

# SPEED™ Hand & Wrist System

Procedure Manual



PART OF THE *Johnson & Johnson* FAMILY OF COMPANIES



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# Limited Intercarpal Joint Arthrodesis

(including isolated capitolunate, two-column and four-corner fusions)

## Description

Fusion of one or more of the carpal joints.

## Placement

One implant per joint placed dorsally. For capitolunate fusions, two implants may be placed side-by-side.

## Common Sizes (mm)

11x08

11x10

11x15x13

13x08

13x10

13x12

13x15x13

15x10

15x12

15x15



# Thumb Carpometacarpal (CMC) Joint Arthrodesis

## Description

Fusion of the trapezium and first metacarpal bones.

## Placement

Two implants placed radially along the carpometacarpal joint. Implants may be placed palmarly or dorsally.

## Common Sizes (mm)

11x08

11x10

11x15x13

13x08

13x10

13x12

13x15x13

15x10

15x12



# Other Carpometacarpal (CMC) Joint Arthrodesis

## Description

Fusion of the 2nd, 3rd, 4th, or 5th metacarpal with its adjacent carpal bone.

## Placement

One or two implants placed dorsally along the carpometacarpal joint.

## Common Sizes (mm)

- 11x08
- 11x10
- 11x15x13
- 13x08
- 13x10
- 13x12
- 13x15x13
- 15x10
- 15x12



# Thumb Metacarpal Extension Osteotomy

## Description

Fixation of a radially based closing wedge osteotomy of the base of the first metacarpal.

## Placement

Two implants placed radially and parallel to the first metacarpal bone and perpendicular to the osteotomy. Implants may be placed more palmarly and dorsally at 90 degrees to each other.

## Common Sizes (mm)

11x08

11x10

11x15x13

13x08

13x10

13x12

13x15x13

15x10

15x12



# Thumb Metacarpophalangeal (MCP) Joint Arthrodesis

## Description

Fusion of the proximal segment of the first phalange to the first metacarpal.

## Placement

Two implants placed radially along the metacarpophalangeal joint. Implants may be placed more palmarly and dorsally at 90 degrees to each other.

## Common Sizes (mm)

- 11x08
- 13x08
- 13x10
- 13x12
- 13x15x13
- 15x10
- 15x12



# Radiolunate (RL) or Radioscapholunate (RSL) Joint Arthrodesis

## Description

Fusion of the radius to the lunate bone (RL) or fusion of the radius to the lunate and scaphoid bones.

## Placement

One to two implants placed dorsally along the radiolunate joint. Repeat for the radioscaphoid joint if performing an RSL fusion.

## Common Sizes (mm)

11x08	15x12
13x08	15x15*
13x10	18x15*
13x12	18x18x15*
13x15x13	18x18*
15x10	20x15*

\*Equivalent SPEEDTITAN™ Implants may be used.





# Lunotriquetral (LT) Joint Arthrodesis

## Description

Fusion of the lunate and triquetrum bones.

## Placement

Fixation is achieved with one implant placed dorsally along the lunotriquetral joint. Angulating the implant slightly more distally than proximally prevents dorsal radial impingement.

## Common Sizes (mm)

11x08

11x10

11x15x13

13x08

13x10

13x12

13x15x13

15x10

15x12



# Capitate Shortening

## Description

Shortening of the capitate performed in the treatment of Kienbock's disease (avascular necrosis of the lunate).

## Placement

One implant placed dorsally parallel to the long axis of the capitate and perpendicular to the osteotomy.

## Common Sizes (mm)

11x08

11x10

11x15x13

13x08

13x10

13x12

13x15x13

15x10



# Scaphoid Fracture Repair Primary/ Revision, with or without graft

## Description

Fixation of transverse fractures along the waist of the scaphoid.

## Placement

Using a volar approach, one implant placed parallel to the long axis of the scaphoid and perpendicular to the fracture.

## Common Sizes (mm)

11x08

11x10

11x15x13

13x08

13x10

13x12

13x15x13

15x10



# Scaphotrapeziotrapezoid (STT) Arthrodesis

## Description

Arthrodesis of the scaphoid, trapezium and trapezoid bones.

## Placement

Fixation is achieved with two implants. The first placed radially along the scaphotrapezium joint and the second dorsally along the scaphotrapezoid joint.

## Common Sizes (mm)

11x08

11x10

11x15x13

13x08

13x10

13x12

13x15x13

15x10

15x12



## SPEED Hand & Wrist Implant System<sup>†</sup>

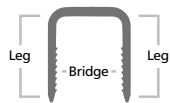
Implant Kit	Bridge*	Legs*	Wire Size*	Max Closure*
SE-0907	09	07	1.5x1.5	2.7
SE-0910	09	10	1.5x1.5	3.6
SE-1108	11	08	1.5x1.5	3.2
SE-1110	11	10	1.5x1.5	3.7
SE-111513	11	15/13	1.5x1.5	5.0
SE-1308	13	08	1.5x1.5	4.7
SE-1310	13	10	1.5x1.5	5.5
SE-1312	13	12	1.5x1.5	6.6
SE-131513	13	15/13	1.5x1.5	7.3
SE-1510	15	10	1.5x1.5	5.7
SE-1512	15	12	1.5x1.5	6.4

## Corresponding Drill Kit

Part Number	Drill Bit Size	Drilling Templates*	Locator Pins	Tamp	K-wires
DK-200HW	2.0 mm	09,11,13,15	2 x LP-200	TP-200	0.045 in.

<sup>†</sup>Additional sizes available. Ask your Sales Representative for more information.

\*Sizes In millimeters.



SPEED Diagram



Constrained in the open position



Bi-cortical compression when released



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