

DISTAL ELBOW SET



Manage all distal elbow fracture-dislocations
with one comprehensive system

5 SYSTEMS

2 TRAYS

1 SOLUTION

TRAY A

GENERAL INSTRUMENTS



PROXIMAL ULNA PLATE

IJS-ELBOW

TRAY B

ALIGN[®]

REDUCT[®]

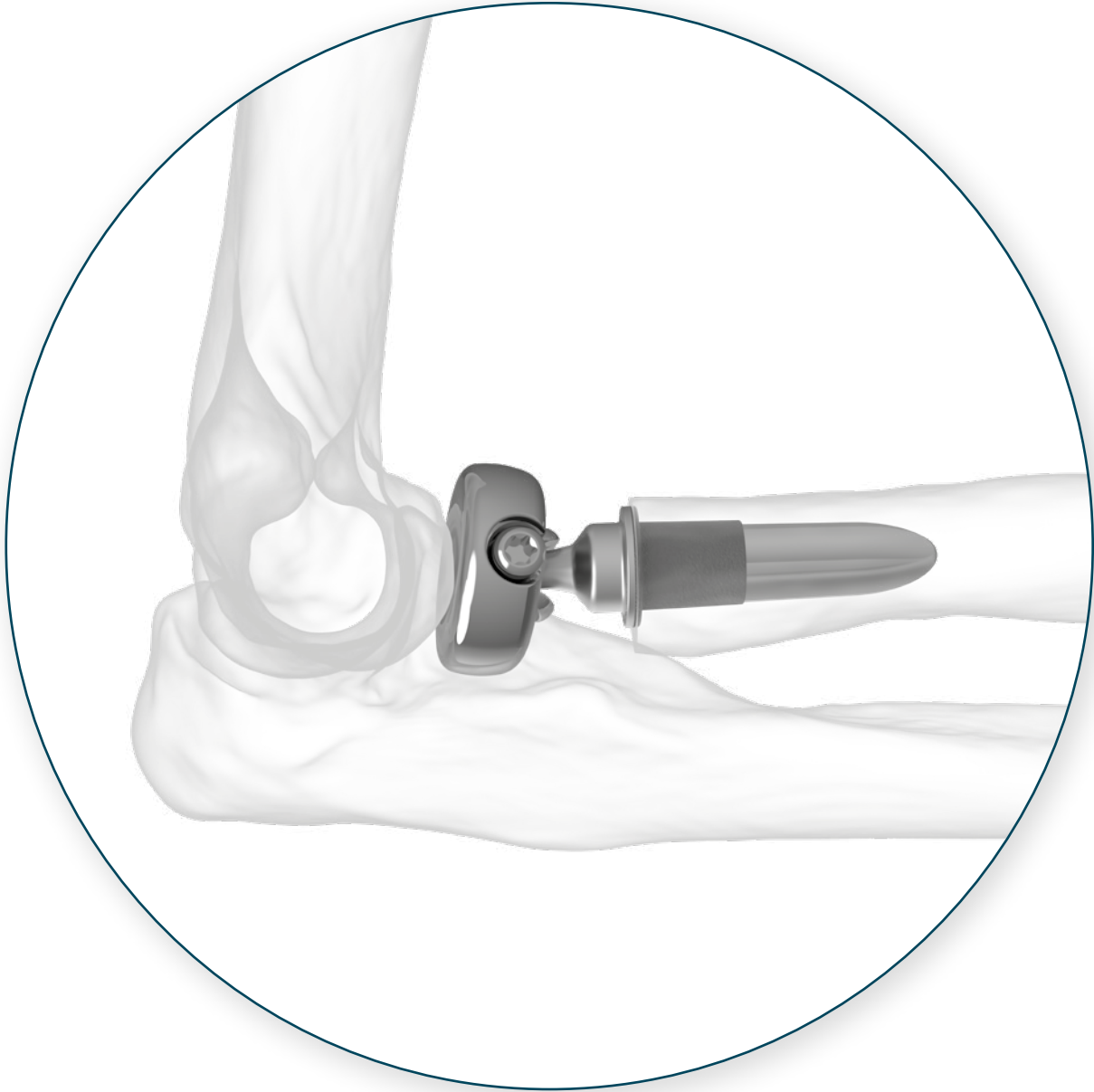


PROTEAN[®]



