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Osteosynthesis

# NeuroMatrix

## Collagen Nerve Conduit

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Peripheral Nerve Repair



# NeuroMatrix

## Collagen Nerve Conduit



**NeuroMatrix Type 1 Collagen Conduits**



**Digital Nerve Injury**



**Digital nerve with NeuroMatrix conduit**

REF Number	Inner Diameter	Length
CNC2025	2.0 mm	2.5 cm
CNC2525	2.5 mm	2.5 cm
CNC3025	3.0 mm	2.5 cm
CNC4025	4.0 mm	2.5 cm
CNC5025	5.0 mm	2.5 cm
CNC6025	6.0 mm	2.5 cm

## **Nerve Repair. Without Compromise.**

### **Stryker's NeuroMatrix conduit provides an effective, tensionless repair without associated autograft morbidity.**

#### **Type 1 Collagen is the material of choice for peripheral nerve repair**

- **Semipermeable conduit** - allows small-sized nutrients and neurotrophic factors to pass, yet provides a barrier to larger, scar-forming cells<sup>6</sup>
- **Very well received by soft tissue** – collagen is noninflammatory<sup>9</sup> and better accepted by soft tissue than PGA-based conduits<sup>2,7</sup>
- **Completely resorbable** and degrades through normal metabolic pathways usually within three to six months after implantation<sup>8</sup>

#### **A tensionless repair for improved patient outcomes**

- In many situations, a primary tensionless repair of the nerve is not possible, even with extensive mobilization. Extensive mobilization may also negatively influence the epineurial vasculature.  
The NeuroMatrix nerve conduit allows for a tensionless repair
- Studies suggest that regenerating axons accurately align themselves across a confined gap without the approximation of nerve fascicles.<sup>5,6,7</sup>
- Use of a conduit often allows for a more anatomically natural position postoperatively.

#### **Dependable. Stryker's NeuroMatrix is ready when you are**

- Conveniently available off-the-shelf at the time of surgery. Especially helpful when addressing severe trauma situations requiring multiple repairs.
- Three-year shelf life provides greater stocking options.
- Six standard sizes allow for accurate size-matching.

#### **Completely Stryker**

The only collagen conduit for nerve repair brought to you by the team physicians turn to for clinical support and improving patient outcomes worldwide.

#### **Nerve repair without the need to harvest an autograft**

- Removes the risk of donor-site deficit, scarring, and neuroma formation<sup>2</sup>
- No additional OR time needed to harvest an autograft
- May reduce the need for additional anesthesia – often required with sural graft-harvest surgery

#### **References:**

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