12 mm Memory™ Staples
20 mm Arthrodesis Memory™ Staples
For Arthrodesis and Phalangeal Osteotomies
DePuy Memory™ Staples are stored at -18˚ C to allow a longer manipulation time during surgery. Manufactured using an alloy specifically developed to provide this longer working time in theatre, the composition of this new alloy maintains its compressive strength during and after the procedure. Compression is constant and repeatable, with no need for heating during surgery.

Bilateral, dynamic compression for controlled closure

Predictable expansion of the staple’s oval back produces bilateral compression during closure. Refinement of the alloy composition reduces the ‘pinching’ of the staple arms, ensuring more accurate alignment of the osteotomised bone. The use of saline to warm the staple past body temperature will increase compression, if required. Continued dynamic compression is applied, even during bone resorption, to maintain closure throughout the healing process.

Increased size and strength for compression and fusion

The same advanced temperature sensitive alloy is used for the Arthrodesis Staple, with a similar overall gain in performance. This 20 mm staple is unique in tackling indications previously suited to screw and plate options only. A lengthened back section and increased compressive strength in the staple leg allow the surgeon to use the Arthrodesis Staple effectively for osteotomy and fusion in the mid and hind foot, as well as forefoot.
**Indications for 12 mm Memory™ Staple**

The 12 mm Memory™ Staples are indicated for diaphyseal osteotomy of the first phalanx of the big toe.

![Shortening](image1.png)  ![De-rotation](image2.png)  ![Varisation](image3.png)

**Indications for 20 mm Arthrodesis Memory™ Staple**

The 20 mm Arthrodesis Memory™ Staples are indicated for:

- Metatarsophalangeal arthrodesis of the first ray
- Lisfrancs arthrodesis
- Arthrodesis of the foot behind the tarsometatarsal joint
- Arthrodesis of non-union in the foot

![Metatarsophalangeal arthrodesis of the first ray](image4.png)  ![Lisfrancs arthrodesis](image5.png)  ![Arthrodesis of the foot behind the tarsometatarsal joint](image6.png)

**Recommendations for use**

- Store the staple at a maximum temperature of -18 °C for at least 2 hours and remove from refrigerator ice compartment immediately before use. The staple may be handled for up to 4 minutes after removal from its packaging.
- The compression of the staple may be increased by heating it in warm physiological saline solution. The staple must not be heated with electric cautery in any circumstances.
- The arms of the staple must not be spread excessively.
- As the staple contains a percentage of nickel, it must not be used in nickel sensitive patients.
### 12 mm Memory™ Staple

**Asymmetrical Arms**
- P3613 Length 13/15
- P3614 Length 14/16
- P3615 Length 15/17
- P3616 Length 16/18
- P3617 Length 17/19

**Symmetrical Arms**
- P361 Length 13/13
- P363 Length 14/14
- P365 Length 15/15
- P367 Length 16/16
- P369 Length 17/17

### 20 mm Arthrodesis Memory™ Staple

**Asymmetrical Arms**
- P3712 Length 12/15
- P3714 Length 14/17
- P3716 Length 16/19
- P3718 Length 18/21
- P3720 Length 20/23

**Symmetrical Arms**
- P370 Length 13/13
- P372 Length 15/15
- P374 Length 17/17
- P376 Length 19/19
- P378 Length 21/21
- P380 Length 23/23
- P382 Length 25/25

### 12 mm Memory™ Staple Instruments
- PA370 Staple Forceps
- PA371 Staple Impactor
- PA372 Drill Guide
- PA374 2.2 mm Diameter Drill
- PA375 2.5 mm Diameter Drill
- PA376 Drill Trial
- PA373 Sterilisation Tray

### 20 mm Arthrodesis Memory™ Staple Instruments
- A4508 Staple Forceps
- A4509 Staple Impactor
- A4511 Drill Guide
- A5312 Positioning Trial
- PA379 2.5 mm Diameter Drill x 2
- A4512 Sterilisation Tray

### General Memory™ Staple Instruments
- A4578 Drill Guide Handle
- PA377 Depth Gauge
- P050 Pin 10/10, Length 70 mm
- P051 Pin 10/10, Length 100 mm

This publication is not intended for distribution in the USA

Memory™ Staples have been designed in consultation with L.S. Barouk, M.D.
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