ALIGN[®]

radial head system

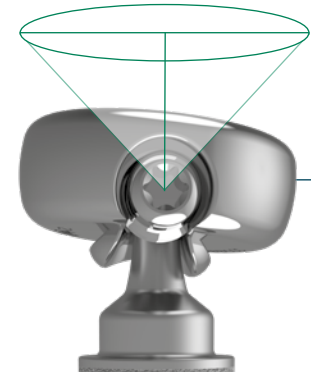
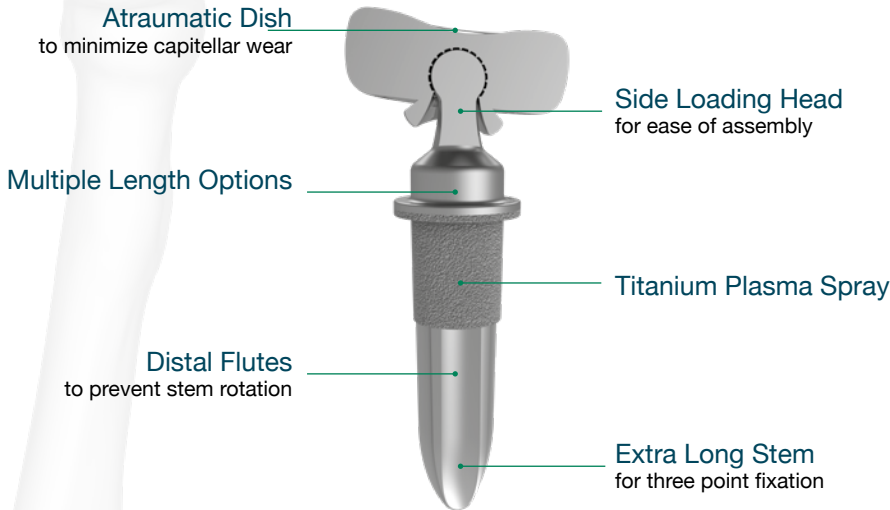


ALIGN the radial head to the axis of forearm rotation

A stable monoblock aligned to preserve the capitellum secured by a longer stem for lasting fixation

A monoblock implant customized to mimic the patient's natural anatomy

Adjust 10° in any direction then lock construct with head locking screw



5 HEAD DIAMETERS
18mm - 26mm

5 NECK OFFSETS
15mm - 23mm

5 STEM DIAMETERS
7mm - 11mm

Guide aligns implant to the axis of forearm rotation



ALIGN Radial Head

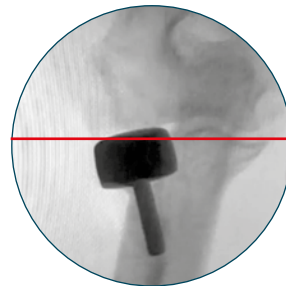
Static Monoblock Implant



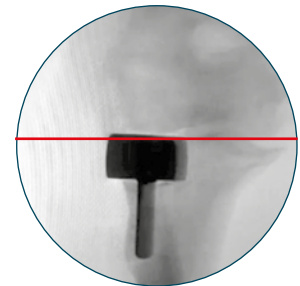
Pronation



Supination



Pronation



Supination



IJS[®]-ELBOW

elbow stabilization system



Dynamic internal fixator for the unstable elbow

Permits early, active motion and protects repaired soft tissues without ex-fix related complications^{1, 2}

