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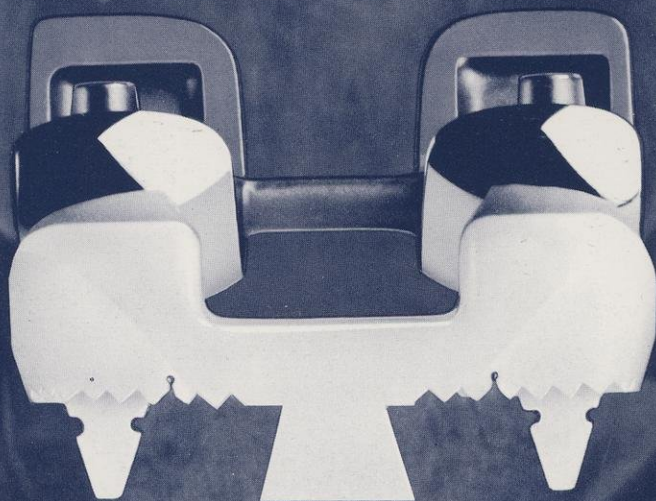
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A Significant Advance

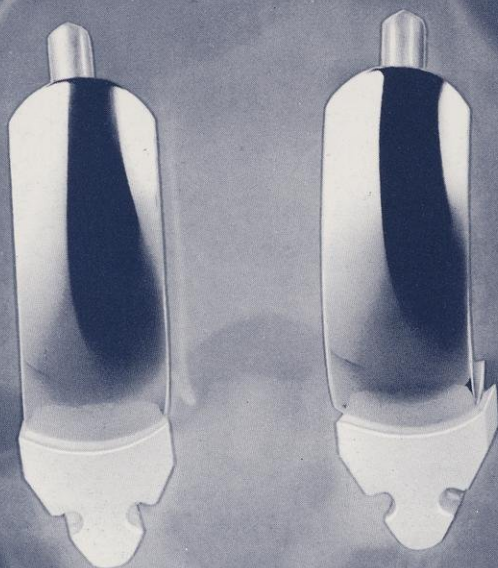


Vitallium® Geomedic® Total Knee Prosthesis

- Designed for a natural feeling of stability in motion
- Allows retention of cruciate and collateral ligaments
- Angle deformity correction up to 40°
- Correction of extension and flexion contractures

Howmedica

Wider Bearing Surfaces For Greater Stability And Decreased Bearing Pressure



Vitallium[®] New Wide-Track Polycentric[™] Total Knee Prosthesis

- Line weight bearing for reduced stress
- Better weight distribution
- Contracture correction up to 15°, axial rotation of about 20°
- Permits orientation to anatomical variations
- Permits multiple centers of rotation simulating natural knee function

Howmedica, Inc.

MEDICAL DIVISION

RUTHERFORD, NEW JERSEY 07070

CANADIAN HOWMEDICA LTD., Guelph, Ontario, Canada

HOWMEDICA (UK) LTD., London, England

HOWMEDICA INTERNATIONAL INC., Kiel, West Germany

HOWMEDICA INTERNATIONAL INC., Shannon, Ireland

HOWMEDICA MANAGEMENT & TECHNICAL SERVICES LTD., Stanmore, England

AUSTRALIAN HOWMEDICA PTY. LTD., St. Leonards N.S.W., Australia

**Designed for Ease of Insertion,
Stability and Simplicity**



**Vitallium®
Compression Hip Screw System**

Howmedica

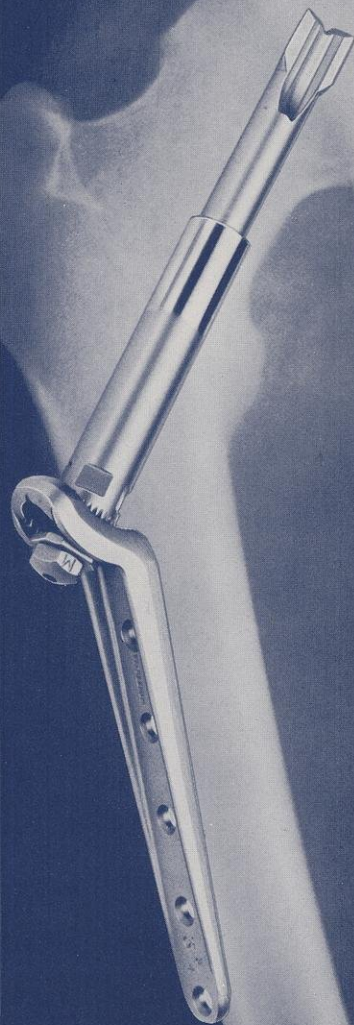
Vitallium® Sliding Nail System



Fixed Angle Plate



Fixed Angle Slotted Plate



Variable-Angle Sliding Nail

Vitallium® Sliding Nails telescope as the ends of the fracture impact, thus helping the bone heal faster and eliminating the possibility of the nail penetrating the acetabulum.

