

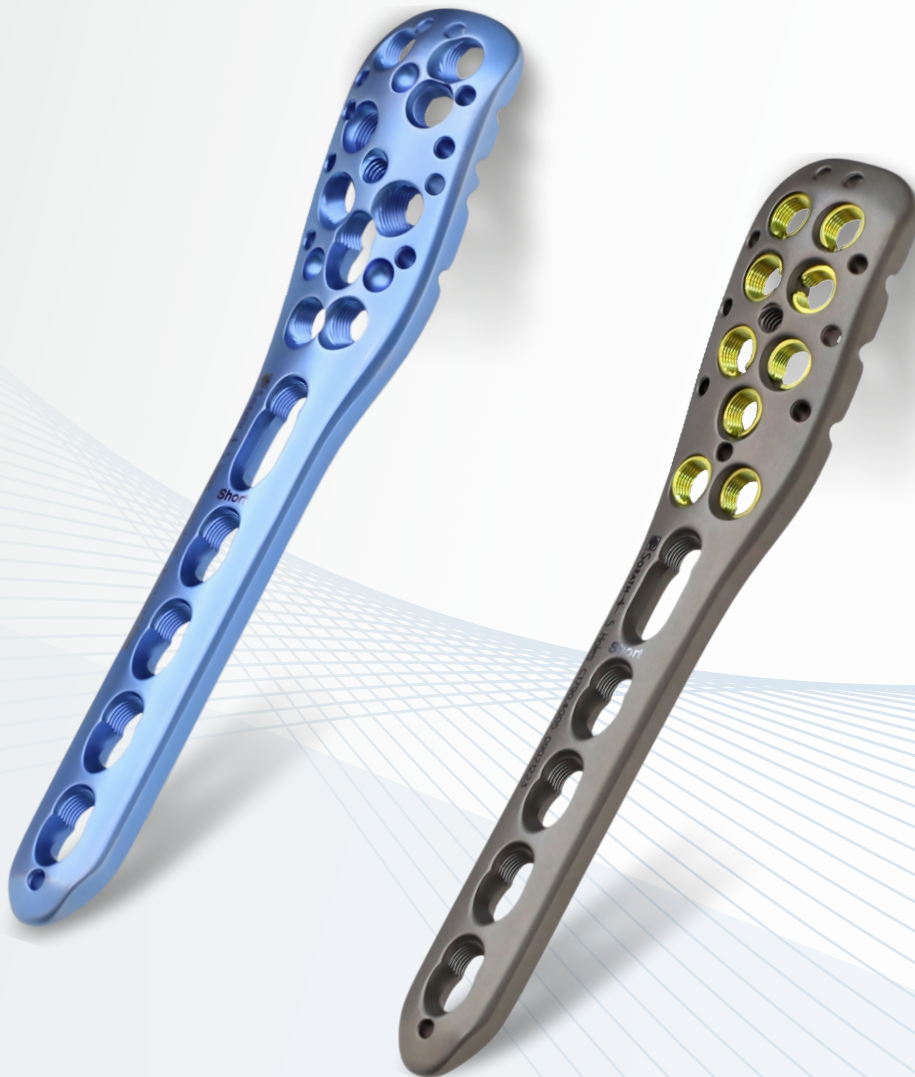


SORATH ORTHO

A DIVISION OF SIGMA SURGICAL

PROXIMAL HUMERUS PLATING SYSTEM

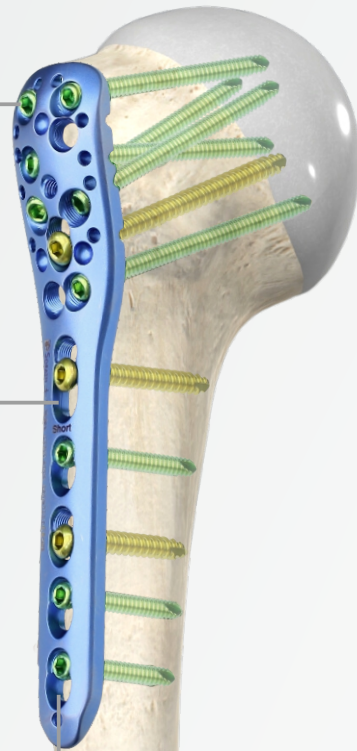
Precision and Stability for Optimal Proximal Humerus Care



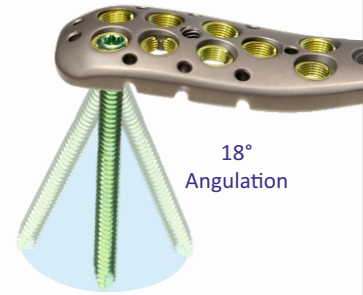
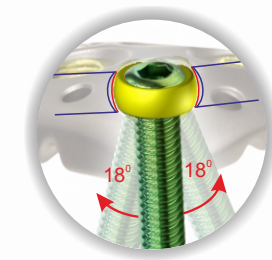
ISO 13485

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Proximal Locking Holes:
All proximal locking holes accept 3.5 mm locking screws.

