

A.L.P.S.[®] Proximal Humerus Plating System

Product Brochure



Two plating options for optimal subchondral support

The A.L.P.S. Proximal Humerus Plating System builds on the principle of Spatial Subchondral Support to deliver a flexible, efficient plating solution. The system creates a 3-dimensional scaffold to resist varus stress and was used successfully in its predecessors, the S³® Proximal Humerus Plating System and the DVR® Anatomic Volar Plating System. This system offers the next generation in humeral plating by offering the surgeon two plating options based on fracture pattern and preference. It is designed to minimize the risk of complications commonly associated with the treatment of proximal humerus fractures:

- Minimizes varus collapse by creating an internal subchondral support system of diverging and converging locking screws
- Minimizes articular surface screw penetration through the use of blunt-end pegs
- Minimizes subacromial impingement by using a low plate configuration that sits 2 cm distal to the greater tuberosity

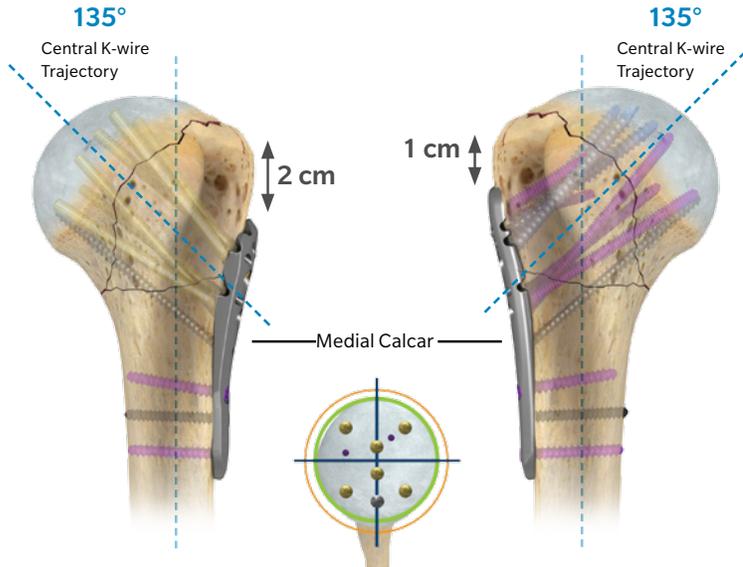
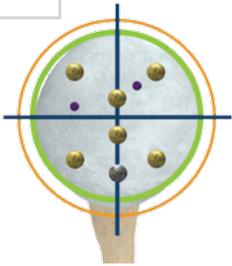
Smooth blunt locking pegs engage subchondral bone and help minimize the risk of articular surface penetration.

Suture/K-wire holes provide temporary stabilization of the fracture and suture capture of the tuberosities.

Medial calcar screw provides additional stability to the inferior medial cortex.

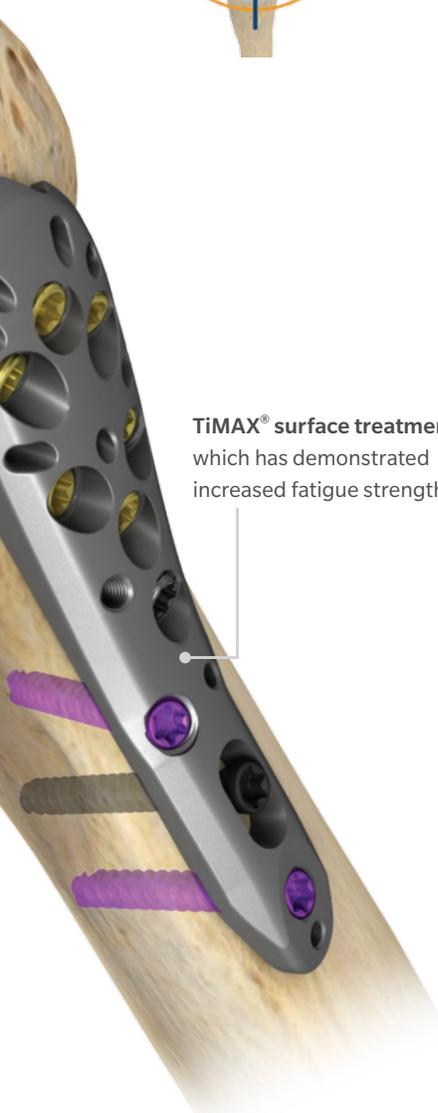


Spatial Subchondral Support helps minimize varus collapse.



