

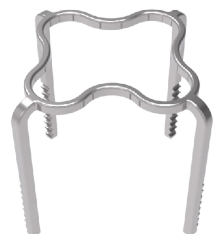
Clover Staple™

Dynamic + centralized compression for limited wrist fusions.^{1,2}

The BioPro® Clover Staple™ is a 3-leg and 4-leg nitinol memory-alloy staple specifically designed for four corner fusions and other limited wrist fusions in cases of carpal instability, Scaphoid Nonunion Advanced Collapse (SNAC) and Scapholunate Advanced Collapse (SLAC). The Clover Staple™ activates at patient body temperature, providing dynamic, centralized compression designed to speed up the fusion process.



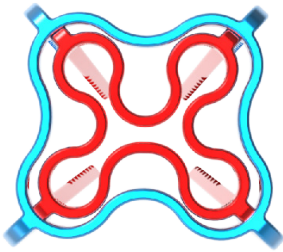
3-Leg
Clover Staple



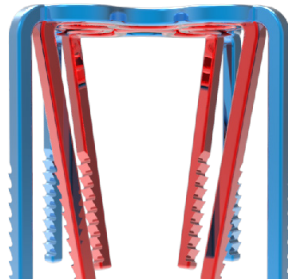
4-Leg
Clover Staple

BIOPRO


Top view



Side view



The Clover Staple™ was engineered to allow surgeons to use a single device and streamlined dorsal approach in intercarpal fusions, leaving the articular surfaces undisturbed. The 1mm profile and specially designed instrumentation allow the staples to sit flush, preventing dorsal impingement and maximizing motion. When exposed to the activation temperature, the staple will close, creating 4-6 lbs of compressive force.* The patented clover shape allows the entire staple to compress, not just the legs, pulling all the bones towards the center of the fusion site.

 Not activated

 Activated

	Clover Staple	2-Leg Staples	Screws	Circular Plates
Addresses intercarpal fusions with a single device	✓			✓
Dynamic compression	✓	✓		
Specifically designed for intercarpal fusions	✓			✓
Low profile design to prevent impingement	✓		✓	
Doesn't cross articulating cartilage	✓	✓		✓

ITEM #	DESCRIPTION
18259	4-LEG 10 X 8 X 10
18260	4-LEG 10 X 8 X 12.5
18261	4-LEG 10 X 8 X 15
18062	4-LEG 14 X 12 X 10
18063	4-LEG 14 X 12 X 12.5
18064	4-LEG 14 X 12 X 15
18065	4-LEG 18 X 16 X 10
18066	4-LEG 18 X 16 X 12.5
18067	4-LEG 18 X 16 X 15

ITEM #	DESCRIPTION
18262	3-LEG 10 X 8 X 10
18263	3-LEG 10 X 8 X 12.5
18264	3-LEG 10 X 8 X 15
18068	3-LEG 14 X 12 X 10
18069	3-LEG 14 X 12 X 12.5
18070	3-LEG 14 X 12 X 15
18071	3-LEG 18 X 16 X 10
18072	3-LEG 18 X 16 X 12.5
18073	3-LEG 18 X 16 X 15

1. John Faillace, MD. Limited Wrist Fusion Using a New Memory Staple. [unpublished raw data]

2. John Faillace, MD., Dr. Steve Boyea. NiTiNOL Low Profile Multi-pronged Memory Metal Staple in Small Bone Fusion. Presented at the 72nd Annual Meeting of the ASSH. San Francisco. September 2017
*Data on file

This content is provided as an educational tool only and is not meant as medical advice in the usage of specific BioPro products. A healthcare professional must use their professional judgment in making any final determinations in product usage and technique. The product's Instructions for Use, should always be reviewed prior to surgery. Postoperative management is patient-specific and dependent on the treating professional's assessment. Individual results will vary and not all patients will experience the same postoperative activity level or outcomes. This information does not constitute medical, legal, or any other type of professional advice and should not be relied upon as such. It is not to be redistributed, duplicated, or disclosed without the express written consent of BioPro, Inc.

Patent #8,062,297



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