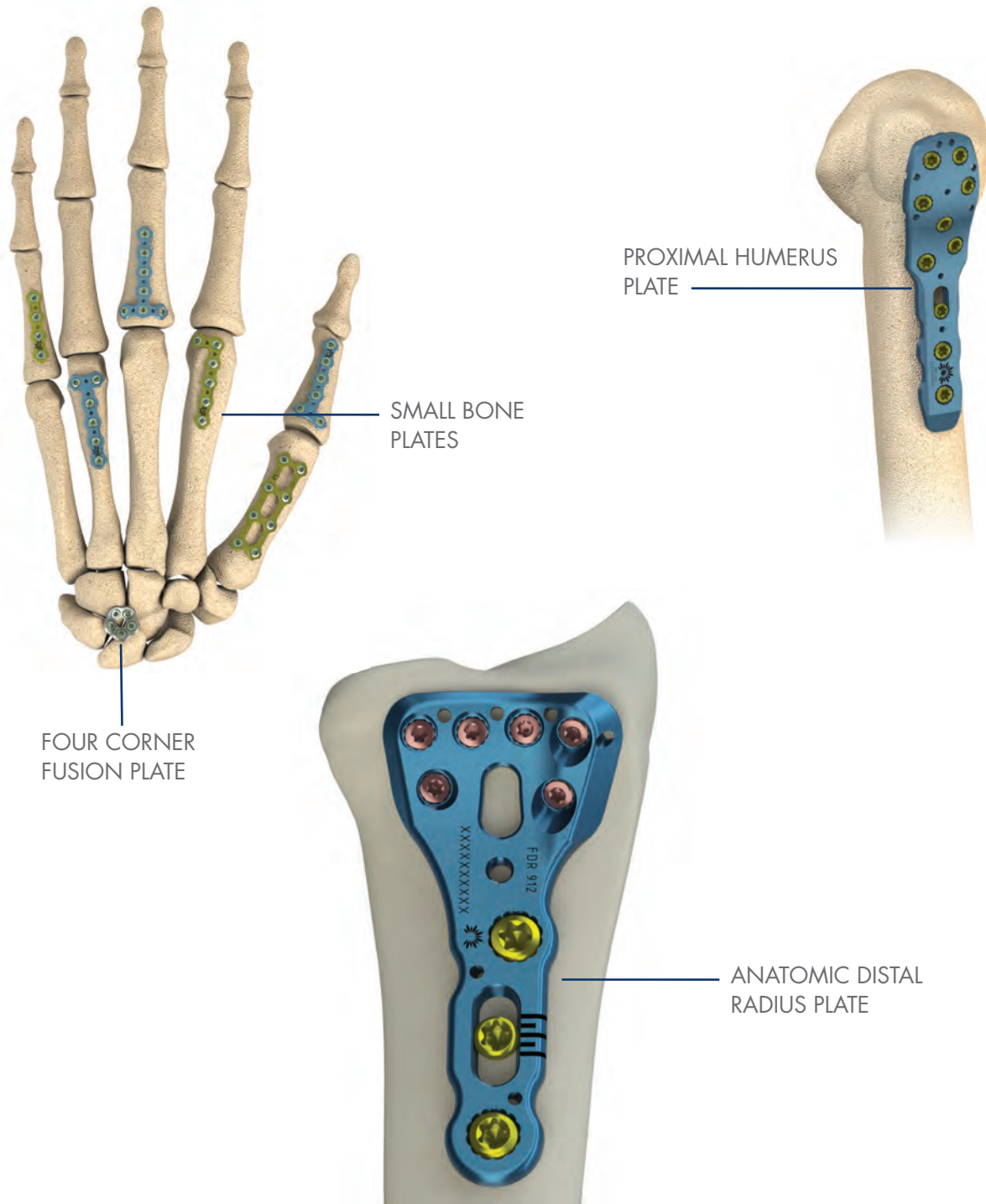


The Flower Anatomic Distal Radius Plate

PROCEDURE GUIDE

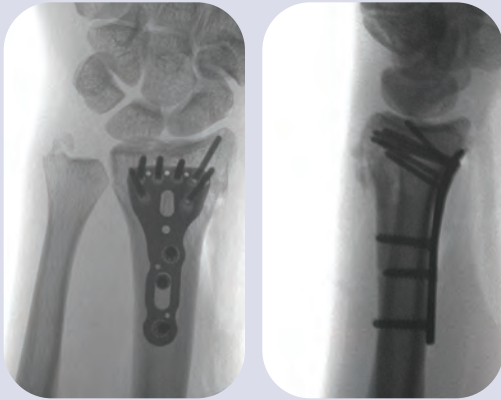
The Flower Upper Extremity Application



INDICATIONS FOR USE:

The Flower Small and Medium Implants set is intended for use for internal fixation of fractures and reconstruction of bones, including the scapula, olecranon, humerus, radius, ulna, pelvis, distal tibia, fibula, hand and foot in adults and for use in long bones in adolescents (12-21) in whom the growth plates have fused. Examples of these internal fixations and reconstructions include compression fractures, intra-articular and extra-articular fractures, displaced fractures, osteotomies, non-unions and mal-unions. This system can be used for palmar, ventral, dorsal and orthogonal application.

