

## 3.0T Flex Coil

The NeoCoil GEM Flex Coil is an adaptable system for upper and lower extremities, head, neck and spine applications. The system delivers a high degree of versatility that is advantageous when imaging patients that don't fit the constraints of rigid coils. This coil improves the patient and technologist experience while enabling most exams to be completed with the same level of image quality expected from dedicated coils.

This system consists of:

- 3 flexible, lightweight antennae that accommodate various anatomic shapes and sizes.
- Multi-purpose immobilization devices designed for easy setup, patient comfort and reduced motion artifacts.
- A multichannel low-noise coil interface matched to the MRI scanner.

### Features

#### Antenna Arrays:

Each antenna array features 16 elements optimized to provide deep penetration SNR that is as good as or better than comparable rigid coils. Unlike traditional hard-cased coils, the lightweight arrays with integrated strap can wrap around regular or irregular anatomy to provide form-fitting comfort and immobilization; the arrays can also lie flat.

Array Specifications:

Array	Coverage (cm)	
	W x L	Wrap Diameter*
16-L: 16 Channel Large Array	23 x 71	15.5 - 21.5
16-M: 16 Channel Medium Array	23 x 57	11.5 - 15.5
16-S: 16 Channel Small Array	23 x 44	9.0 - 12.5

\*Each array may be overlapped for smaller FOV; likewise array does not need to wrap completely.

#### Coil Interface:

Non-essential electronics are located in an external interface assembly, ensuring reduced weight on the patient and better conformance to anatomy.




### System Requirements

For use on 3.0T GE Magnetic Resonance Scanners with "P" type connectors (used on DV series scanners).

#### Knee Stabilization:

When additional stability or immobilization is required, any antenna array may be used in combination with an optional support base. This anti-slip base is form-fit to the MRI scanner table, providing comfortable immobilization. An integrated mechanism allows attachment of the antenna to the base, eliminating additional pads or straps. The support base provides contours for the coil interface and antennae for easy storage and fast set-up.



Item		Catalog
16-L Array		NC040000-D
16-M Array		NC033000-D
16-S Array		NC034000-D
Interface 16ch Fixed, P-Connector		NC032004-D

### Accessories

Item	Catalog
Knee Stabilization Device for Curved Table	NC026001-D
Knee Stabilization Device for Flat Table	NC026000-D
Accessory Kit, Includes: • General Purpose Strap • Stabilization Device for Curved and Flat Tables • Interface Module Cover	NC026009

### Coil Specifications

Component	Dimensions (W x L x H)	Weight
16-L Array	32cm x 71cm x 5cm	1.2kg
16-M Array	23cm x 57cm x 4cm	0.9kg
16-S Array	23cm x 44cm x 4cm	0.9kg
Interface Module	18cm x 23cm x 4cm	1.4kg

### Accessory Specifications

Component	Dimensions (W x L x H)	Weight
Knee Stabilization Device	41cm x 30cm x 15cm	1.2kg
Stabilization Device for Curved and Flat Tables	43cm x 39cm x 4cm	0.5kg
Interface Cover	24cm x 20cm x 5cm	0.07kg
General Purpose Strap	36cm x 4.5cm x 0.5cm	0.08kg