The **Low Plate** sits 2 cm from the greater tuberosity to allow for a greater range of motion.

The **High Plate** sits 1 cm from the greater tuberosity and offers two additional screw holes to achieve direct screw fixation of the greater tuberosity fragment.



TiMAX[®] surface treatment, which has demonstrated increased fatigue strength.¹



Tapered, triple-lead locking and low-profile non-locking screw options provide optimal fixation. **Cobalt chrome multi-directional locking screws** allow for up to a 25° cone of angulation.

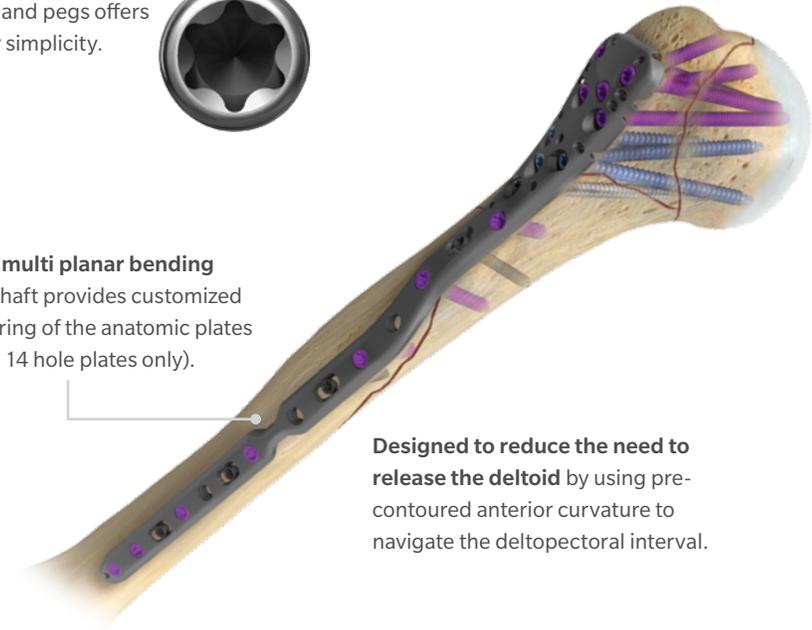


Pre-loaded, disposable F.A.S.T. Guide[®] Inserts aid in accurate drilling and offer reduced assembly, saving OR time.

A single **T15 driver** for all screws and pegs offers greater simplicity.



In-situ multi planar bending of the shaft provides customized contouring of the anatomic plates (11 and 14 hole plates only).



Designed to reduce the need to release the deltoid by using pre-contoured anterior curvature to navigate the deltopectoral interval.

References

1. Compared to 316L electropolished stainless steel, color anodized titanium and machined titanium.

Laboratory results are not necessarily indicative of clinical performance.

INDICATIONS

The Biomet A.L.P.S. Proximal Humeral Plating System is indicated for fixation of fractures and fracture dislocations, fusions, osteotomies and non-unions of the humerus, particularly in osteopenic bone.

Patient selection factors to be considered include:

1. Need for alignment and stabilization of bone fractures
2. Ability and willingness of the patient to follow post-operative care instructions until healing is complete
3. A good nutritional state of the patient.

CONTRAINDICATIONS

1. Active infection.
2. Patient conditions including blood supply limitations, and insufficient quantity or quality of bone.
3. Patients with mental or neurologic conditions who are unwilling or incapable of following postoperative care instructions or materials.
4. Foreign body sensitivity. Where material sensitivity is suspected, testing is to be completed prior to implantation of the device.

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