



## JAWS™ Nitinol Staple System

### BEFORE USING PRODUCT, READ THE FOLLOWING IMPORTANT INFORMATION

#### SYMBOLS GLOSSARY LOCATED ON REVERSE SIDE.

This booklet is designed to assist in using the JAWS™ Nitinol Staple System. It is not a reference for surgical techniques.

#### CAUTION

Federal Law (USA) restricts this device to sale and use by, or on the order of, a physician.

#### DESCRIPTION

The JAWS™ Nitinol Staple System consists of a series of nickel titanium alloy staple implants and the instruments necessary for the treatment of pathologies of the foot and ankle. The JAWS™ bone staples are made from superelastic nitinol that does not require cold storage or heating. Implant sizes range from 8mm to 25mm.

#### INDICATIONS FOR USE

The JAWS™ Nitinol Staple System implants are indicated for use in osteotomy, arthrodesis and fragment fixation of the bones and joints of the foot including fixation of small bone fragments (i.e. small fragments of bone which are not comminuted to the extent to preclude staple placement) located in the long bones of the lower extremities such as the fibula and tibia.

#### CONTRAINDICATIONS

Use of the JAWS™ Nitinol Staple System is contraindicated in the following instances:

- Active or suspected infection or osteomyelitis
- Vascular, muscular or neurological pathologies that compromise the concerned extremity
- Poor bone quality, i.e. osteoporotic bone that is susceptible to fracture
- Known or suspected sensitivity to metal or foreign bodies
- Corpulence; an overweight or corpulent patient can strain the implant to such a degree that stabilization or implant failure can occur
- Physical conditions that may hinder the healing process
- Conditions that limit the patient's ability or willingness to follow postoperative instructions
- Whenever the use of the implant comes into conflict with the anatomical structures of physiological status

#### IMPLANT MATERIALS

The JAWS™ Staple System implants are manufactured from Nickel Titanium Alloy (Nitinol).

#### Potential Complications and Adverse Effects

In any surgical procedure, the potential for complications and adverse reactions exist. These do not include all adverse effects which can occur with surgery, but are important considerations particular to metallic internal stabilization devices.

- Infection
- Loosening, deformation, migration or fracture of the implant
- Fractures resulting from unilateral joint loading
- Tissue reactions as the result of allergy or foreign body reaction to dislodged particles
- Corrosion with localized tissue reaction and pain
- Pain, a feeling of malaise or abnormal sensations due to the implant used
- Bone loss due to stress shielding

Complications and adverse effects listed here are not typical of Paragon 28° Inc. products but are in principle observed with any implant. Promptly inform Paragon 28° as soon as complications occur in connection with the implants or surgical instruments used. In the event of premature failure of an implant in which a causal relationship with its geometry, surface quality or mechanical stability is suspected, please provide Paragon 28° with the explant(s) in a cleaned, disinfected and sterile condition. Paragon 28° cannot accept any other returns of used implants.

#### WARNINGS AND PRECAUTIONS

- For safe and effective use of the JAWS™ Nitinol Staple System, the surgeon should be familiar with the procedure and devices and must exercise reasonable judgment in use of the device. Improper selection, placement or positioning may result in reduced lifetime of the implant(s).
- Re-operation to remove or replace implants may be required at any time due to medical reasons or device failure. If corrective action is not taken, complications may occur.
- Do not resterilize the JAWS™ Nitinol Staple System implants or instruments. The implants and instruments are intended for single use only.
- Instruments are to be treated as sharps.
- Do not use other manufacturer's instruments or implants in conjunction with the JAWS™ Nitinol Staple System. Failure to use the provided, unique JAWS™ Nitinol Staple System instruments for every step of the implantation technique may compromise the integrity of the implanted device, leading to premature device failure and subsequent patient injury. Failed devices may require re-operation and removal.
- Carefully inspect the implants, instruments and packaging prior to use to assure they are in proper operational condition. Instruments which are faulty, damaged or suspect should not be used.

#### MR SAFETY INFORMATION

The JAWS™ Nitinol Staple System has not been evaluated for safety and compatibility in the MR environment. It has not been tested for heating, migration, or image artifact in the MR environment. The safety of the JAWS™ Nitinol Staple System in the MR environment is unknown. Scanning a patient who has this device may result in patient injury.

