

## MICROVASCULAR ANASTOMOTIC COUPLER

### Safe, Fast, Easy Way to Perform

The GEM Microvascular Anastomotic COUPLER Device and System have been specifically designed for use in the anastomosis of veins and arteries normally encountered in microsurgical procedures.

The GEM COUPLER rings are made of high density polyethylene and surgical grade stainless steel pins, intended for use with veins and arteries having an outside diameter no smaller than 0.8mm and no larger than 4.3mm and a wall thickness of 0.5mm or less.

### The COUPLER has several distinct advantages\*

- Time savings versus hand suturing which means reduced ischemic time for the flap, less exposure to anesthesia, and less OR time
- Intima-to-intima contact without any intraluminal foreign (suture) material which should decrease the rate of thrombosis
- Anastomoses are 50% stronger than sutured anastomosis at 4 months, and may benefit from the scaffold effect of the rings which prevent the vessel wall from collapsing
- Manages vessel size mismatches better than traditional suturing techniques
- Several large series have documented the simplicity and dependability of this device in both end-to end and end-to side anastomotic configurations, for use in various parts of the body

The GEM Microvascular Anastomotic COUPLER System consists of a reusable Anastomotic Instrument, reusable COUPLER Forceps, and a reusable Double-Ended Vessel Measuring Gauge. The GEM COUPLERS are sterile, intended for single-patient use only, and are available in seven sizes.

### Ordering Information

Microvascular Anastomotic Coupling (MAC) System

GEM2741CC Complete System includes the following components:

GEM2740 Reusable, Titanium-Tipped Anastomotic Instrument

GEM2745 Anodized Aluminum Sterilization Tray

GEM2749 Non-Glare Stainless Steel Double-Ended Vessel Measuring Gauge

GEM4183C COUPLER Forceps (2), 18cm – For everting the vessel over the pins

### GEM COUPLERS – Available in Single Units or in a Box of 6

GEM2750 1.0mm COUPLER

GEM2751 1.5mm COUPLER

GEM2752 2.0mm COUPLER

GEM2753 2.5mm COUPLER

GEM2754 3.0mm COUPLER

GEM2755 3.5mm COUPLER

GEM2756 4.0mm COUPLER



# MICROVASCULAR ANASTOMOTIC COUPLER



## ORDERING INFO

### COUPLER SYSTEM

GEM2741CC	Complete System includes (2) COUPLER Forceps and the following:
GEM2740	Reusable, Titanium-Tipped Anastomotic Instrument
GEM2745	Anodized Aluminum Sterilization Tray
GEM2749	Non-Glare Stainless Steel Double-Ended Vessel Measuring Gauge
GEM4183C	(2) COUPLER Forceps, 18cm, for evertting the vessel over the pins
GEM2551-CS	Single layer tray – Includes: Anastomotic Instrument, (2) COUPLER Forceps, Measuring Gauge & (2) MicroClip applicers 15cm
GEM2551-2-CS	Double layer tray – Includes: Anastomotic Instrument, (2) COUPLER Forceps, Measuring Gauge & (2) MicroClip applicers 15cm
GEM2750	1.0 mm COUPLER (gray) 6 per box
GEM2751	1.5 mm COUPLER (blue) 6 per box
GEM2752	2.0 mm COUPLER (green) 6 per box
GEM2753	2.5 mm COUPLER (red) 6 per box
GEM2754	3.0 mm COUPLER (yellow) 6 per box
GEM2755	3.5 mm COUPLER (purple) 6 per box
GEM2756	4.0 mm COUPLER (orange) 6 per box
GEM2750/I	1.0 mm COUPLER (gray) single, 1 each
GEM2751/I	1.5 mm COUPLER (blue) single, 1 each
GEM2752/I	2.0 mm COUPLER (green) single, 1 each
GEM2753/I	2.5 mm COUPLER (red) single, 1 each
GEM2754/I	3.0 mm COUPLER (yellow) single, 1 each
GEM2755/I	3.5 mm COUPLER (purple) single, 1 each
GEM2756/I	4.0 mm COUPLER (orange) single, 1 each