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**QUAD**

**Shape memory quadripodic staple**

# QUAD

## Shape Memory Quadripodic Staple

### New Concept

**RTS : Room Temperature Shape-Memory Staple.**

The Memodyn staples are made of a proprietary biocompatible shape-memory alloy (Nickel-Titanium). They can be handled at room temperature and introduced into the surgical site without changing shape. When the staple is briefly warmed to approximately 45°-50°C (easily achieved by few seconds contact with a thermocutter), the staple takes its predetermined shape, compressing safely the bone sections to maintain in place.

### Introduction

An osteotomy or an arthrodesis may be stabilized with only one staple (two legs), however to obtain a better spatial stability two or even three staples may have to be implanted.

A single shape memory quadripodic staple allows to get an ideal spatial stability.

This Shape Memory Quadripodic Staple may be used in various foot and hand surgeries.

### Surgical technique

- An Osteotomy is performed
- Compressive reduction of the osteotomy is done
- Using the appropriate drilling guide, holes are performed
- The Shape Memory Quadripodic Staple is put in place
- The exposed section of the Staple is heated for few seconds with a warm instruments such as a thermocutter
- The Osteotomy is now stabilized, ancillary instrumentations can be removed.

Product References	Section	Drilling Diameter
QOC 10-4 (12 x 12)	1,2 x 0,9 mm	1,5 mm
QOC 12-6 (12 x 12)	1,5 x 1,5 mm	2 mm
QOC 15-7,5 (12 x 12)	2 x 1,5 mm	2,5 mm
QOC 20-12 (12 x 12)	3 x 2 mm	3,5 mm

*Leg Height x Leg Height*  
*Width*  
*Length*

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