

# Anatomic Distal Radius Plate

## SURGICAL TECHNIQUE



### Step 1

#### IMPLANT SELECTION – TRIALS

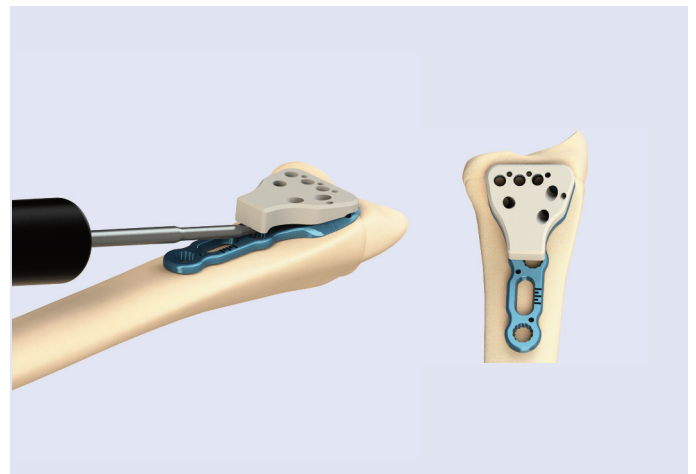
- ▶ Radial and Styloid targeted screw angles are approximated by the radial and styloid slots in the head
- ▶ Right and left plate configurations on opposite sides of trial



### Step 2

#### PLATE PLACEMENT

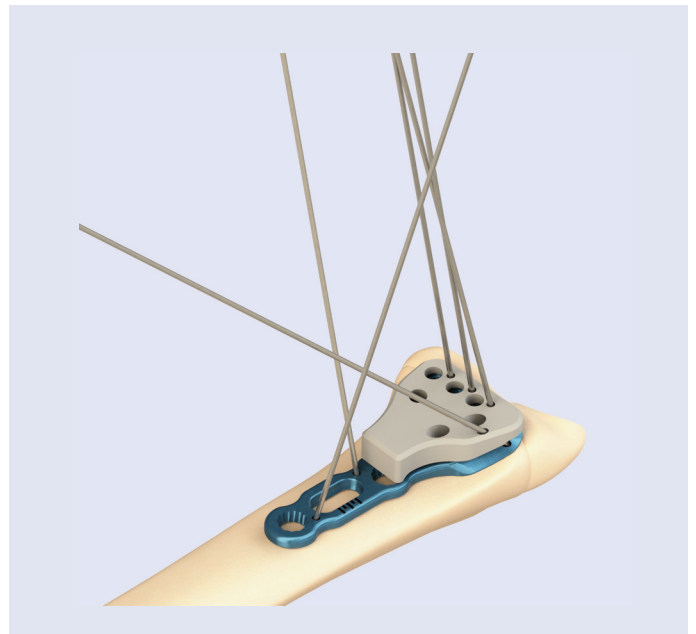
- ▶ Plates are pre-assembled with a Guide Block. The Guide Block facilitates screw insertion at the nominal trajectories.
- ▶ Guide Block simplifies drill guide usage
- ▶ Guide Block is easily removed by prying with the screwdriver or with forceps



### Step 3

#### PRELIMINARY FIXATION – K-WIRES

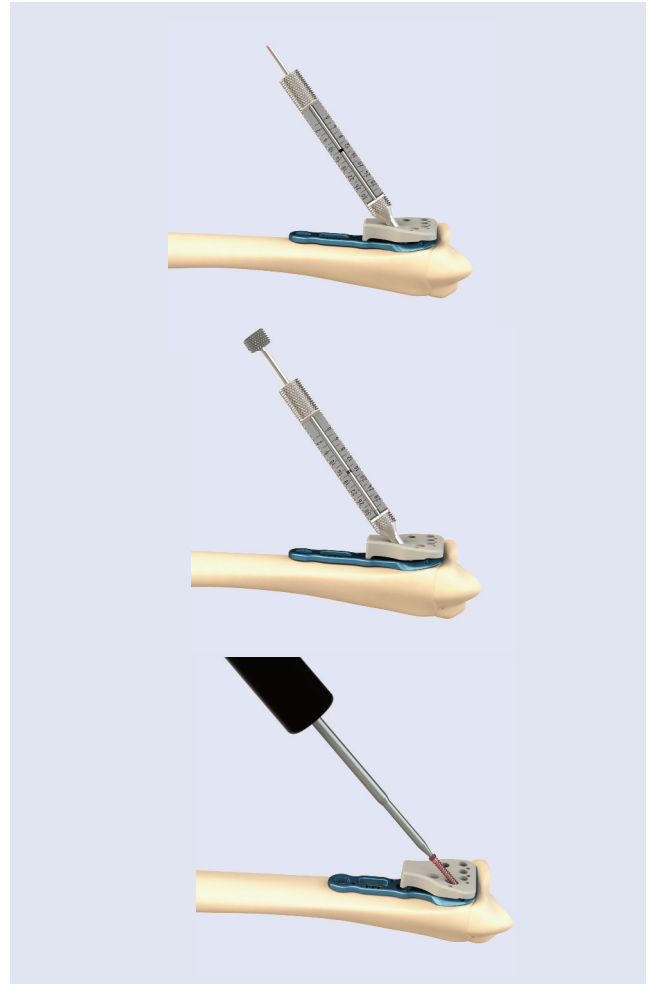
- ▶ K-wires may be inserted through the Guide Block
- ▶ Radial K-wire hole is targeted parallel to the styloid screws
- ▶ Distal K-wire trajectories form a boundary to which the distal locking screws will not penetrate distally
- ▶ Shaft K-wire holes are angled 10° toward the center of the plate shaft for added fixation



## Step 4

### DISTAL SCREW INSERTION

- ▶ If using the pre-defined distal screw trajectories, insert the 1.8mm Drill Guide/Depth Gauge into the Guide Block and drill a pilot hole for the 2.4mm screw (or 1.8mm peg) using the 1.8mm Drill Bit
  - **Note** use the K-Wire Driver to drill the pilot hole using the 1.8mm Drill Bit
- ▶ If variable angle screw insertion is desired, remove the Guide Block and insert the 1.8mm Drill Guide/Depth Gauge into the locking holes
- ▶ Screw length may be measured by reading the laser marked line on the 1.8mm Drill, or by using the Hook Tip Probe
- ▶ Using the BLACK screwdriver, insert a 2.4mm locking screw (or 1.8mm locking peg) through the block



## Step 5

### INSERT SHAFT SCREWS

- ▶ Using DBK 035, 2.5mm Drill Bit for 3.5mm screws and Drill Guide, drill a pilot hole for the 3.5mm screw.
- ▶ Measure for screw length by placing the hook tip probe through the 1.8mm Drill Guide/Depth Gauge. Ensure the depth gauge is fully seated onto the bone through the locking hole or slot.
- ▶ Using the GOLD screwdriver, insert a 3.5mm locking or non-locking screw. This is NOT a torque limiting screwdriver
  - Locking holes accept locking or non-locking screws
  - The slot accepts non-locking screws only