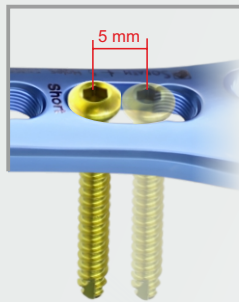


Anatomically Contoured Plate:
The plate is anatomically contoured to provide an excellent fit to the proximal humerus and is designed to be same plate used for both the left and right humerus.



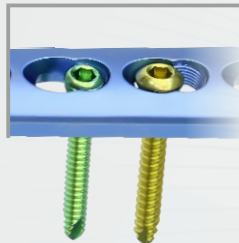
SPYROX Technology

- Variable Angle Locking:**
Features a spherical washer mechanism that allows for up to 18 degrees of variable angle locking. Surgeons can adjust the screw angle based on the specific fracture pattern and bone anatomy, enhancing precision in alignment and stability during surgery.
- Secure Fixation:**
The spherical washer expands when tapered locking screws are inserted, securely locking them to the plate. This mechanism ensures strong fixation, promoting effective bone healing and reducing the risk of implant failure.
- Flexibility in Screw Placement Angles:**
Offers surgeons flexibility in screw placement angles, accommodating diverse patient needs. This technology optimizes surgical outcomes by facilitating accurate and stable fixation of fractures, ensuring optimal alignment and stability during surgery.



Elongated Combi Holes:
The elongated combi holes in the plate shaft, with a 5.0 mm dynamic compression slot, accept 3.5 mm cortical screws for shaft fracture reduction by proximal/distal translation of the plate with respect to fixing a bone on the opposite end. These holes also accept 3.5 mm locking screws if required.

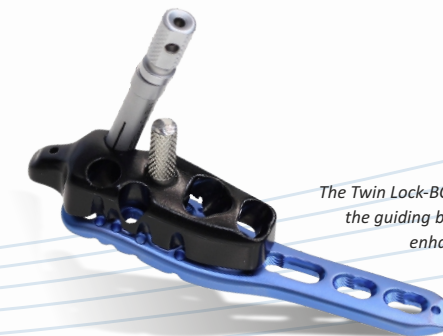
Peripheral Suture Holes:
Ten suture holes around the perimeter of the proximal end allow for the passing of sutures to aid in reduction and soft tissue reattachment, supporting proper healing and maintaining joint stability. This design promotes better overall recovery and functional outcomes.



Combi Holes:
The combi holes in the plate shaft accept 3.5 mm fixed-angle locking screws in the threaded portion or 3.5 mm cortical screws in the dynamic compression unit (DCU) portion.

Distal K-wire Hole:
A distal K-wire hole helps stabilize the plate during the procedure.

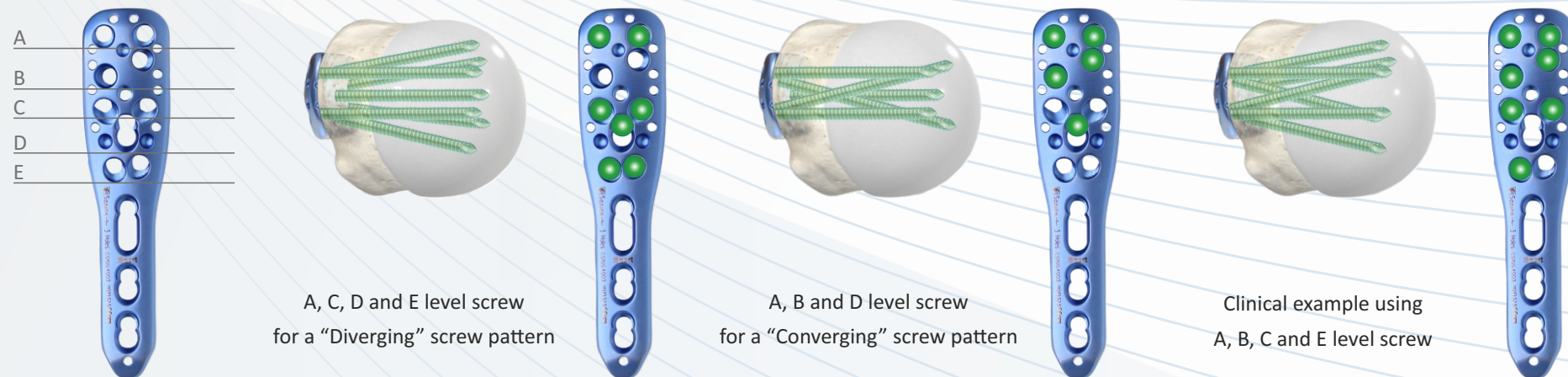
Bevelled Tip:
The plate has a bevelled tip for easy insertion and is suitable for minimally invasive surgery (MIS).