## HANDLING AND STERILIZATION

The JAWS™ Nitinol Staple System implants and instruments in this system are provided sterile by exposure to a minimum dose of 25kGy of gamma radiation. Do not resterilize. Single use only. Do not use implants after expiration date.

The sterile packaging should be inspected to ensure that the packaging has not been damaged or previously opened. If the inner package integrity has been compromised, **do not use the implant or instruments**. Contact the manufacturer for further instructions. The implants should be opened using an aseptic technique. The implant should only be opened after the correct size has been determined.

## INSTRUCTIONS FOR USE

The JAWS™ Nitinol Staple System should only be implanted by surgeons who are fully experienced in the use of such implants and the required specialized surgical techniques. Refer to the JAWS™ Nitinol Staple System Surgical Technique (P70-STG-0001) for complete instructions for use. For product information or to obtain a copy of the surgical technique manual, please contact Paragon 28® by phone, (855) 786-2828.

## IMPLANT REMOVAL

- Instrumentation can be provided for implant removal
- Removal instructions are provided in the JAWS™ Nitinol Staple System Surgical Technique (P70-STG-0001)

## PRODUCT COMPLAINTS

The customer or health care provider should report any dissatisfaction with the product quality, labeling, or performance to Paragon 28®, Inc. immediately. Paragon 28®, Inc. should be notified immediately of any product malfunction by telephone or written correspondence. When filing a complaint, the name, part number and lot number of the part should be provided along with the name and address of the person filing the complaint.












**Please contact company for product inquiries, cleaning instructions and surgical techniques, or to report any adverse event.**

  
Paragon 28, Inc.  
4B Inverness Ct. E, Suite 280  
Englewood CO, 80112  
(855) 786-2828

  
Emergo Europe  
Prinsessegracht 20  
2514 AP The Hague  
The Netherlands

**Australian Sponsor**  
Emergo Australia  
Level 20, Tower II  
Darling Park  
201 Sussex Street  
Sydney, NSW 2000

## SYMBOLS GLOSSARY

	Authorized representative in the European Community		Manufacturer
	Use-by date		Lot number
	Catalogue number		Sterilized using irradiation
	Do not resterilize		Do not use if package is damaged
	Caution, consult instructions for use		Do not re-use
	For prescription use only		

\*Symbols glossary per ISO 15223-1

CE0086



## JAWS™ Nitinol Staple System

### BEFORE USING PRODUCT, READ THE FOLLOWING IMPORTANT INFORMATION

A FULL SYMBOLS GLOSSARY CAN BE FOUND AT:  
[www.paragon28.com/resources](http://www.paragon28.com/resources)

This booklet is designed to assist in using the JAWS™ Nitinol Staple System. It is not a reference for surgical techniques.

### CAUTION

Federal Law (USA) restricts this device to sale and use by, or on the order of, a physician.

### DESCRIPTION

The JAWS™ Nitinol Staple System consists of a series of nickel titanium alloy staple implants and the instruments necessary for the treatment of pathologies of the foot and ankle. The JAWS™ bone staples are made from superelastic nitinol that does not require cold storage or heating. Implant sizes range from 8mm to 25mm.

### INDICATIONS FOR USE

The JAWS™ Nitinol Staple System implants are indicated for use in osteotomy, arthrodesis and fragment fixation of the bones and joints of the foot including fixation of small bone fragments (i.e. small fragments of bone which are not comminuted to the extent to preclude staple placement) located in the long bones of the lower extremities such as the fibula and tibia.

### CONTRAINDICATIONS

Use of the JAWS™ Nitinol Staple System is contraindicated in the following instances:

- Active or suspected infection or osteomyelitis
- Vascular, muscular or neurological pathologies that compromise the concerned extremity
- Poor bone quality, i.e. osteoporotic bone that is susceptible to fracture
- Known or suspected sensitivity to metal or foreign bodies
- Corpulence; an overweight or corpulent patient can strain the implant to such a degree that stabilization or implant failure can occur
- Physical conditions that may hinder the healing process
- Conditions that limit the patient's ability or willingness to follow postoperative instructions
- Whenever the use of the implant comes into conflict with the anatomical structures of physiological status

### IMPLANT MATERIALS

The JAWS™ Staple System implants are manufactured from Nickel Titanium Alloy (Nitinol).

