I-Beam Nail advertisement.

[s.l.]: [s.n.], 1969

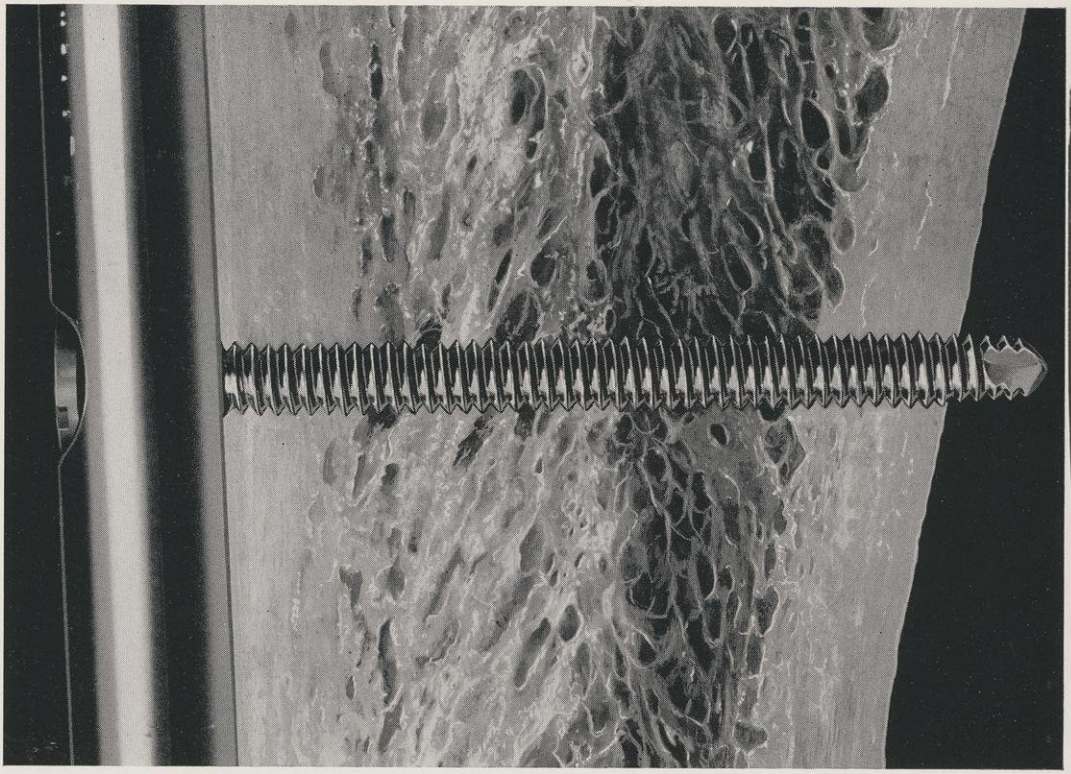
Evaluate the I-Beam Nail for Intertrochanteric Fractures

Many types of appliances from numerous manufacturers are evaluated in our laboratories.

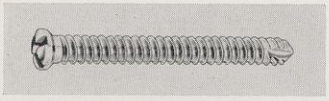
The Sarmiento I-Beam Nail-Plate has proved superior in providing fixation for early rehabilitation.[1] The Nail forms an angle of 150 degrees with the axis of the shaft and is parallel to stress lines of the dense calcar femorale. The crisp biting edge of the solid I-Beam design seems to resist rotation and provides stability against migration. Sarmiento concludes: "It appears from this small series (100) that a large percentage of patients suffering from intertrochanteric fractures can begin to walk with one crutch or one cane shortly after surgery without interfering with union or jeopardizing the position of the nail and the fragments."[1]

Our strong dedication to excellence is responsible, in part, for your opportunity to use a Zimmer appliance with confidence in its integrity.

1. Sarmiento, A., One Hundred Fifty Degree-Angle-Plate Fixation and Early Rehabilitation: A Preliminary Report of 100 Cases; JBJS Vol. 45-A, No. 4, pp. 706-722, June 1963.



How significant is the Zimmer bone screw?



Zimmer quality becomes visually apparent when our bone screws are viewed on the optical comparator.

In discussions on internal fixation: bio-mechanics, weight bearing, shear forces, ambulation, necrosis, union, impaction, reaming and angulation are all topics which pre-empt comments on the significance of the bone screw itself. Zimmer Bone Screws have several significant features. Full cross slot heads are concave, a convex driver retains a firm grip even when tilted off center line. A flat blade driver may be used also because the full slots extend across the entire head. Single slot screws are also available. All threads, whether coarse or fine, are accurately machined, not cast, for sharpness and the all-important serial uniformity which is necessary for the screws to cleanly engage both cortices and seat properly for solid fixation. Only 316-LVM (low carbon, vacuum melt) certified stainless steel is used assuring a highly corrosion resistant surface. Zimmer packaging is significant because no two screws are in contact with each other as they travel from our plant to your hospital. We presently have 21 different styles in 300 sizes. Each conforms to standardized measurements set by the American Standards Association. A Zimmer Bone Screw is very significant.

