READY FOR ANYTHING
A WORLD OF PLATING SOLUTIONS
READY FOR ANYTHING

ELEVATING PLATING WITH PATIENT-CENTERED INNOVATION

Fueled by close collaboration with surgeons around the world, DePuy Synthes has a history of insight-driven technologies that allow you to address even the most challenging clinical cases.

- Thinnest locking plates with the Variable Angle Locking Hand System
- First to innovate with locked plating technology
- First to market with a contoured rib plating system, the MatrixRIB™ Fixation System

References:
READY FOR ANYTHING

A WORLD OF PLATING SOLUTIONS

- Proximal Humerus
- Clavicle
- Distal Humerus & Olecranon
- Distal Radius
- Hand
- Rib
- Pelvis
- Proximal Femur/Periprosthetics
- Distal Femur
- Proximal Tibia
- Distal Tibia/Fibula
- Forefoot/Midfoot
- Calcaneus
- LCP Metaphyseal
- Pediatric
- Continuous Compression Implants
- Featured Instruments

DePuy Synthes
Part of the Johnson & Johnson Family of Companies
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PROVEN CLINICAL OUTCOMES

DePuy Synthes Plating solutions are designed for performance and deliver an extensive body of clinical studies and publications. World-class Research & Development continues to drive innovation for new plating solutions.

#1 GLOBAL MARKET LEADER

Best-in-class Products

30 MILLION Procedures

1200+ CLINICAL STUDIES & Published Articles

READY FOR ANYTHING

ADVANCING PATIENT CARE

• Versatile portfolio with approximately 3,000 plates addresses a wide range of clinical areas, including fracture care, fusions, and corrective procedures covering all extremities

• Specific plating technologies to address fractures and osteotomies for adolescent and pediatric patients

• Portfolio includes both Titanium and Stainless Steel options

SERVICE AND UNPARALLELED PROFESSIONAL EDUCATION

• Industry-leading field sales organization, unequaled service to meet the needs of surgeons and OR personnel

• The Johnson & Johnson INSTITUTE provides surgeons and OR personnel a wide variety of professional education opportunities to maximize skills and efficiency
READY FOR ANYTHING

DESIGNED FOR SIMPLICITY

• Variable angle and standard locking achieved without the cost or additional surgical steps associated with locking caps, bushings, or tapping threads into plate holes before locking

• All plating systems utilize a common design approach to implants and instruments, making training easier for OR personnel
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DESIGNED FOR SIMPLICITY

• Core instrument sets for small fragment, large fragment, and mini fragment plating are designed to simplify set management. A centralized set of instruments designed for reduced need for training and efficiency in the OR. Modular graphic case configurations to facilitate procedures.

• Color-coding of instruments designed to ease identification of related instruments and help reduce procedural complexity.
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DESIGNED TO REDUCE SOFT TISSUE IRRITATION AND PLATE-TO-BONE CONTACT

• Undercuts on the bottom of the plate are designed to reduce plate-to-bone contact and provide more uniform plate bending

• In anatomic areas with low soft-tissue coverage such as the hand, wrist, elbow, foot, and ankle, our variable angle screw head is designed to be recessed in the screw hole, thus reducing prominence and potentially reducing the risk of soft tissue irritation
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EVIDENCE-BASED PLATE DESIGN

• The anatomic shapes of our plates have been refined through the use of technology such as CT analysis of skeletal bones and extensive cadaver studies
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VARIABLE ANGLE LOCKING TECHNOLOGY DESIGNED TO:

• Direct screws away from a prosthesis in the hip and knee
• Target fragments with higher bone quality
• Select ideal screw placement in small bony fragments
• Optimize screw position after plate bending
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VARIABLE ANGLE LOCKING TECHNOLOGY

• Threaded locking designed for stable fixation
• Over 600 different variable angle locking plating options

Variable angle locking screws can be angled anywhere in a 30° cone around the central axis of the plate hole

Combi holes can be used with locking screws or with cortex screws to provide compression

*US PATENTS: 834319, 8845698, 8876873, 8852245, 9295505, 8758346, 8574268

Variable Angle LCP Combi Hole

LCP Combi Hole

Variable Angle LCP Combi Hole
FEATURED PLATING SOLUTIONS

PROXIMAL HUMERUS
3.5 MM LCP® PROXIMAL HUMERUS PLATE

- Nine proximal locking options with a diverging and converging screw pattern designed to optimize stability
- World’s first locking proximal humerus plate, resulting in over 850,000 implantations around the world
- Mean healing rate of 96-100% and a median rate of >99%, based on systematic literature review of over 3,800 patients

3.7 mm cannulated locking screws allow controlled insertion and simplified technique compared to standard 3.5 mm locking screws