The Flower Anatomic Distal Radius Plate – Product Rationale





The Flower Anatomic Distal Radius Plate is low profile and sits proximal to the watershed line, reducing the possibility of tendon irritation.

The anatomic distal radius plate is packaged with a pre-assembled guide block that provides anatomically oriented distal locking fixation to target common fracture fragments of the distal radius. Alternatively, the guide block may be removed to allow for 10° of variability in all directions (20° cone) for each of the distal locking screws.

The guide block and the anatomic distal radius plate contain k-wire holes to allow for provisional plate fixation, fracture reduction, and easy evaluation of the nominal trajectory of the distally targeted screws. The anatomic contour of the Flower Anatomic Distal Radius Plate closely matches the native distal radius and can be used as an aid in fracture reduction.

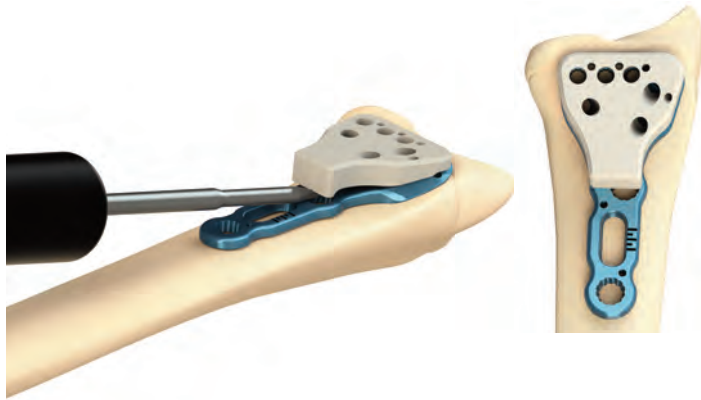
The Flower Anatomic Distal Radius Plate – Design Features

	PLATE RATIONALE	SURGICAL BENEFIT
	Anatomic contour sits just proximal to the watershed line	Reduced tendon irritation and anatomic placement along the volar curve
	Anatomic screw trajectories targeted with guide block	Buttresses articular surface and distal dorsal rim
	K-wire holes through the guide block	Reduces small fragments, provides provisional fixation and defines anatomic screw placement
	Easily removable guide block and patented Flower Locking Mechanism	Variable angle locking allows surgeons to target difficult fragments

The Flower Anatomic Distal Radius Plate – Surgical Strategy

Step 1 – Implant Selections – Trials

- Right and left plate configurations on opposite sides of trial (FDR 992).
- Radial and styloid targeted screw angles are approximated by the angled radial slot in the head in the head.



Step 2 – Guide Block Placement

- Plates are pre-assembled with a guide block. The guide block facilitates screw insertion at the nominal trajectories and simplifies drill guide usage.
- Depth can be measured and screws can be placed through the guide block.

Step 3 – Preliminary Fixation – K-Wires (KWK 900)

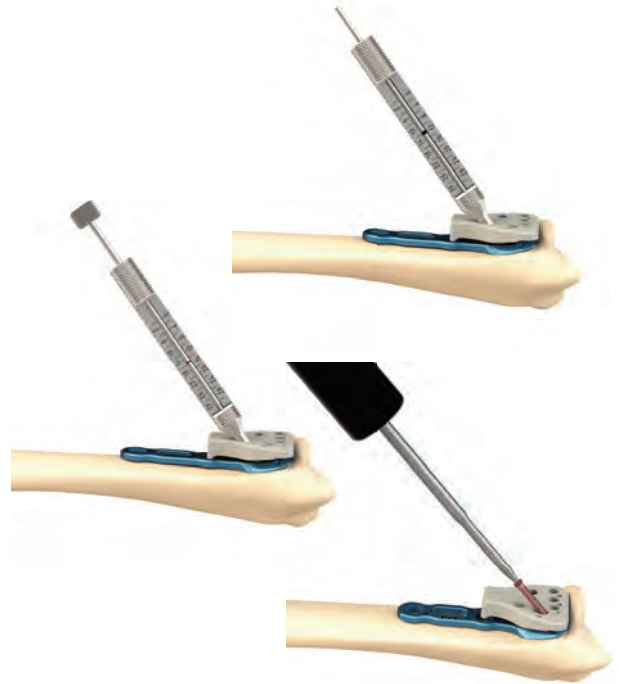
- K-wires may be inserted through the guide block.
- Radial k-wire hole is targeted parallel to the styloid screws.
- Distal k-wire trajectories form mark the trajectory and distal extent of penetration of the screws distally.
- Shaft k-wire holes are angled 10° toward the center of the plate shaft for added fixation.