Guiding block & Block Sleeve:
The Twin Lock-BCP Proton Proximal Humerus Plate securely holds the guiding block, which ensures precise screw alignment and enhances procedural efficiency by securely stabilizing screws during insertion. This feature reduces surgical time and minimizes the risk of misalignment or displacement.

Multipoint Proximal Fixation:

- Provides flexibility in screw placement for various constructs and fixation points to support the humeral head.
- Features a strut screw locking hole for longer screw insertion, enhancing stability and bio-mechanical support at critical points.
- Utilizes converging and diverging locking screw patterns to increase pull-out strength and distribute forces effectively across bone, enhancing stability and optimizing bio-mechanical function.
- Based on different converging and diverging locking patterns, the A-E levels are categorized to facilitate the study of various clinical examples



A, C, D and E level screw for a "Diverging" screw pattern

A, B and D level screw for a "Converging" screw pattern

Clinical example using A, B, C and E level screw

Indications:

The Proximal Humerus Plating System is designed for various conditions affecting the proximal humerus, including complex fractures, fracture dislocations, bone nonunions and osteotomies. It provides robust support and alignment for proper healing, stabilizes bone and joint during recovery, aids in achieving union in nonunions, and corrects bone deformities to restore normal function.



SPYROX Proton Proximal Humerus Plate

- 3, 4 & 5 Holes (Black-Coloured Plate with Yellow-Coloured Washer)
C17904003 to C17904005 (Ti)



Twin Lock-BCP Proton Proximal Humerus Plate, Short

- 3, 4 & 5 Holes (Blue Coloured Plate)
C01004003 to C01004005 (Ti) C01001003 to C01001005 (SS)



Twin Lock-BCP Proton Proximal Humerus Plate, Long

- 5, 6, 8, 10 & 12 Holes (Blue Coloured Plate)
C00604005 to C00604012 (Ti) C00601005 to C00601012 (SS)



Twin-Lock BCP Screw, Dia. 3.5 mm

- 12 - 50 mm (2 mm Variation in size), 55 - 85 mm (5 mm Variation in Size)
A16504012 to A16504085 (Ti) A16501012 to A16501085 (SS)



Corticle Bone Screw, Dia 3.5 mm

- 12 - 50 mm (2 mm Variation in size), 55 - 70 mm (5 mm Variation in Size)
A16844012 to A16844070 (Ti) A16841012 to A16841070 (SS)



Twin Lock-BCP Cancellous Screw, Dia 3.5 mm

- 30 - 80 mm (5 mm Variation in size)
A18504030 to A18504080 (Ti) A18501030 to A18501080 (SS)



Twin Lock-BCP Screw, Dia 3.7 mm, Cannulated

- 30 - 50 mm (2 mm Variation in size), 55 - 80 mm (5 mm Variation in Size)
A19804030 to A19804080 (Ti) A19801030 to A19801030 (SS)

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 * Sigma Surgical is not responsible for differences between the information in the Catalogue and the actual implants.

Manufacturing Facility :

SIGMA SURGICAL PRIVATE LIMITED

Survey no:1636/1,Opp. Bharat petrol pump,
Indore highway, Village-Kuha,
Taluka-Daskroi, Ahmedabad-382433.
Gujarat, India. 📍: 22.99946, 72.78633

Customer care :
+91-7575011006 / +91-8866211414

www.sorathortho.com
info@sorathortho.com