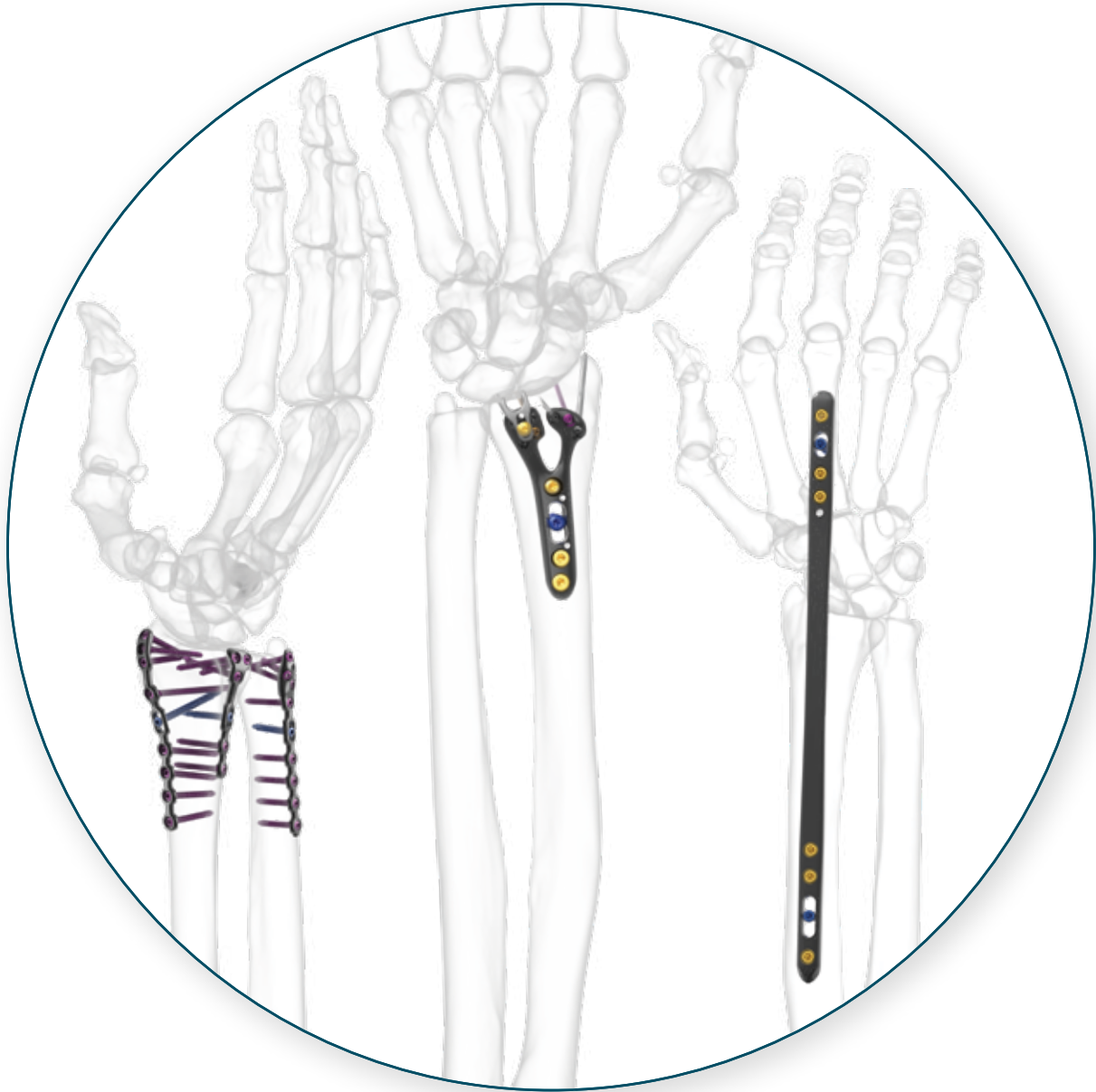


# GEMINUS<sup>®</sup>

## distal radius system



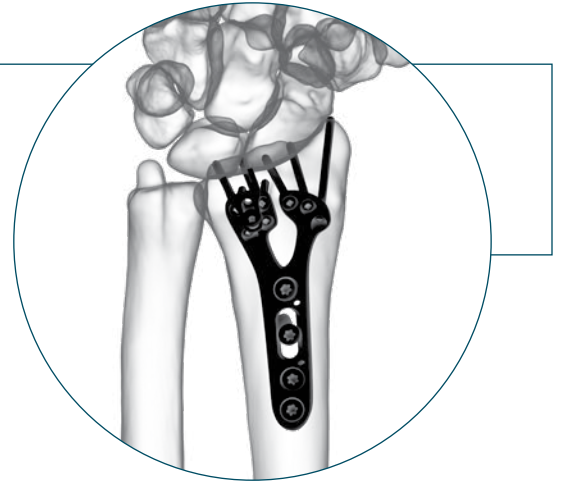
The complete distal radius solution



# A **comprehensive** system for **every** fracture

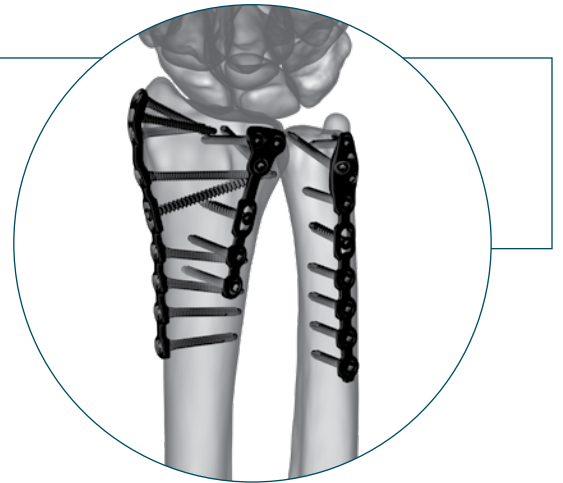
**VOLAR**

GEMINUS®



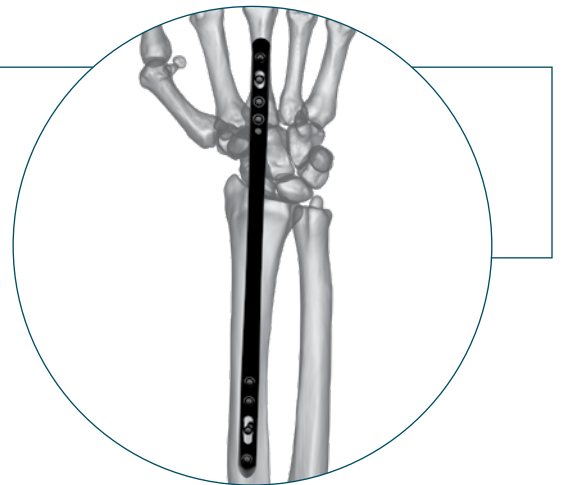