### Potential Complications and Adverse Effects

In any surgical procedure, the potential for complications and adverse reactions exist. These do not include all adverse effects which can occur with surgery, but are important considerations particular to metallic internal stabilization devices.

- Infection
- Loosening, deformation, migration or fracture of the implant
- Fractures resulting from unilateral joint loading
- Tissue reactions as the result of allergy or foreign body reaction to dislodged particles
- Corrosion with localized tissue reaction and pain
- Pain, a feeling of malaise or abnormal sensations due to the implant used
- Bone loss due to stress shielding

Complications and adverse effects listed here are not typical of Paragon 28° Inc. products but are in principle observed with any implant. Promptly inform Paragon 28° as soon as complications occur in connection with the implants or surgical instruments used. In the event of premature failure of an implant in which a causal relationship with its geometry, surface quality or mechanical stability is suspected, please provide Paragon 28° with the explant(s) in a cleaned, disinfected and sterile condition. Paragon 28° cannot accept any other returns of used implants.

### WARNINGS AND PRECAUTIONS

- For safe and effective use of the JAWS™ Nitinol Staple System, the surgeon should be familiar with the procedure and devices and must exercise reasonable judgment in use of the device. Improper selection, placement or positioning may result in reduced lifetime of the implant(s).
- Re-operation to remove or replace implants may be required at any time due to medical reasons or device failure. If corrective action is not taken, complications may occur.
- Do not resterilize the JAWS™ Nitinol Staple System implants or instruments. The implants and instruments are intended for single use only.
- Instruments are to be treated as sharps.
- Do not use other manufacturer's instruments or implants in conjunction with the JAWS™ Nitinol Staple System. Failure to use the provided, unique JAWS™ Nitinol Staple System instruments for every step of the implantation technique may compromise the integrity of the implanted device, leading to premature device failure and subsequent patient injury. Failed devices may require re-operation and removal.
- Carefully inspect the implants, instruments and packaging prior to use to assure they are in proper operational condition. Instruments which are faulty, damaged or suspect should not be used.

### MR SAFETY INFORMATION

The JAWS™ Nitinol Staple System has not been evaluated for safety and compatibility in the MR environment. It has not been tested for heating, migration, or image artifact in the MR environment. The safety of the JAWS™ Nitinol Staple System in the MR environment is unknown. Scanning a patient who has this device may result in patient injury.

## HANDLING AND STERILIZATION

The JAWS™ Nitinol Staple System implants and instruments in this system are provided sterile by exposure to a minimum dose of 25kGy of gamma radiation. Do not resterilize. Single use only. Do not use implants after expiration date.

The sterile packaging should be inspected to ensure that the packaging has not been damaged or previously opened. If the inner package integrity has been compromised, **do not use the implant or instruments**. Contact the manufacturer for further instructions. The implants should be opened using an aseptic technique. The implant should only be opened after the correct size has been determined.

## INSTRUCTIONS FOR USE

The JAWS™ Nitinol Staple System should only be implanted by surgeons who are fully experienced in the use of such implants and the required specialized surgical techniques. Refer to the JAWS™ Nitinol Staple System Surgical Technique (P70-STG-0001) for complete instructions for use. For product information or to obtain a copy of the surgical technique manual, please contact Paragon 28® by phone, (855) 786-2828.

## IMPLANT REMOVAL

- Instrumentation can be provided for implant removal
- Removal instructions are provided in the JAWS™ Nitinol Staple System Surgical Technique (P70-STG-0001)

## PRODUCT COMPLAINTS

The customer or health care provider should report any dissatisfaction with the product quality, labeling, or performance to Paragon 28®, Inc. immediately. Paragon 28®, Inc. should be notified immediately of any product malfunction by telephone or written correspondence. When filing a complaint, the name, part number and lot number of the part should be provided along with the name and address of the person filing the complaint.

**Please contact company for product inquiries, cleaning instructions and surgical techniques, or to report any adverse event.**



Paragon 28, Inc.  
4B Inverness Ct. E, Suite 280  
Englewood CO, 80112  
(855) 786-2828



Emergo Europe  
Prinsessegracht 20  
2514 AP The Hague  
The Netherlands

### Australian Sponsor

Emergo Australia  
Level 20, Tower II  
Darling Park  
201 Sussex Street  
Sydney, NSW 2000

C€0086