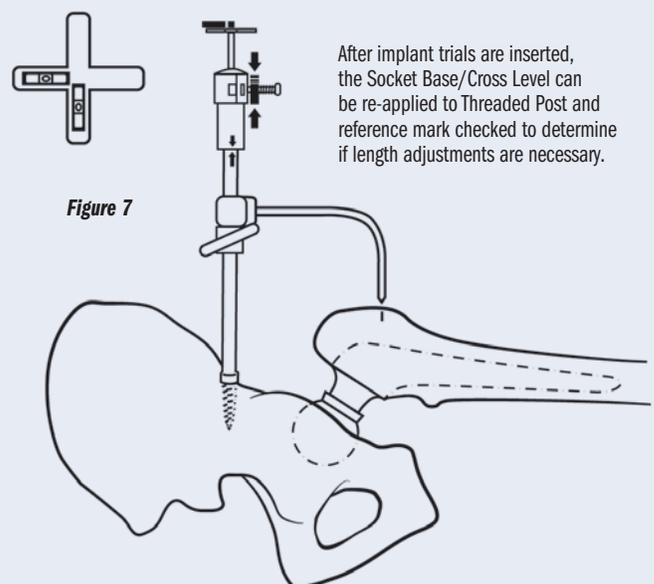
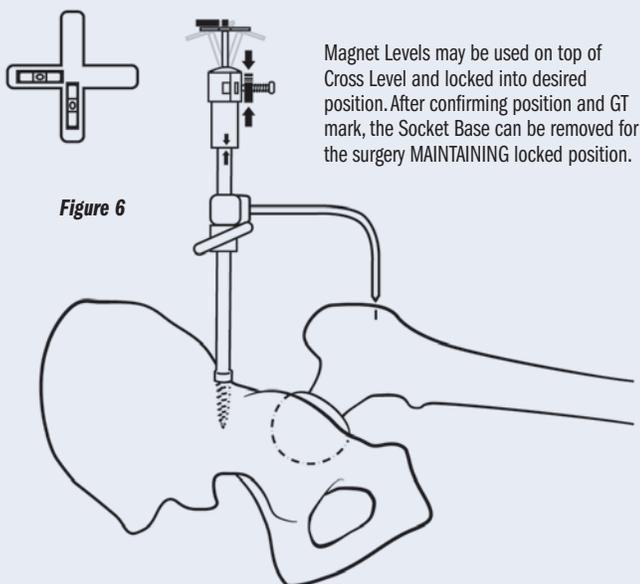
The hip is reduced and the heels realigned.

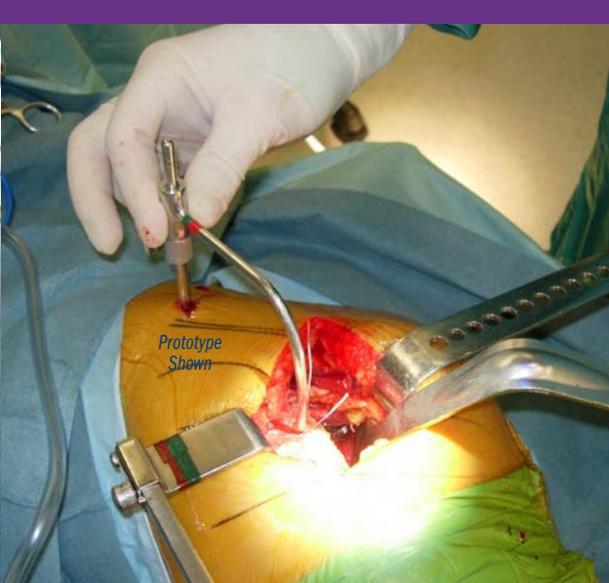
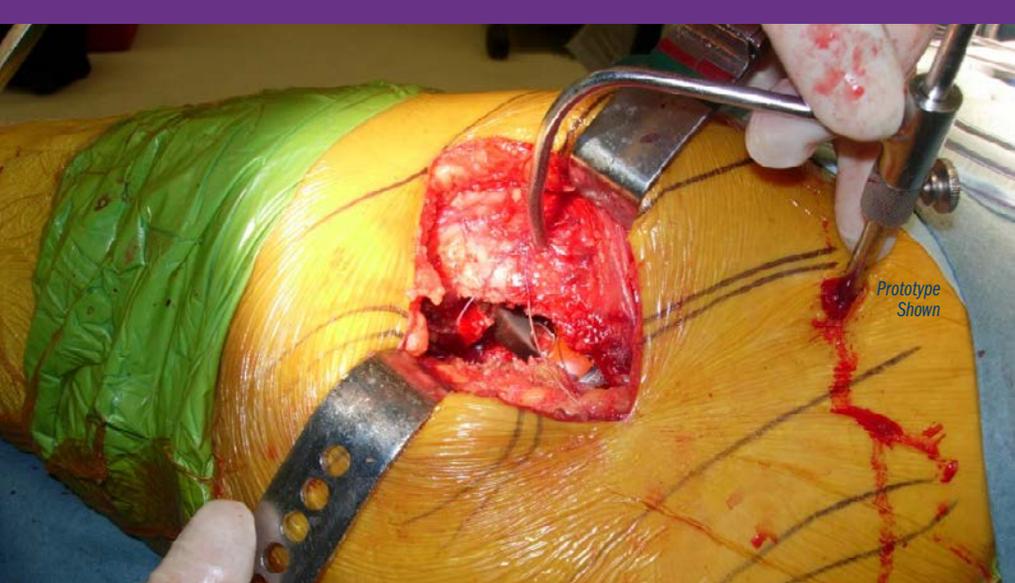
Next the Outrigger is reapplied (**Figure 7**) and the leg length and offset can be measured and compared to your pre-op plan, using the Socket Base/Cross Level unit as well to ensure the pelvic position is unchanged.