**FRAGMENT SPECIFIC**

PROTEAN®



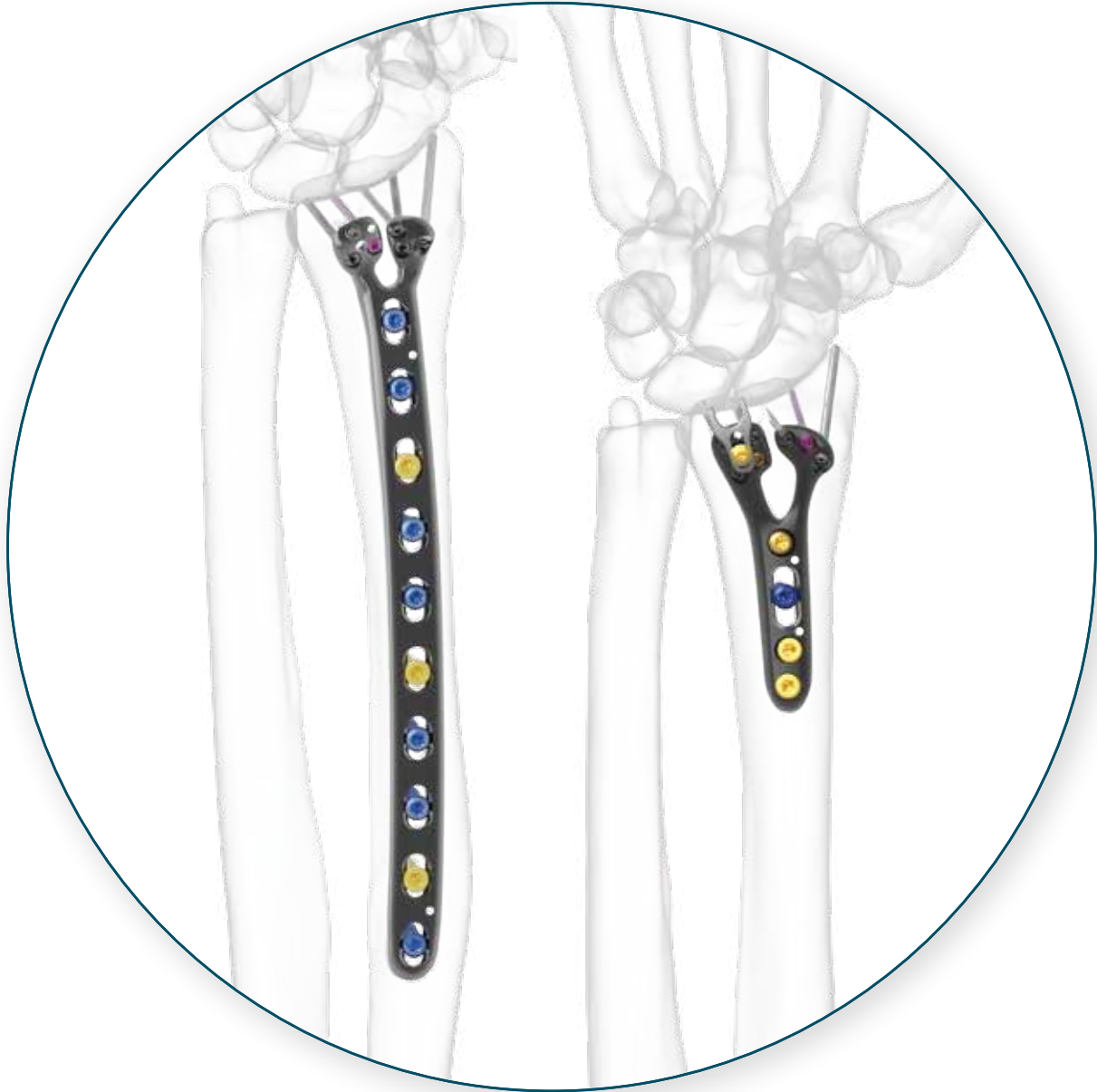
**POLYTRAUMA**

DORSAL SPANNING PLATE



# GEMINUS<sup>®</sup>

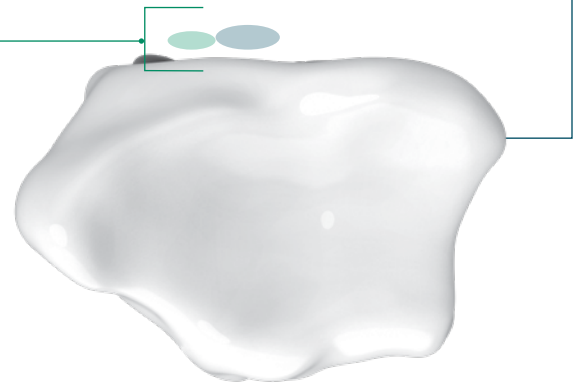
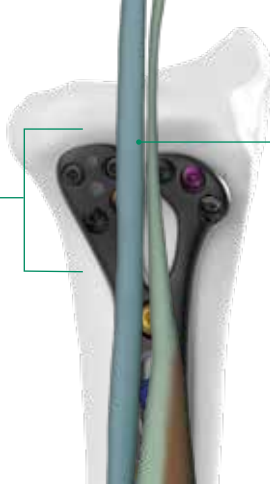
volar plating system



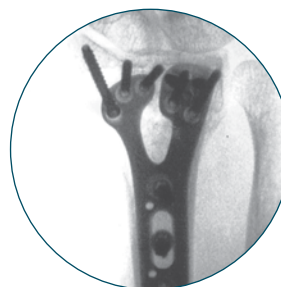
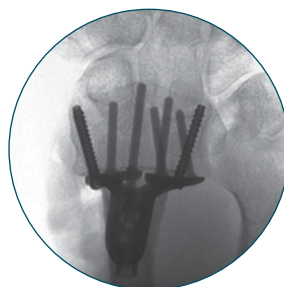