The Flower Anatomic Distal Radius Plate – Surgical Strategy

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 (FDR 991).
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 (FDR 991).
Note: DBK 024 may also be used when drilling distal holes to provide a better tactile feedback while drilling a variable angle pilot hole.
- Screw length may be measured by reading the laser marked line on the 1.8mm drill, or by using the Hook Tip Probe (KWK 900).
- Using the BLACK screwdriver (KWK 900), insert a 2.4mm locking screw (or 1.8mm locking peg) through the block.
 - Use a Two Finger Technique. Do not overtighten. Screw is locked when flush with top surface of plate.



Step 5 – Insert Shaft Screws

- Use the 2.5mm drill bit and the locking end of the Drill Guide (DBK 035) to drill a pilot hole for the 3.5mm screw.
- Measure for screw length by placing the Hook Tip Probe (KWK 900) through the 1.8mm Drill Guide/Depth Gauge (FDR 991). Ensure the depth gauge is fully seated onto the bone through the locking hole or slot.
- Using the GOLD screwdriver (KWK 900), insert a 3.5mm locking or non-locking screw. This is NOT a torque limiting screwdriver. Do not over-tighten, screw is locked when flush with top surface of plate.
 - Locking holes accept locking or non-locking screws
 - The slot accepts non-locking screws only

Step 6 – Final Construct

The Flower Anatomic Distal Radius plate accommodates varying patient anatomy while providing targeted distal fixation. The anatomic distal radius plate offers both variable angle and fixed angle locking options to meet the needs of individual surgeons and fracture patterns. Simple yet efficient, it is designed to address even the most complex distal radius fractures.



The Flower Anatomic Distal Radius Plate – Implant Selection

VARIABLE ANGLE LOCKING SCREWS

Screw Diameters	Product Description	Lengths
2.4mm	2.4mm Variable Angle Locking Screw	8mm-30mm
3.5mm	3.5mm Variable Angle Locking Screw	8mm-18mm



VARIABLE ANGLE LOCKING PEGS

Peg Diameter	Product Description	Lengths
1.8mm	1.8mm Variable Angle Locking Peg	16mm-22mm



VARIABLE ANGLE NON-LOCKING SCREWS

Screw Diameters	Product Description	Lengths
2.4mm	2.4mm Variable Angle Non-Locking Screw	14mm-24mm
3.5mm	3.5mm Variable Angle Non-Locking Screw	8mm-18mm



FLOWER ANATOMIC DISTAL RADIUS PLATE PORTFOLIO

Part #	Product Description	Orientation
FDR 001	Distal Radius Plate, Narrow	Left
FDR 002	Distal Radius Plate, Narrow	Right
FDR 011	Distal Radius Plate, Standard	Left
FDR 012	Distal Radius Plate, Standard	Right



The Flower Anatomic Distal Radius Plate – Single-Use Instrument Overview

ANATOMIC DISTAL RADIUS PLATE TRIALS

Part #	Contents of Kit
FDR 992	Anatomic Distal Radius Plate Trials



ANATOMIC DISTAL RADIUS DRILL BIT KIT

Part #	Content of Kit
FDR 991	1.8mm Drill Bit for 2.4mm Screws, Depth Measuring Drill Guide



DRILL BIT KITS

Part #	Contents of Kit
DBK 024	Drill Bit, D:1.8mm Drill Guide
DBK 035	Drill Bit, D: 2.5mm Drill Guide



DISTAL RADIUS K-WIRE KIT

Part #	Contents of Kit
KWK 900	Screw Drivers for Distal and Shaft Screws, Hook Tip Probe used with Depth Measuring Drill Guide, 1.4mm K-Wires (QTY 6)



FlowerCube™: Schedule. Treat. Turn.



Schedule Case Sooner.

(Ready-for-Surgery™)

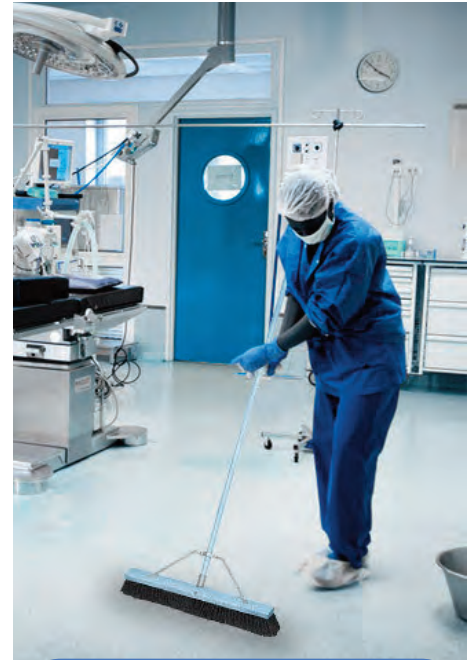
- No cleaning and sterilization
- FlowerCube is always ready to complete the case
- No time consuming set drop off



Treat Confidently.

(Sterile & Disposable)

- Instrument kits are always complete
- Drill bits are always sharp
- Guaranteed sterility



Turn OR Faster.

(FlowerCube)

- FlowerCube is always ready for the next surgery
- No delay with back to back cases
- Enough sterile inventory for multiple cases