Adjustments to implants, neck lengths or liner options can be performed and the results re-evaluated.

Once acceptable, proceed with final implantation of implants.

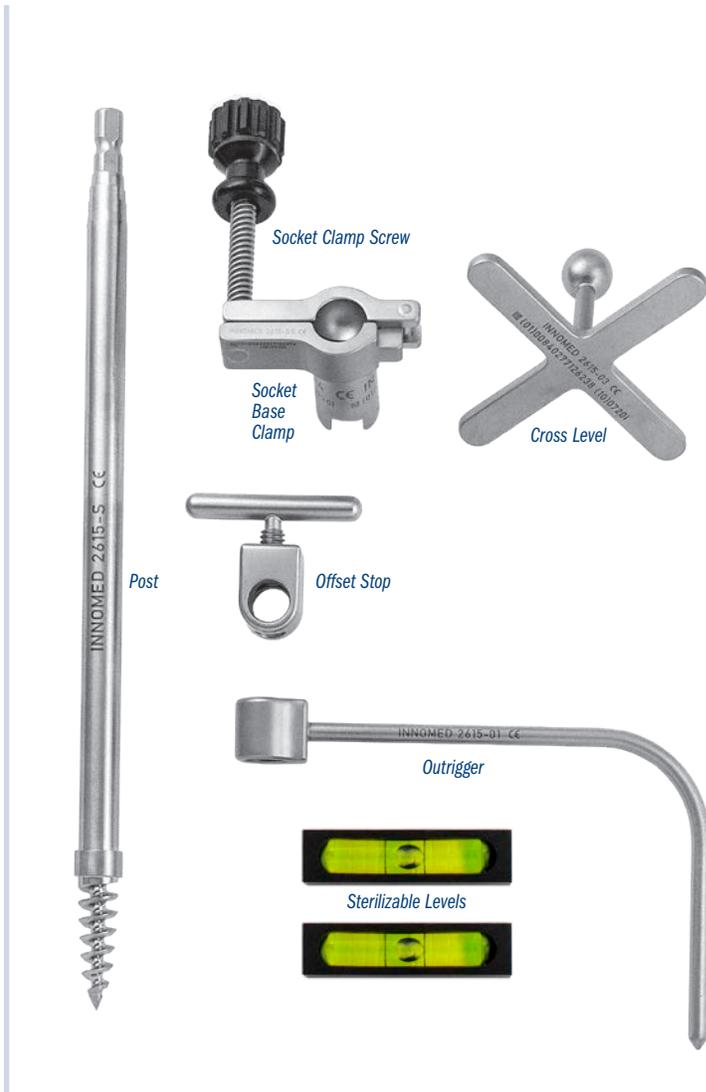
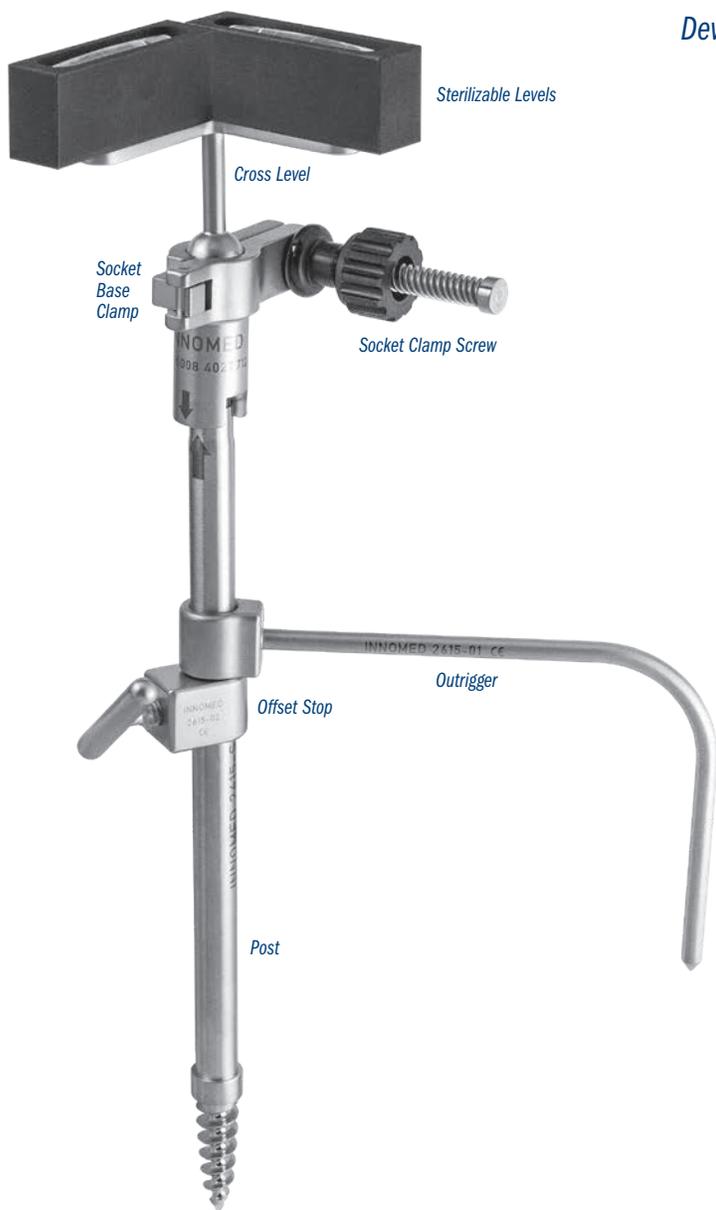
Re-assess leg length and offset in the same sequence as above to ensure that the surgical goals have been achieved.