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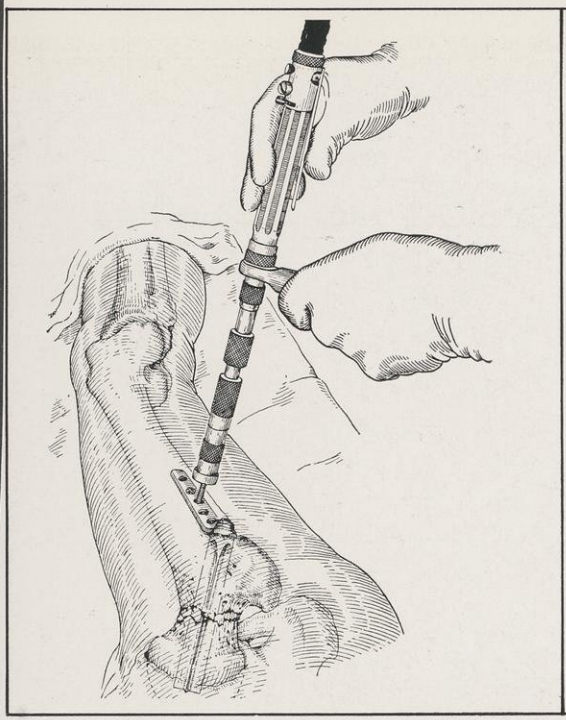
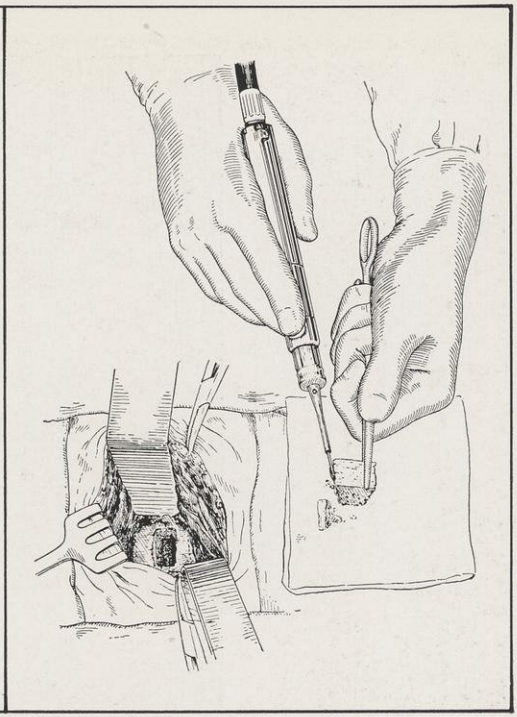


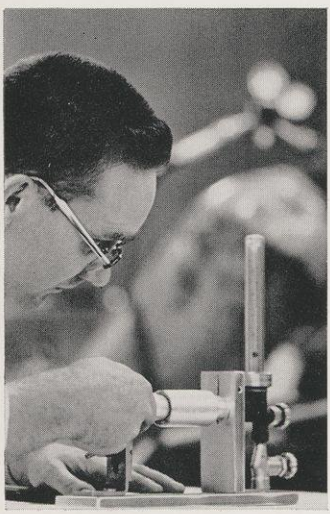


Would you place a bone screw at 90,000 rpm? Like to try sculpturing a delicate bone plug at 200 rpm?

Some procedures require torque, a lot of it, applied slowly and carefully. In others, delicate high-speed "wipe away" power is advantageous to precision bone cutting. That's why we have two precision air instruments for orthopedics. To design one which is capable of meeting all of your demands would make a clumsy device, indeed. The Hall Orthairtome® (0 to 350 rpm) is highly effective for reaming the acetabulum or intramedullary canal. It slowly and carefully places Kirschner wires and threaded appliances with forward and reverse rotation which is commanded at the fingertips with a variable speed control. The Hall Orthairtome® has been called a "calculating air surgery instrument with the deft feel of hand tools".

Much smaller and even more delicate is the 6½ ounce Hall Surgairtome® (90,000 to 100,000 rpm). The high speed, wipe away cutting power of the Surgairtome* is available instantly in operating sites of minimal size with unusually close approximation of soft tissue. A full compliment of burs minimizes the surgeon's time in many difficult bone cutting procedures.

If you would like to see, first hand, how valuable air surgery can become to you, ask your Zimmer distributor for a demonstration.



Every air surgery instrument is carefully tested.

*Formerly called the Hall Air Drill.

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