CLAVICLE

• An extensive portfolio with 38 different plating options, including VA LCP Anterior Clavicle Plates, LCP Superior-Anterior Clavicle Plates, and LCP Superior Clavicle Plates

• Rounded plate profile designed to minimize the risk of soft tissue irritation

• VA LCP Anterior Clavicle Plates specifically designed to facilitate easier in-plane bending

• LCP Clavicle Hook Plate for ACJ injuries with or without clavicle fractures, offering an additional 20 plating options with three different hook depths
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DISTAL HUMERUS & OLECRANON
2.7/3.5 MM VARIABLE ANGLE LOCKING ELBOW SYSTEM

- Precontoured plate shapes developed by analyzing approximately 130 skeletal bones
- 2.7 mm low-profile metaphyseal screws with improved pull-out strength compared to a standard cortex screw
  - System includes Lateral, Medial, Extended Medial, and Posterolateral Distal Humerus Plates

*Benchtop tests do not necessarily reflect clinical results.

3 fracture-specific proximal ulna plates
Additional solutions for the distal radius include the LCP Wrist Fusion Plate, Wrist Spanning Plate, 2.7 mm Ulna Osteotomy System, and the 2.0 mm Distal Ulna Plates with distal hook.

* The VA LCP® Two-Column Distal Radius Plates are the best-selling radius plates of DePuy Synthes. The remaining 20% of cases may require the use of alternate implants depending on the complexity.

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VARIABLE ANGLE LOCKING HAND SYSTEM

- Versatility with broadest hand portfolio on the market and the first system featuring dedicated lateral plates to help avoid tendon insertion points.

- System consists of 40 plates including lateral and dorsal application. Variable angle locking technology in 1.5 mm and 2.0 mm sizes.

- 1.3 mm locking plates are the thinnest locking plates available in the market.

- Low-profile and precontoured plates designed to reduce the potential for soft tissue irritation.

- Dedicated instruments aid in plate application, fracture reduction, and lag screw application. Specialized reduction forceps maintain reduction of metacarpal and phalangeal bone fragments while allowing insertion of lag screws through the barrel of the forceps.

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MatrixRIB™ Fixation System

- Patented, anatomically contoured plates match unique geometry of ribs*
- Plates designed to match stiffness of cadaveric osteoporotic ribs allowing for flexibility of the rib cage
- First anterior plating system with nearly 10 years of clinical use
- First system to provide minimally invasive instrumentation for plate placement

*MatrixRIB Fixation System Patents 8734492, 8313517, 7785355, 8740903
3.5 MM LOW-PROFILE PELVIC SYSTEM

- Wide range of low-profile reconstruction and precontoured pubic symphysis plates
- Curved Reconstruction plate available in two radii (88 mm and 108 mm) to fit the average pelvis of a female or male, respectively
- Retractors, including pelvic, Hohmann, sciatic nerve, and malleable
- Range of pelvic reduction forceps and in situ benders
- Long 3.5 mm Pelvic Cortex Screws available up to 150 mm in length
Ready for Anything

Proximal Femur/Periprosthetics

- Broad range of plating solutions for the proximal femur include the 4.5 mm LCP Proximal Femur Plate, 4.5 mm LCP Proximal Femur Hook Plate, and the 4.5 mm LCP Curved Broad Plate

3.5 mm Locking Attachment Plate

As an alternative to cerclage cables, the 3.5 mm Locking Attachment Plate (LAP) is designed to preserve the periosteal blood supply and bypasses a prosthesis stem with an angular stable solution.¹,²

Provides Stiff Bicortical Fixation for Increased Rotational Stability

- LAP is designed to provide a stronger, stiffer construct than an orthopedic cable³
- Locking capability is advantageous in osteopenic bone where screw purchase is compromised³
- Contourable arms accept 3.5 mm locking screws and 3.5 mm cortex screws
- Compatible with 4.5 mm LCP and 4.5 mm VA LCP Plates

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VA LCP CURVED CONDYLANAR PLATE

- Variable angle locking screws designed to avoid the stem of knee prosthesis in periprosthetic fractures
- Cannulated screws allow controlled screw insertion in the femoral condyles
- Specialized instrumentation for a percutaneous approach, such as a scalpel blade handle for use with the aiming arm

*Not available in all markets.
READY FOR ANYTHING

3.5 MM VARIABLE ANGLE LCP PROXIMAL TIBIAL PLATES

• Available in two bends, Small and Large Bend, to accommodate varying tibial anatomies

• Plate bends based on CT analysis of hundreds of bone specimens

• Plate head features two rows of variable angle rafting screws that are designed to:
  – Capture posterior medial fragments
  – Avoid or abut proximal tibial components in periprosthetic fracture treatment