Two heads are better than one

# Optimized subchondral support while minimizing the potential for soft tissue injury

Dual head design protects flexor tendons by providing the lowest profile at the watershed line<sup>1</sup>



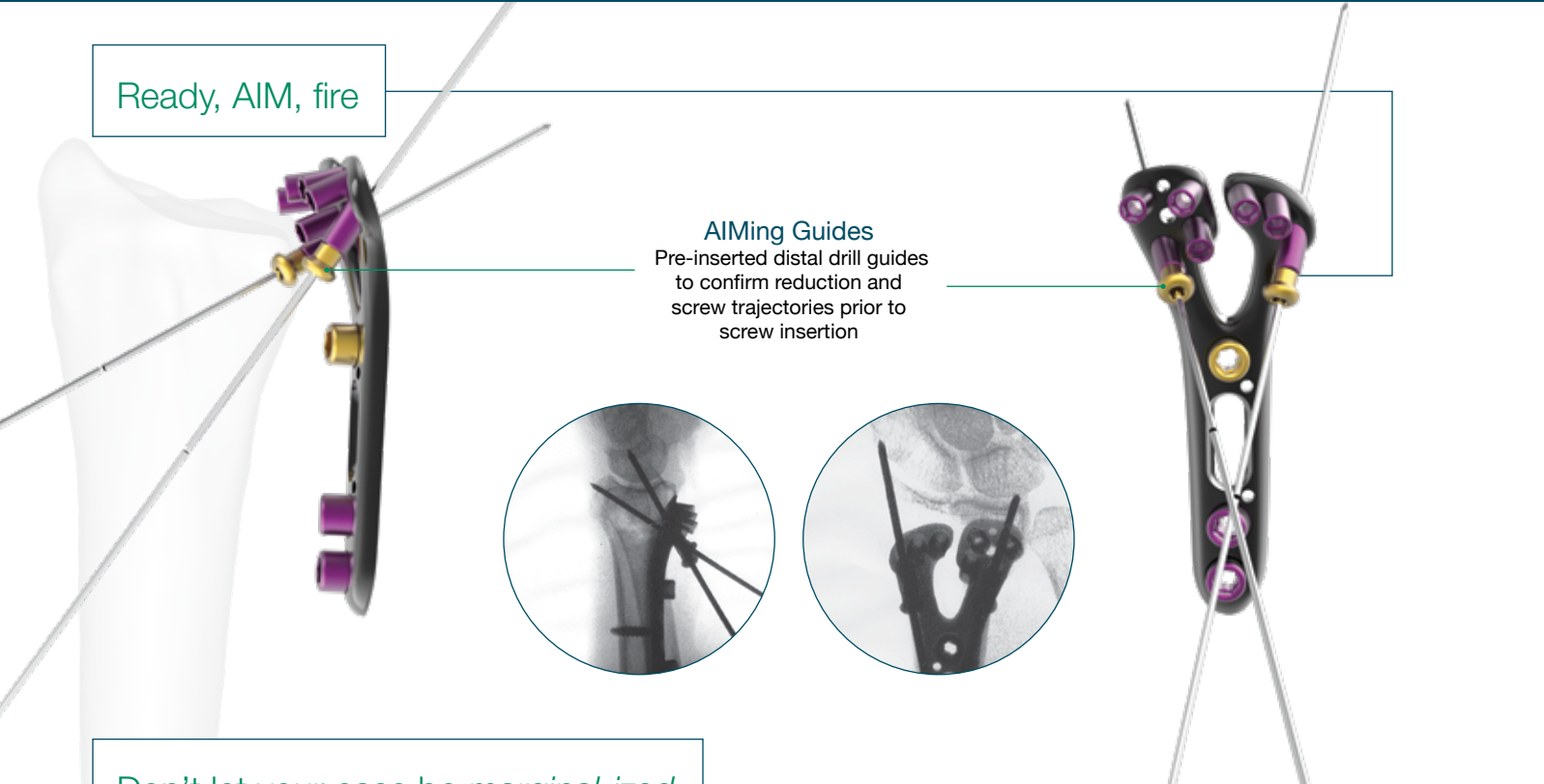
Screw trajectories designed to provide optimal subchondral support