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For fractures of the proximal femoral shaft

Zickel Appliance

Vitallium® Alloy

- An intramedullary device useful for a wide variety of fractures of the femur in the subtrochanteric and proximal shaft area.
- Stronger immobilization permits earlier ambulation.
- Controls angulation and rotation.
- Prevents medial migration of the femoral shaft.
- Made of Vitallium® Alloy, proven by over 35 years of clinical experience.
- Available only from Howmedica.

Results: After 9 years' experience at several hospitals, this device has been used to stabilize the femur for a wide variety of fractures and lesions of the proximal shaft. The use of a strong intramedullary rod, which can be anchored to the head and neck of the femur, has been particularly successful in the pathological subtrochanteric fracture. Early ambulation, high rate of union, and elimination of medial migration of the femoral shaft have been strong features of this appliance.

Developed by Robert E. Zickel, M.D., St. Luke's Hospital, New York, N.Y.

For further information, contact your
Howmedica Sales Representative or:

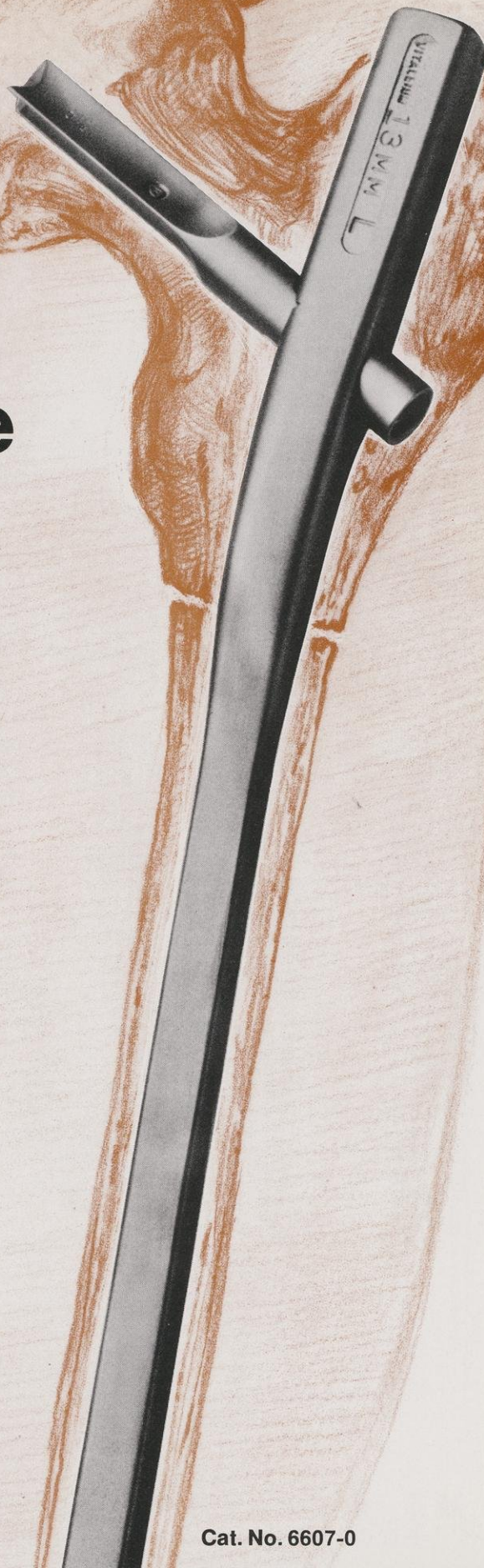


Howmedica, Inc.
Orthopaedics Division

359 Veterans Blvd., Rutherford, N.J. 07070

The world's leader in orthopaedic biomechanical
research, development and service.

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