



1.5T GEM Flex Coils

The NeoCoil GEM Flex Coils are an adaptable system for upper and lower extremities, head, neck, and spine imaging applications. The system delivers a high degree of versatility that eliminates the constraints of rigid coils. These coils improve the patient and technologist experience while enabling most exams to be completed in less time with the same level of image quality expected from dedicated coils.



Product Offerings

- Small, medium, and large flexible, lightweight coils that accommodate various anatomic shapes and sizes
- A multichannel low-noise interface matched to the MRI scanner
- Multi-purpose immobilization devices designed for easy setup, patient comfort and reduced motion

Coil Specifications

Each coil features 16 elements optimized to provide deep penetration SNR that is as good as, or better than, comparable rigid coils. Unlike traditional rigid coils, the lightweight GEM Flex coils with integrated strap, can wrap around a variety of anatomy to provide form-fitting comfort and immobilization. The coils can also lay flat. Depending on orientation, parallel imaging acceleration factors of 2 or higher are practical.

Coil Interface

Select electronics are located in an external interface assembly, reducing coil weight and improving patient comfort. The interface can be used with any of the 3 coils.

Stabilizers and Pad Kit

The optional Stabilizer and Pad Kits add extra support and comfort when additional stability or immobilization is required for the foot/ankle, knee or elbow.

Note: For more information on Stabilizers and Pad Kits and for ordering see the Stabilizers and Pad Kit data sheet NC00S011

System Requirements

The coils are compatible with 1.5T GE Magnetic Resonance Scanners with "HD" or "P" type connectors.



Coil Specifications

Component	Dimensions L x W x H	Weight	Coverage (cm)	
			L x W (Flat)	Wrap Diameter*
16-Channel Large Coil	23 cm x 71 cm x 4 cm	1.0 kg	18.5 x 68.5	15.5 - 21.5
16-Channel Medium Coil	23 cm x 57 cm x 4 cm	0.9 kg	18 x 46	11.5 - 15.5
16-Channel Small Coil	23 cm x 44 cm x 4 cm	0.9 kg	18 x 37	9.0 - 12.5
Interface Module	18 cm x 23 cm x 4 cm	1.3 kg	N/A	

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

Ordering Information

Item	Catalog
GEM Flex Coil 16-L Array, 1.5T Receive Only	NC030000
GEM Flex Coil 16-M Array, 1.5T Receive Only	NC023000
GEM Flex Coil 16-S Array, 1.5T Receive Only	NC024000
GEM Flex Interface 16ch Fixed, 1.5T P-Connector	NC022004
GEM Flex Interface 16ch Fixed, 1.5T HD-Connector	NC022003
GEM Flex Pediatric Interface, 16ch, 1.5T P-Connector	NC022008
Foot-Ankle Stabilizer, Flex Coils	NC074000
GEM Flex Knee Stabilization for Flat MRI tables	NC026000
GEM Flex Knee Stabilization for Curved MRI tables	NC026001
Elbow and Wrist Stabilizer, Flex Coils, Two Straps	NC074002
Extremities Positioner Kit, Flex Coils, Nine Pads	NC074004
GEM Flex Positioner Kit	NC026009

For more Information

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