# Innovative tools to facilitate surgery

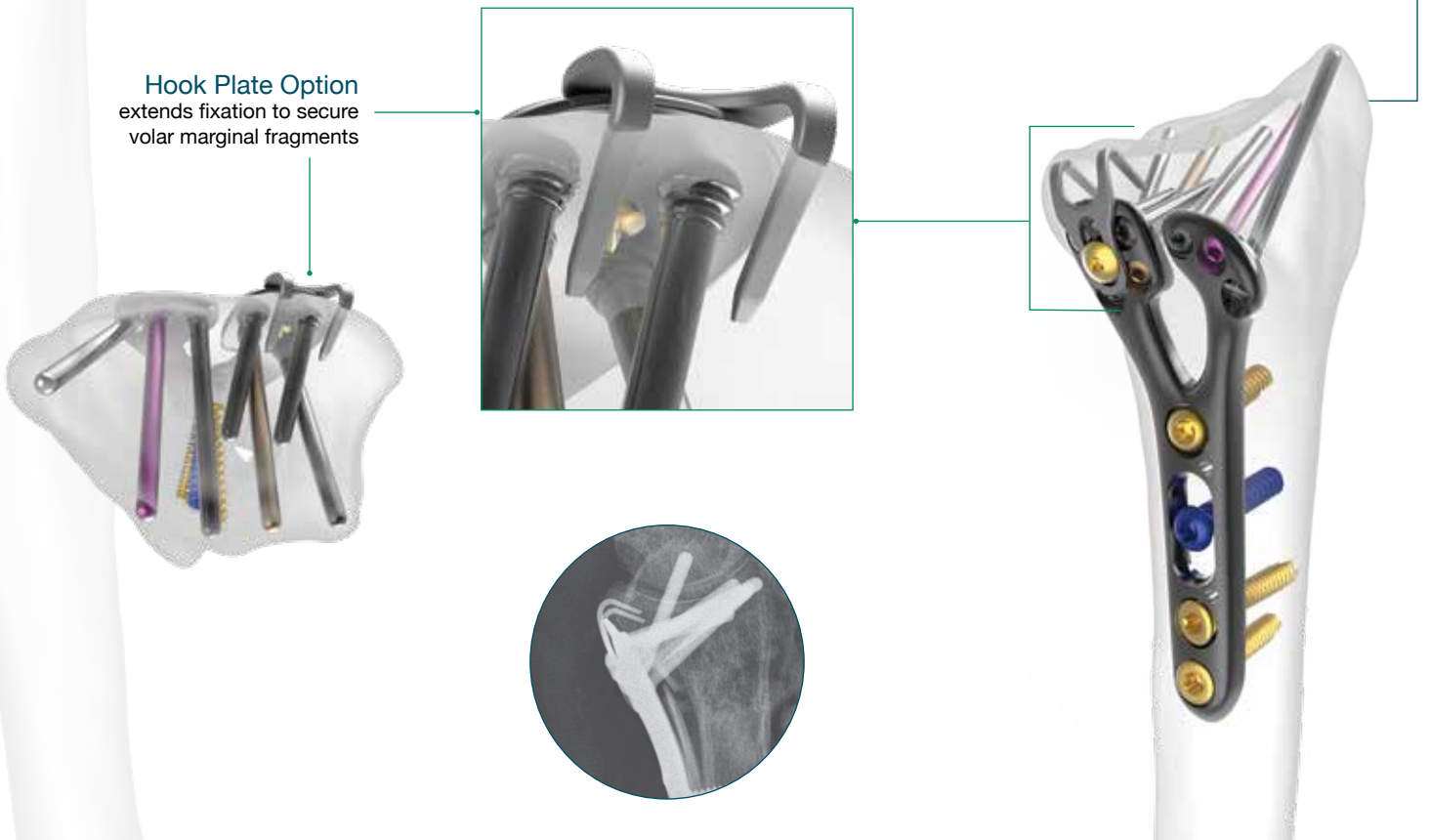
Ready, AIM, fire

**AIMing Guides**  
Pre-inserted distal drill guides  
to confirm reduction and  
screw trajectories prior to  
screw insertion



