

# Cannestra Hip Length Gauge

Designed by Vince Cannestra, MD

*Helps determine leg length and hip offset in total hip arthroplasty, including minimally invasive techniques*

Set consists of one Ruler, one Pin Inserter/Extractor Handle, one 100 mm Pin, one 130 mm Pin (not shown), and a sterilization case (not shown).



130 mm Pin #1327-04



100 mm Pin #1327-01



T-Handle #1327-02



Ruler #1327-03

PRODUCT NO'S:	
<b>1327-00</b>	[Set]
<b>Set Includes / Replacement Parts:</b>	
<b>1327-01</b>	[Pin - 100mm]
<b>1327-02</b>	[T-Handle] Dimensions: 8" x 5" (20,3 cm x 12,7 cm)
<b>1327-03</b>	[Ruler]
<b>1327-04</b>	[Pin - 130mm]
<b>1025</b>	[Sterilizable Case]



**\* Accuracy Statement for devices with a measuring function:**

Devices with a measuring function are considered non-critical, non-calibrated, and are intended for reference-only measurements. While it provides a helpful visual guide for relative measurements, it is not calibrated to specific precision standards. Measurements taken with this device should not be considered accurate enough for critical applications requiring strict dimensional tolerances. General manufacturing tolerances of  $\pm 1\%$  at each graduation, or 2% of the full scale apply, but no conformance qualifications are provided or implied.

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ISO 13485:2016

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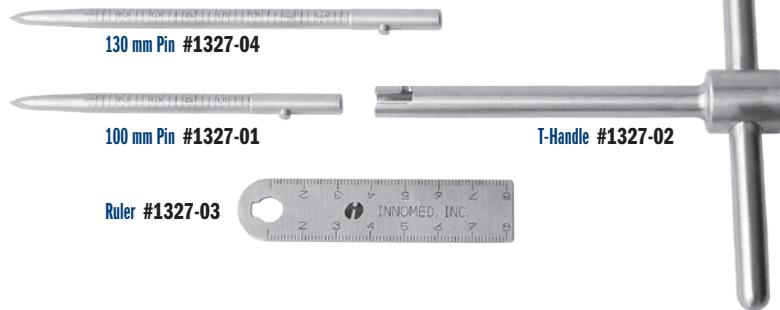
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# Cannestra Hip Length Gauge

Designed by Vince Cannestra, MD

Helps determine leg length and hip offset in total hip arthroplasty, including minimally invasive techniques



After incising the hip capsule prior to dislocating the hip, the graduated bone pin is inserted just proximal to the acetabular roof from the lateral direction ("A" in Figs. 1 & 2).

The legs are aligned together so that the patellae and heels are collinear and so that the position can be duplicated later in the course of the procedure.

The ruler is inserted over the bone pin until it lays flush on top of or level with the vastus tubercle of the greater trochanter. (Figs. 1 & 2)

The initial hip offset is noted from the markings on the bone pin at the point it intersects with the ruler (Fig. 3). A reference point or mark is made along the ruler as it lays on the greater

trochanter to indicate initial leg length. A stitch or electrocautery mark may suffice to tag the soft tissue at this reference point, i.e. 5 cm. along the ruler (Fig. 3).

The ruler is removed, the hip dislocated and the total hip arthroplasty performed.

Once the trial components or prosthetic implants have been inserted, the legs are realigned as before and the ruler is again inserted over the bone pin. Any change in the level of the ruler along the bone pin will indicate the amount of change in the hip offset (Fig. 4). The closer the ruler is towards the end of the bone pin, the greater the hip offset. Any change in position of the reference mark from its original location along the ruler will determine the relative lengthening or shortening of the leg (Fig. 4).

Fig. 1

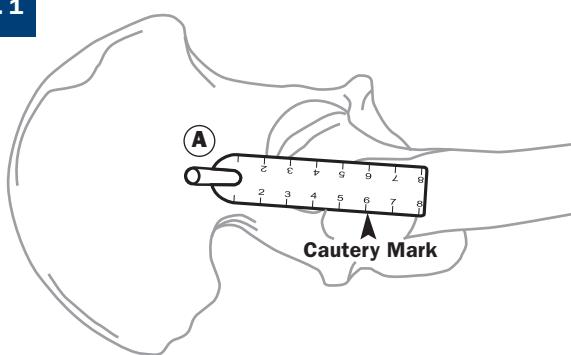


Fig. 2

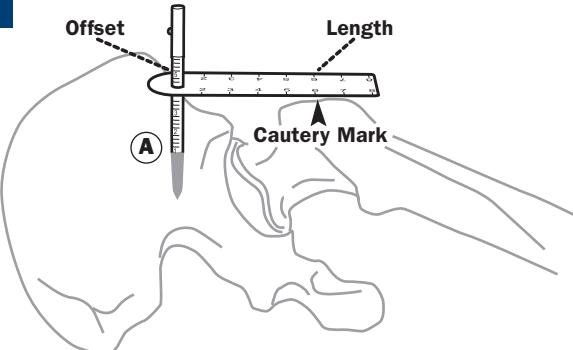


Fig. 3

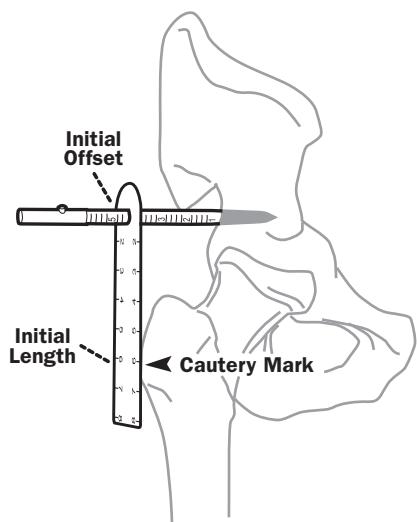
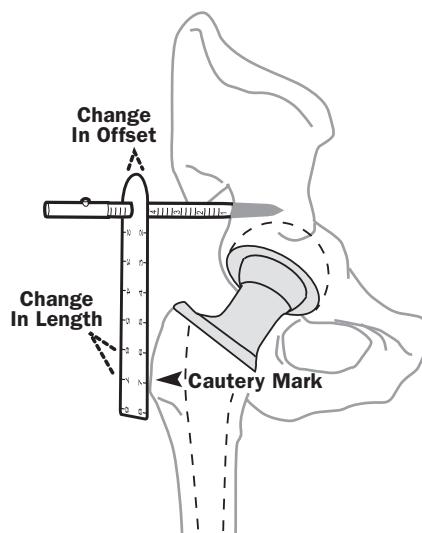


Fig. 4



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