Preassembled construct for easy, internal application

Base Plate Assembly

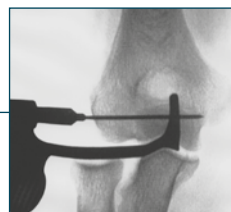
Axis Pin



1 PREASSEMBLED
BASE PLATE

9 AXIS PIN LENGTHS
30mm - 70mm

Centering guides pinpoint the axis of rotation



Low profile construct



REDUCT[®]

headless compression screw



Control your compression

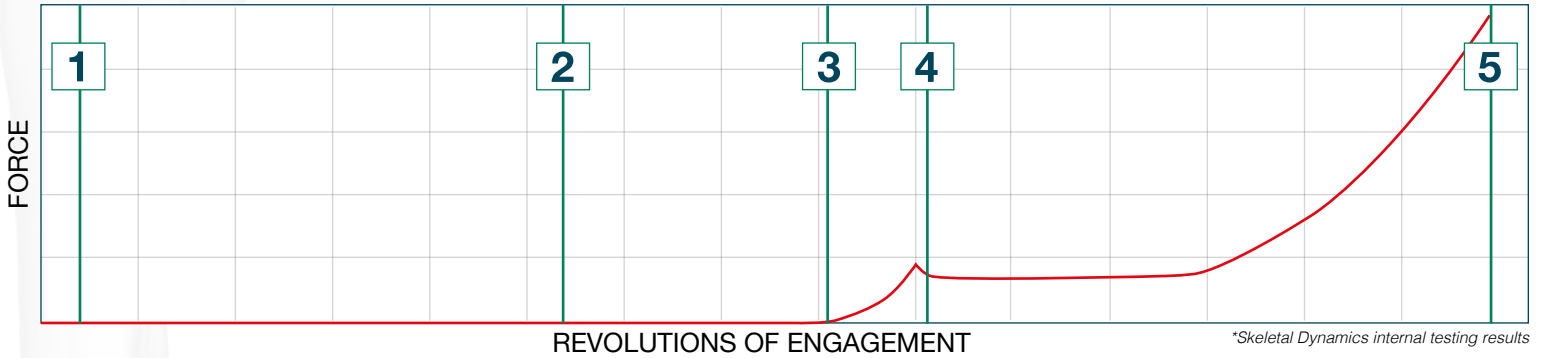
All headless compression screws are not created equal

Unique design provides a more precise, controlled compression than continuously variable pitched screws*

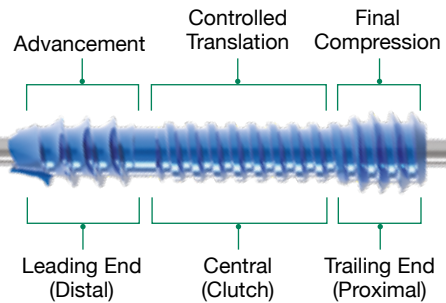


- 1** Distal threads engage the distal fragment
- 2** Thread relief clears the fracture site
- 3** Central section clutch provides translation
- 4** Slippage occurs preventing over compression
- 5** Attains 1mm of final compression when all proximal threads engage the proximal fragment

*COMPRESSIVE FORCE SEEN DURING ENGAGEMENT



Provides the needed fragment approximation and only 1mm of reproducible compression



2 DIAMETERS
2.5mm, 3.5mm

11 LENGTHS
10mm - 30mm



PROTEAN[®]

fragment plating technology



Custom contouring

True in-situ contouring after screw insertion

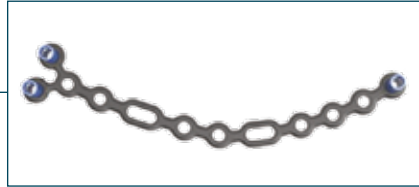
Malleable in three planes

Vertical Plane



30° PER NODE

Horizontal Plane



5° PER NODE

Transverse Plane



45° PER NODE

Low profile, indication specific options designed for optimal subchondral support

Coronoid Plates



Radial Head Plates



Additional fragment plating options:



Double Hockey Stick



Y - Straight



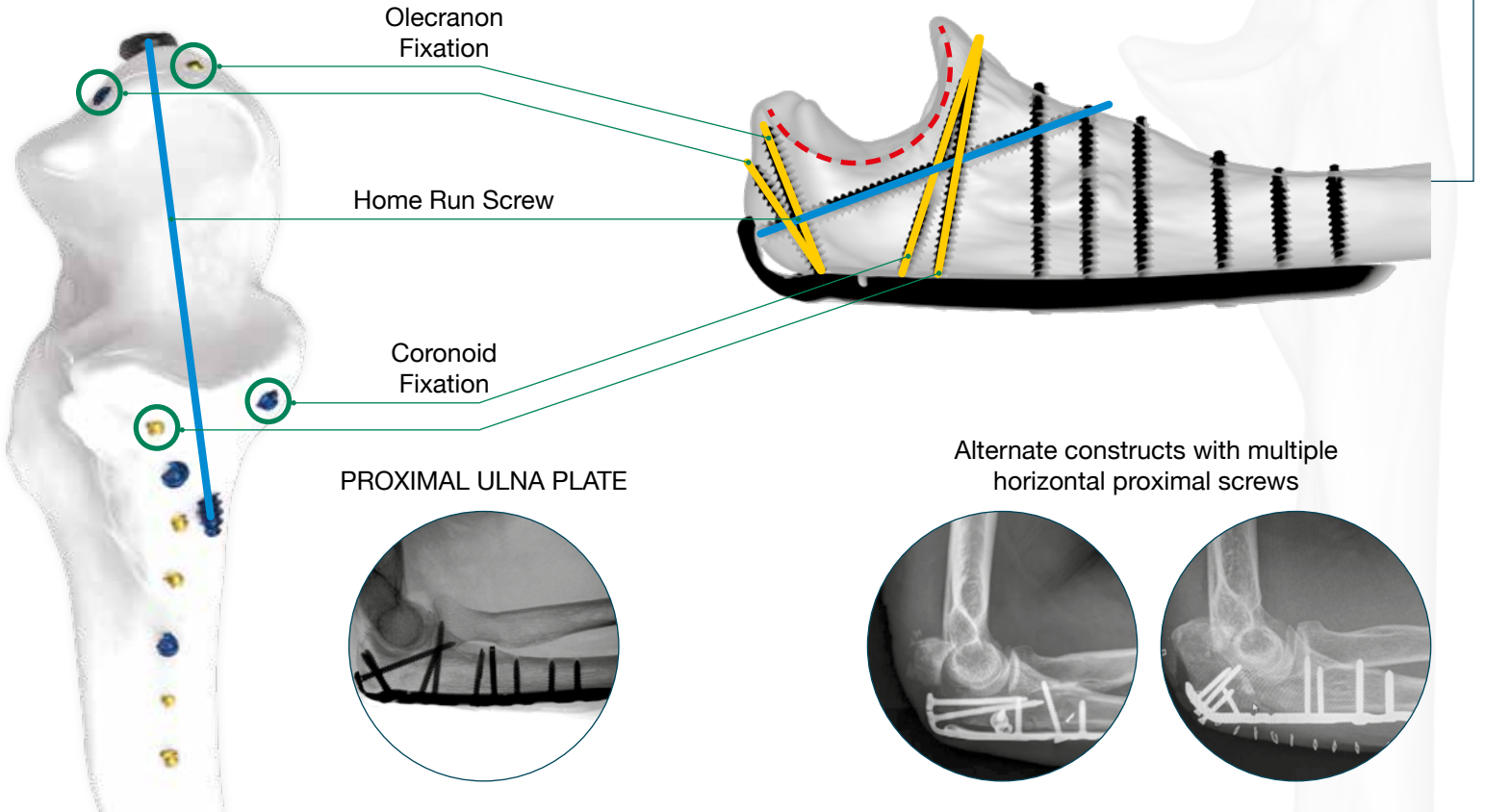
PROXIMAL ULNA PLATE



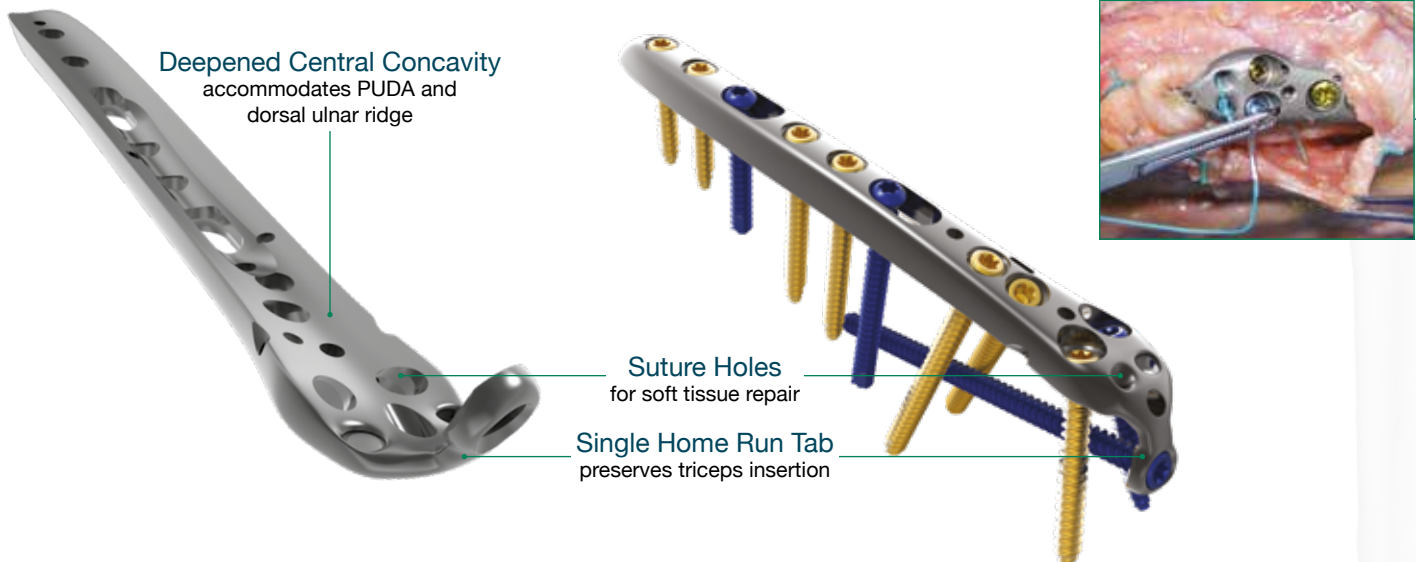
Designed to effectively fix the proximal tip of the olecranon and prevent avulsion of the triceps insertion

Sometimes less is more

Optimized home run screw trajectory



Suture anchor points incorporate triceps for added stability⁴



DISTAL ELBOW SET

¹Sochol KM, Andelman SM, Koehler SM, Hausman MR. (2019) Treatment of Traumatic Elbow Instability With an Internal Joint Stabilizer. *J Hand Surg Am*, 44(2): 161.e1-161.e7. DOI: 10.1016/j.jhsa.2018.05.031

²Orbay JL, Ring D, Kachooei AR, Santiago-Figueroa J, Bolano L, Pirela-Cruz M, Hausman M, Papandrea RF. (2017) Multicenter trial of an internal joint stabilizer for the elbow. *J Shoulder Elbow Surg*, 26: 125-132. DOI: 10.1016/j.jse.2016.09.023

³Pertierra G, Vernon LL, Rubio F. (2018) Midterm Results of an Anatomical Radial Head Arthroplasty for Treating Fractures and Degenerative Joint Diseases of the Radial Head. *Univ New Mexico Ortho Res J*, 7(1): 61-66. ISSN: 2167-4760

TECHNIQUE RELATED

⁴Izzi J, Athwal GS. (2012) An Off-Loading Triceps Suture for Augmentation of Plate Fixation in Comminuted Osteoporotic Fractures of the Olecranon. *J Orthop Trauma*, 26(1): 59-61. DOI: 10.1097/BOT.0b013e318214e64c

⁵Duckworth AD, Clement ND, White TO, Court-Brown CM, McQueen MM. (20017) Plate Versus Tension-Band Wire Fixation for Olecranon Fractures: A Prospective Randomized Trial. *J Bone Joint Surg Am*, 99(15): 1261-1273. DOI: 10.2106/JBJS.16.00773



skeletal dynamics[®]
UNDERSTANDING THE UPPER EXTREMITY