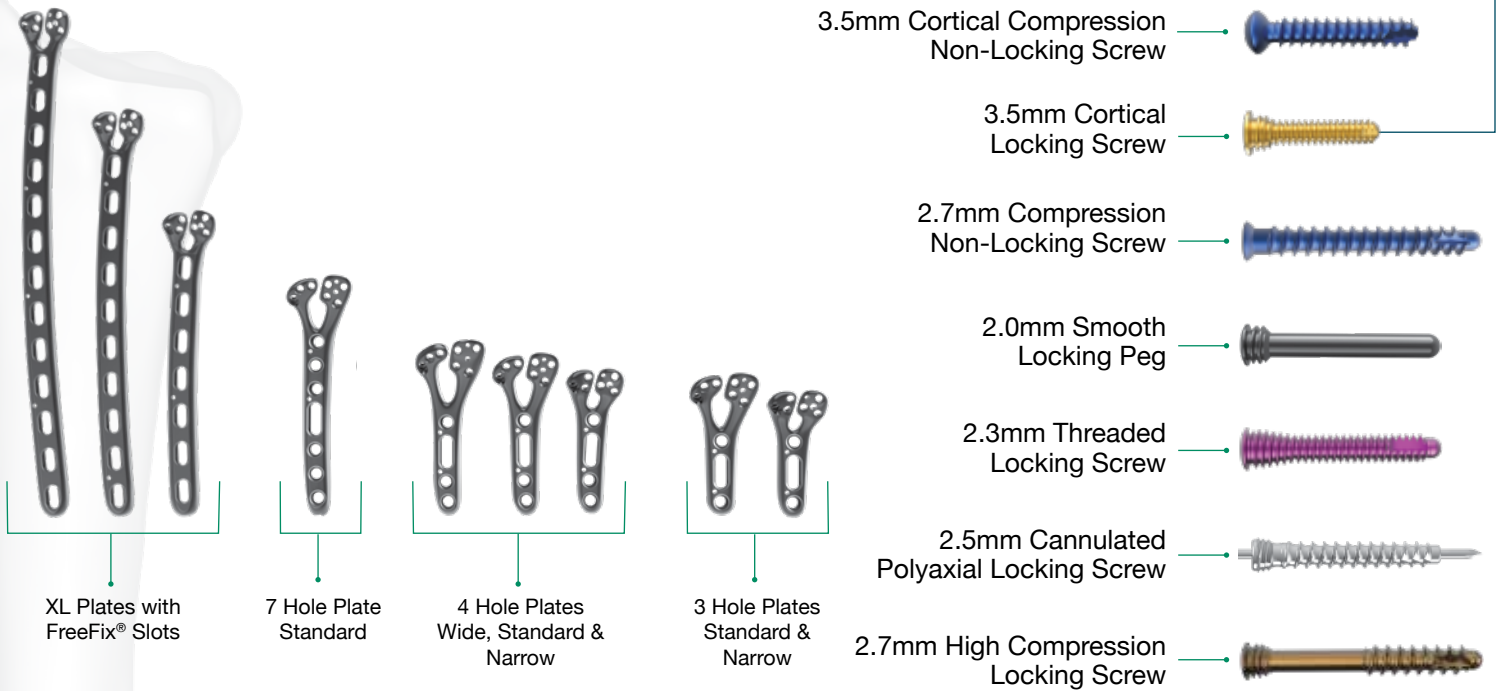
Don't let your case be *marginal-ized*

**Hook Plate Option**  
extends fixation to secure  
volar marginal fragments



# Customize your construct

## Multiple implant options



**9** PLATE LENGTHS  
46mm - 200mm

**3** PLATE WIDTHS  
Narrow, Standard, Wide

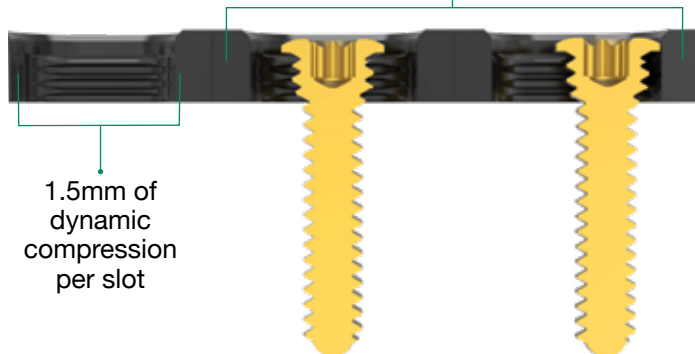
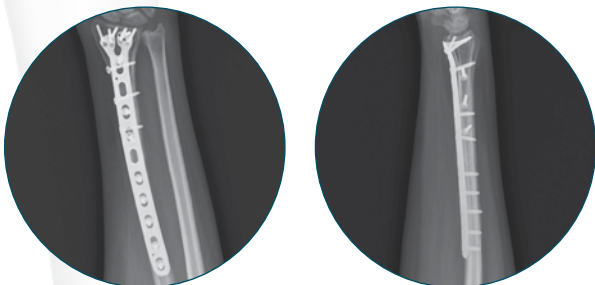
**7** SCREW OPTIONS  
1mm Increment Lengths

## FreeFix® technology allows the fracture to dictate screw placement

Both compression and locking screws can be inserted in any position in FreeFix® slots

