**INSTRUCTIONS FOR USE**

**Indications for Use**

• SPINR is used to maneuver guidewires in the coronary and peripheral vasculature during interventional or diagnostic procedures.

**Contraindications**

None known

**Precautions**

• Do not use if the guidewire is damaged or if damage is suspected.

**Instructions for use**

1. Insert the guidewire's proximal end into the distal tip of the Cap and test squeeze the Front Grip 1-2 full counterclockwise turns.

2. Tighten the Cap to secure to the guidewire. Over tightening any torque device may damage guidewires.

3. Loosen, but do not remove, the Cap 1 – 2 full counterclockwise turns. Do not advance, retract, or torque a guidewire without the Cap to control turning.

**Preparation**

• Use x-ray, fluoroscopic, CT, or direct observation during use of any torque device.

**MATERIALS REQUIRED FOR USE**

• Vascular access sheaths, intravascular catheters, and 0.014” to 0.038” guidewires compatible with torque devices featuring brass collets.

**Instructions for use**

• Controls the cause of any resistance before proceeding.

**Possible adverse effects during intravascular and surgical procedures**

• Death
• Bleeding requiring a surgical intervention or blood transfusion
• Damage or migration of implanted devices
• Total occlusion or thrombosis of the vessel
• Embolization of air, tissue, thrombus or device
• Movement of the SPINR or guidewire against resistance may result in vessel perforation, vessel occlusion, pseudoaneurysm, and kinking.

**Hazards**

• The system is supplied sterile for single-use only. Do not re-sterilize or re-use.

**CAUTION**

• Never advance or withdraw SPINR or guidewire against resistance.

**Usage**

• The system is intended for use in the neurovasculature.

• Do not resterilize or re-use.

**Side effects**

• None known

**Contraindications**

• Allergic, or other reactions, to contrast medium, procedure

**Indications for use**

• Device failure

**Precautions**

• Damage or migration of implanted devices

**Instructions for use**

• The guidewire is advanced, retracted, or torqued with care. Use prior to the “Use Before” date noted on the package.

• The system is supplied sterile for single-use only.

**CAUTION**

• A physician trained and/or experienced in the use of this device.

**Usage**

• The system is intended for use in the neurovasculature.

• Do not over tighten the Cap with a guide wire in place. Over tightening any torque device may damage guidewires.

**Side effects**

• None known

**Indications for use**

• Ischemic infarction of tissue or organ