• Long hole in the neck of the plate allows for compression, preliminary fixation, and plate adjustment

• Plate design allows for placement of two variable angle kickstand screws
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2.7 MM/3.5 MM VARIABLE ANGLE LOCKING ANKLE TRAUMA SYSTEM

• 2.7 mm Variable Angle Locking Screws offer a lower profile construct than 3.5 mm locking screws, with minimal screw head prominence distally

• Variety of plate shapes and designs for a wide range of distal tibia and fractures

• Multiple reduction options (instruments with compressor, distractor, compression, K-wires, threaded posts, and different designs of periarticular reduction forceps)

STAINLESS STEEL

VA LCP Distal Fibula Plate offers a low-profile design and 2.7 mm Variable Angle Locking Screws distally
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2.4 MM/2.7 MM VARIABLE ANGLE FOREFOOT/MIDFOOT SYSTEM

• System consists of 48 procedure-specific and general plates designed to address a wide range of procedures, including osteotomies, fusions, and fractures

• Variety of plate shapes, including Straight, X-, T-, L-, Cloverleaf, 1st MTP Fusion, TMT Fusion, Opening Wedge, Tarsal and Mesh Plates, provide the surgeon with flexibility in finding treatment options for the complex anatomy of the foot

• Compression slot and hole within the plate minimize additional soft tissue dissection and allow final screw fixation after compression achieved

2.4/2.7 mm VA Locking X-Plate

2.4/2.7 mm VA Locking Mesh Plate features a low-profile design with a 1.8 mm plate thickness

2.4/2.7 mm VA LCP TMT Fusion Plate
2.7 MM VARIABLE ANGLE LOCKING CALCANEAL PLATING SYSTEM

- Anatomic plates designed specifically for the calcaneus with variable angle 2.7 mm screws for a lower-profile construct with minimal screw head prominence

- Plate configuration to target dense cortical bone around the perimeter of the calcaneus with screw options to target the sustentaculum and allow for a rafting construct to support the articular surface

- Multiple reduction options (through implant with locking, cortex, and metaphyseal screws, as well as with instruments such as compression forceps, distraction forceps, reduction joystick, olive wires, and wires)
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LCP METAPHYSEAL PLATES
3.5 MM AND 3.5/4.5 MM

- Plate design facilitates anatomical contouring to address the metaphyseal bone area, which consists of complex bone shapes and a thin soft tissue envelope.
- The two distal holes in the thinned area of the plate are angled at 11° towards the center of the plate, which may allow locking screws to target the epiphyseal area.
- Thin distal plate profile designed to reduce the risk of soft tissue irritation and to allow contouring.

- Distal screw holes are placed very close to the plate edge to target the metaphysis.

3.5 mm Low-Profile Cortex Screws

Distal tip of the 3.5 mm LCP Metaphyseal Plate is only 1.5 mm thick

4.5/3.5 mm LCP Metaphyseal Plate

3.5 mm LCP Metaphyseal Plate

DePuy Synthes
DePuy Synthes offers a plating portfolio specifically designed for infants, children, and adolescents.
CONTINUOUS COMPRESSION IMPLANTS—ADJUNCTIVE FIXATION TO PLATES & SCREWS

- Designed with Nitinol, a "shape memory" metal, to provide **continuous, active compression** throughout the healing process
- Allows reduction and compression prior to placement of final fixation with a plate
- Used in larger bone structures that require additional rotational stability
- Used in fragmented bones or smaller bone structures

**BME Elite® Implant**

**SPEEDTITAN® and SPEED Implants**
READY FOR ANYTHING

COLLINEAR REDUCTION FORCEPS

- Features a sliding mechanism that aids in achieving and maintaining fracture reduction in minimally invasive techniques
- Sliding mechanism accepts different attachment arms to facilitate reduction

CANNULATED PERCUTANEOUS GUIDING SYSTEM

- Guides drilling and screw insertion in the pelvic region
  - 3.0 mm cannulation allows temporary Kirschner wire fixation
  - Long drill bits and drill sleeves facilitate access
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REDUCTION CLAMPS

Curved/Straight Reduction Forceps designed for reduction of olecranon fractures

Bone Reduction Forceps for volar distal radius plates facilitate fracture reduction and plate fixation
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SCREW TARGETING CLAMP

- Compression and screw targeting in one instrument for drilling and screw insertion of solid or cannulated screws with diameters 3.5 mm through 7.3 mm. Specifically designed for compression of fracture fragments or compression of bones for arthrodesis in the foot and ankle.
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COMPRESSION/ DISTRACTION DEVICE

• Designed to apply compression or distraction through the plate
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