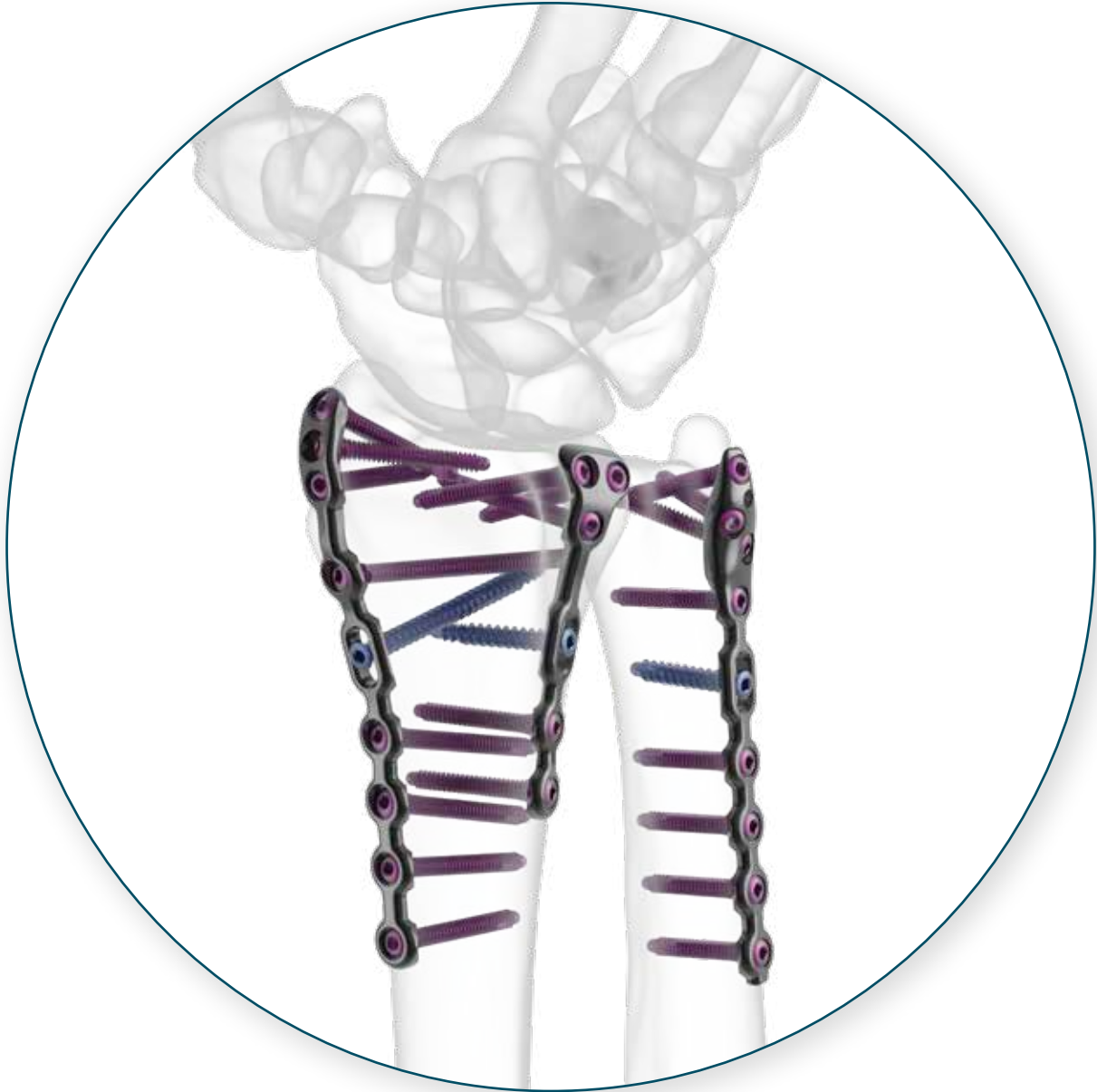


Patented horizontal thread pattern allows dynamic compression with locking screws



# PROTEAN<sup>®</sup>

fragment plating technology



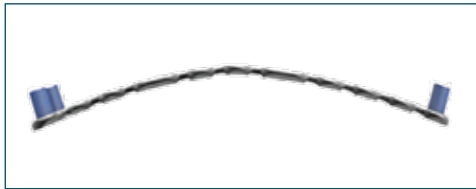
Custom contouring



# True in-situ contouring after screw insertion

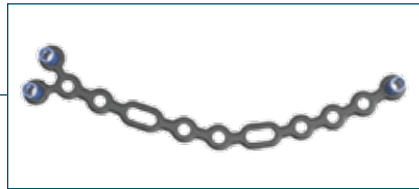
Malleable in three planes

Vertical Plane



20° PER NODE

Horizontal Plane



5° PER NODE

Transverse Plane

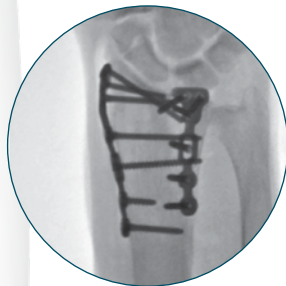


30° PER NODE

Low profile, indication specific options designed for optimal subchondral support



Radial Column



Central Column



Distal Ulna

Additional fragment plating options:



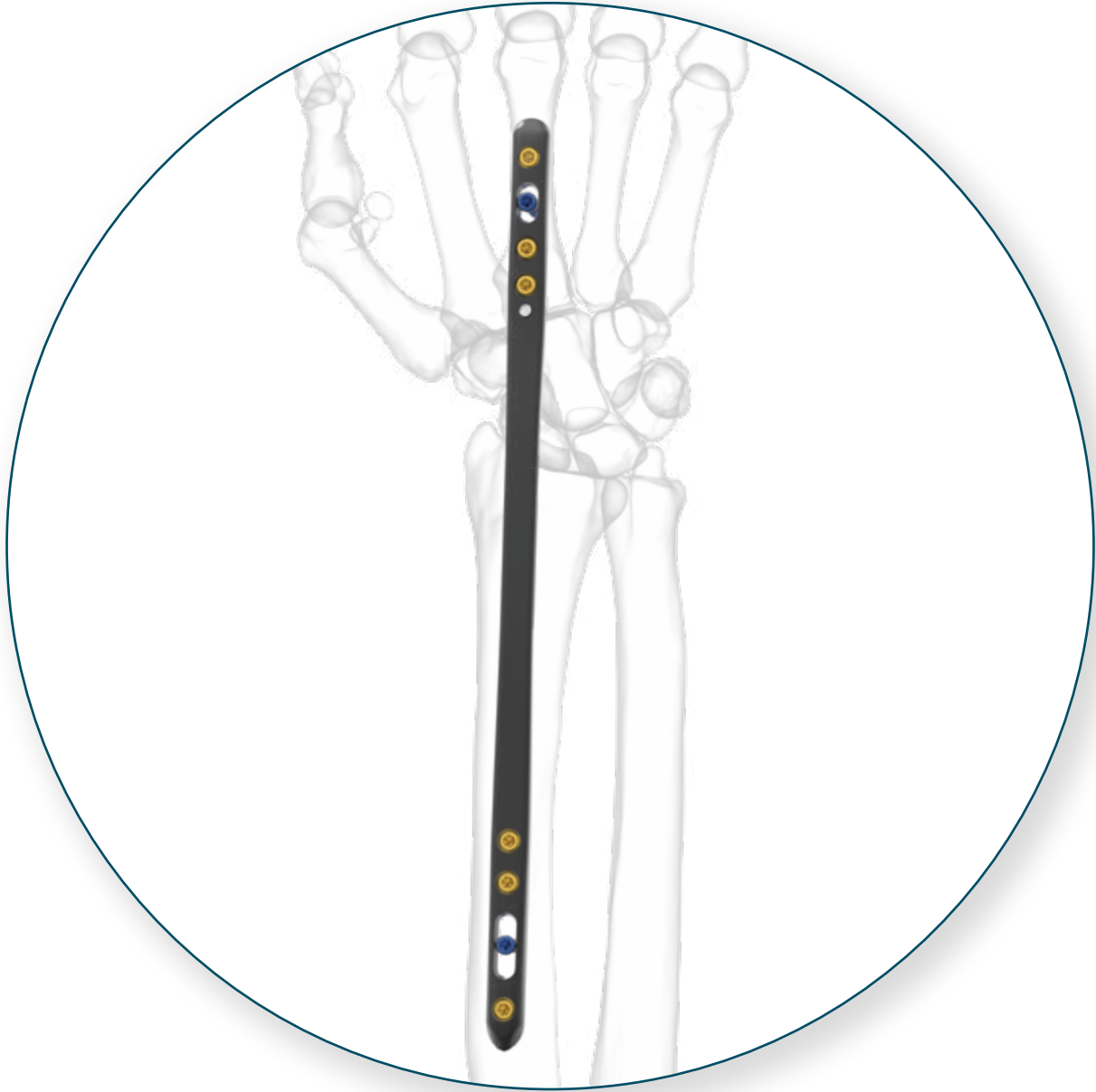
Double Hockey Stick



Y - Straight



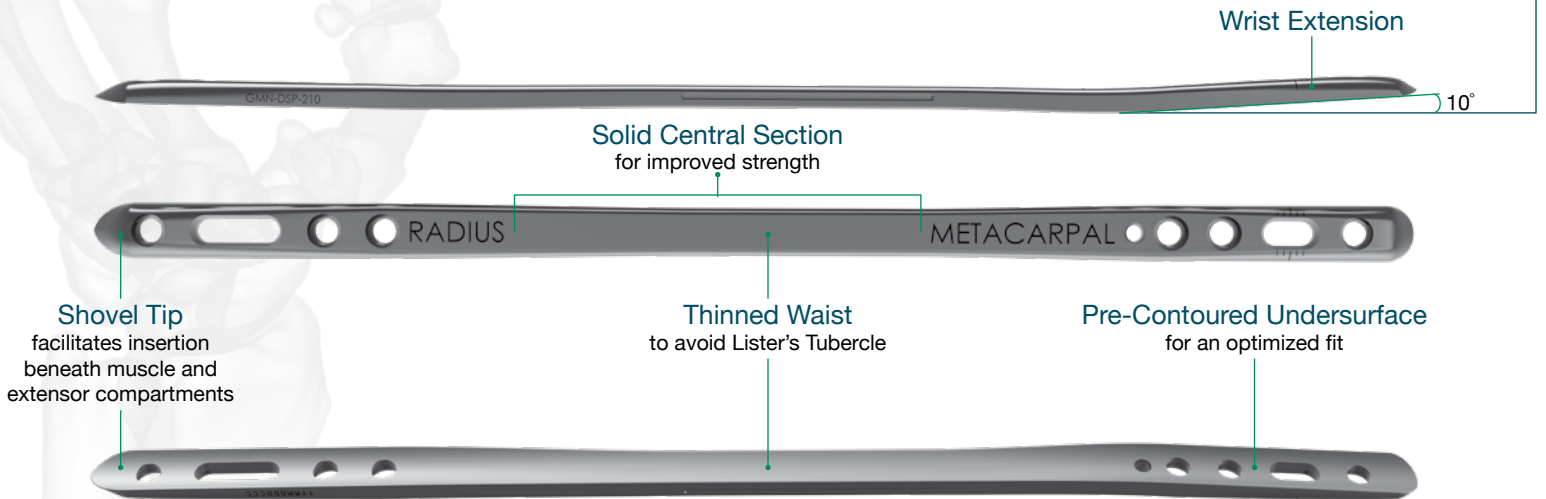
# DORSAL SPANNING PLATE



Anatomically designed bridge plate  
facilitates insertion and improves reduction