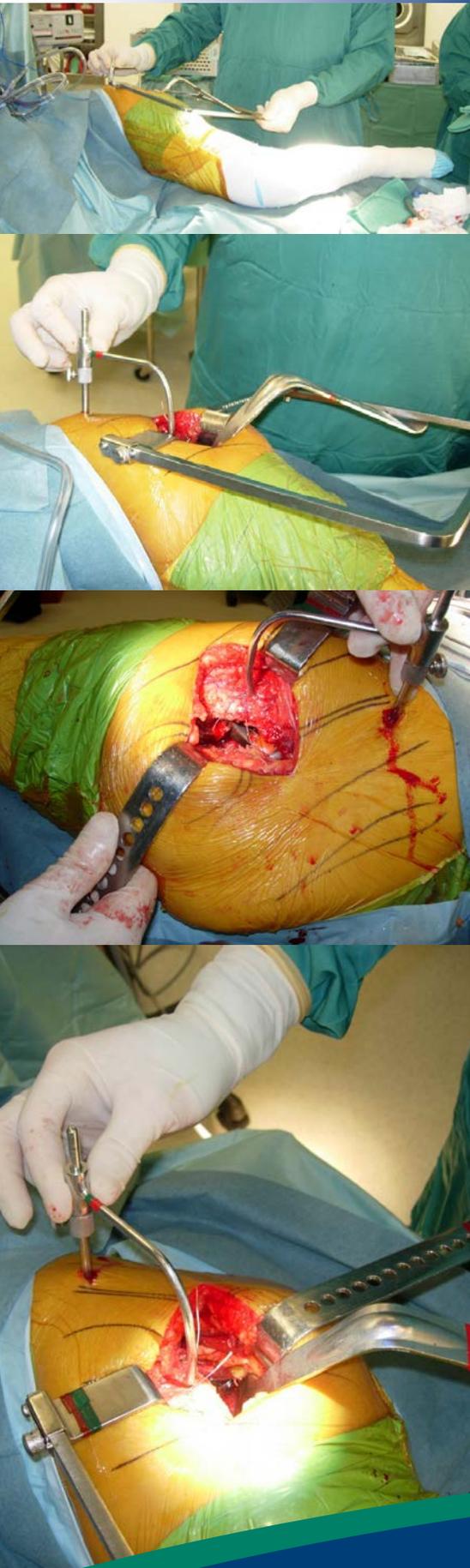


Parsley Intraoperative Leg Length/Offset Device

Device Parts



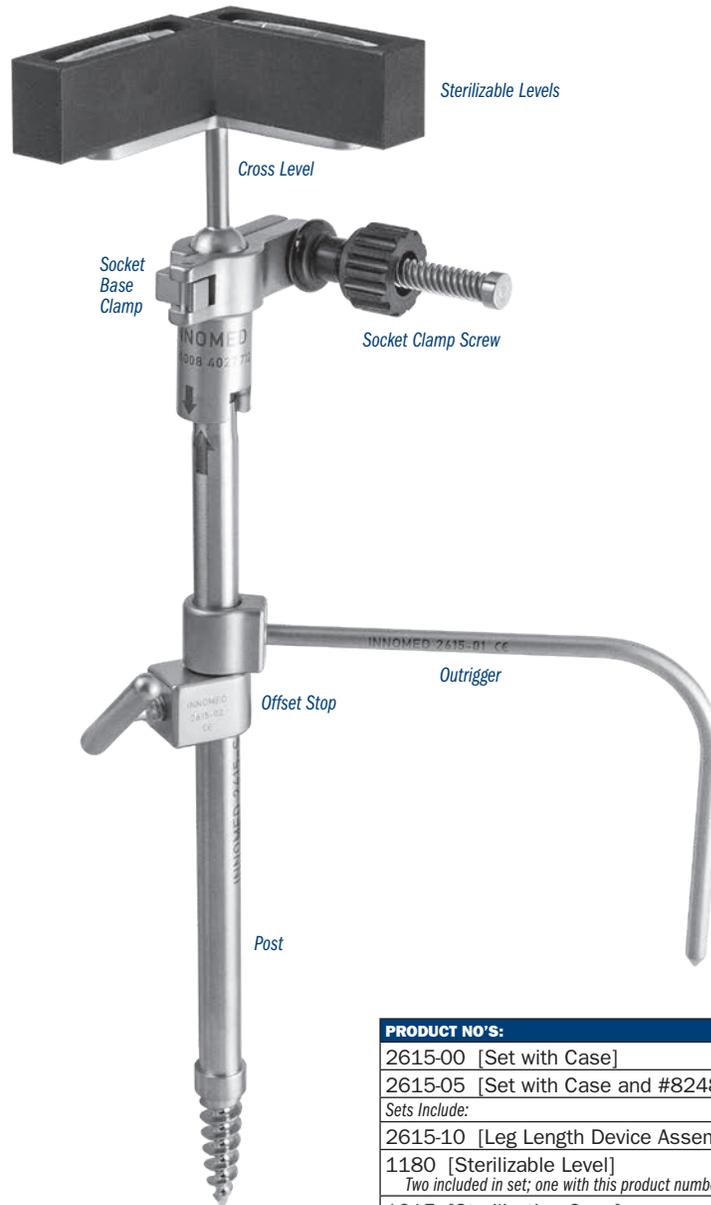
Innomed, a manufacturer of surgical instruments, does not practice medicine and does not recommend this or any other surgical technique for use on a specific patient. The surgeon who performs any procedure is responsible for determining and utilizing the appropriate techniques for such procedure for each individual patient. Innomed is not responsible for the selection of the appropriate surgical technique to be used for an individual patient.



Parsley Intraoperative Leg Length/Offset Device

Designed by Brian S. Parsley, MD

For use with lateral femoral positioned patients in both the direct lateral and posterior hip approaches, the device is designed to help with intraoperative leg length assessment, and can be placed prior to dislocation of hip and replaced following trial implantation and reduction, and again at the time of final implantation and reduction



| PRODUCT NO'S: | |
|---|--|
| 2615-00 | [Set with Case] |
| 2615-05 | [Set with Case and #8248 Fixed Driver] |
| Sets Include: | |
| 2615-10 | [Leg Length Device Assembly] |
| 1180 | [Sterilizable Level] <i>Two included in set; one with this product number</i> |
| 1015 | [Sterilization Case] |
| Optional Items (included with Set #2615-05): | |
| 8248 | [Fixed Driver with Zimmer Hall Quick-connect] <i>Overall Length: 5.75" (15,6 cm) Handle Width: 4.625" (11,6 cm)</i> |

ISO 13485:2016

Scan to
Launch Our
Website



FREE TRIAL ON MOST INSTRUMENTS



103 Estus Drive, Savannah, GA 31404
www.innomed.net info@innomed.net

912.236.0000 Phone
912.236.7766 Fax

Innomed-Europe Tel. +41 41 740 67 74
Fax +41 41 740 67 71

INNOMED

1.800.548.2362