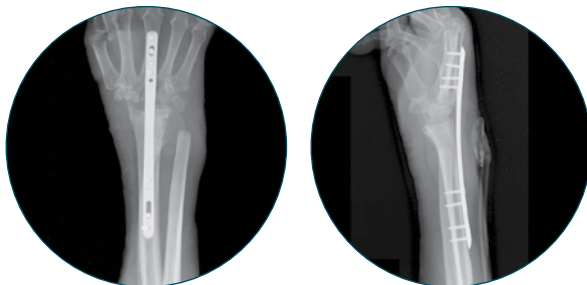
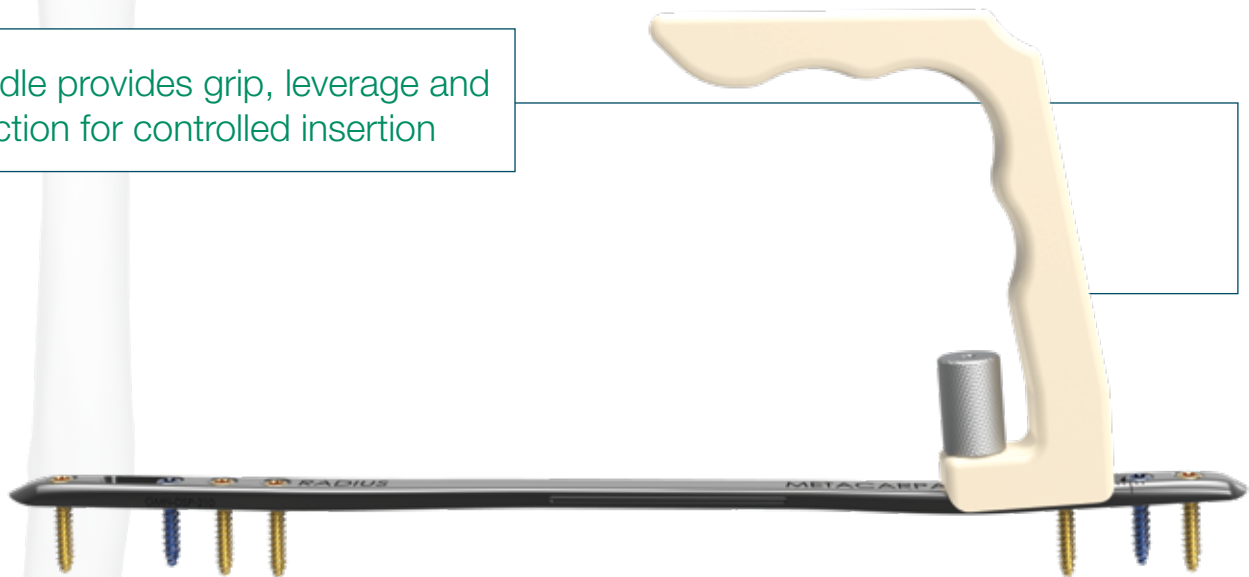
# Designed to improve the intraoperative and postoperative experience

10° of volar apex angulation places the hand in a position of improved function



**2 LENGTHS**  
160mm, 210mm

Handle provides grip, leverage and direction for controlled insertion





# PUBLISHED CLINICAL DATA

## GEMINUS®

<sup>1</sup>Limthongthang R, Bachoura A, Jacoby SM, Osterman AL. (2014) Distal Radius Volar Locking Plate Design and Associated Vulnerability of the Flexor Pollicis Longus. *J Hand Surg Am*, 30(5): 852-860. DOI: 10.1016/j.jhsa.2014.01.038

<sup>2</sup>Salas C, Brantley JA, Clark J, Reda Taha M, Myers OB, Mercer D. (2018) Damage in a Distal Radius Fracture Model Treated With Locked Volar Plating After Simulated Postoperative Loading. *J Hand Surg Am*, 43(7): 679.e1-679.e6. DOI: 10.1016/j.jhsa.2017.12.019

<sup>3</sup>Orbay JL, Rubio F, Vernon LL. (2016) Prevent Collapse and Salvage Failures of the Volar Rim of the Distal Radius. *J Wrist Surg*, 5(1): 17-21. DOI: 10.1055/s-0035-1570745

## TECHNIQUE RELATED

<sup>4</sup>Orbay JL, Gray R, Vernon LL, Sandilands SM, Martin AR, Vignolo SM. (2016) The EFR Approach and the Radial Septum- Understanding the Anatomy and Improving Volar Exposure for Distal Radius Fractures: Imagine What You Could Do With an Extra Inch. *Tech Hand Up Extrem Surg*, 20(4): 155-160. DOI: 10.1097/BTH.0000000000000139

<sup>5</sup>Orbay JL, Badia A, Indriago IR, Infante A, Gonzalez E, Fernandez DL. (2001) The Extended Flexor Carpi Radialis Approach: A New Perspective for the Distal Radius Fracture. *Tech Hand Up Extrem Surg*, 5(4): 204-211. DOI: 10.1097/00130911-200112000-00004

<sup>6</sup>Orbay J, Shah A, White BD, Patel A, Vernon L. (2016) Volar Plating as a Treatment for Distal Radius Fractures. *Plast Reconstr Surg Glob Open*, 4(9): e1041. DOI: 10.1097/GOX.0000000000001041







**skeletal dynamics**<sup>®</sup>  
UNDERSTANDING THE UPPER EXTREMITY

