



1.5T 16ch Flex SPEEDER Coils

The NeoCoil 1.5T 16ch Flex SPEEDER coils are lightweight, formable and versatile coils for high performance imaging of the upper and lower extremities, chest, abdomen, pelvis, and spine in adults and children. The coils deliver versatility and performance for all patients: large patients are not forced into or pinched by hard plastic; image quality for small patients is not compromised due to oversized coil housings. These coils improve the patient and technologist experience while enabling most exams to be completed with the same level of image quality expected from dedicated coils.



Kit Contents

- Two formable, flexible coils of different sizes that can be wrapped or orientated flat in order to accommodate different anatomic shapes and sizes.
- Optional accessories designed for patient comfort and reduced motion artifacts.

Technical Features

Each coil features 16 elements with integrated low-noise preamplifier optimized to provide deep penetration SNR that is as good as or better than comparable rigid coils. An integrated strap allows each coil to wrap around regular or irregular anatomy, providing form-fitting comfort and immobilization. The coils can also lay flat. Depending on orientation, parallel imaging acceleration factors of 2 or higher are possible. Coils can be used independently or with the Atlas Spine Coil imaging to provide solutions not possible with conventional coils.

Flex SPEEDER Stabilizers and Pad Kit

When additional stability or immobilization is required for the foot /ankle, knee, or elbow, a Flex SPEEDER Coil may be used in combination with an optional stabilizer. An integrated mechanism allows attachment of the coil to the stabilizer. For additional support to the bases, utilize the Flex Coil Pad Kit that adds extra support and comfort where it is needed.

* For more information on Flex Coil Accessories and for ordering see the accessories data sheet for Flex Coils.

Coil Specifications

Component	Dimensions (W x L x H)	Weight
1.5T 16ch Flex SPEEDER, Medium	31cm x 57cm x 5cm	1.4kg
1.5T 16ch Flex SPEEDER, Medium Cable with Connector	97cm (L)	N/A (included in coil weight)
1.5T 16ch Flex SPEEDER, Large	31cm x 73cm x 40cm	1.6kg
1.5T 16ch Flex SPEEDER, Large Cable with Connector	97cm (L)	N/A (included in coil weight)

Array	Coverage (cm)	
	W x L	Wrap Diameter*
1.5T 16ch Flex SPEEDER, Large	23 x 70	15.5 - 21.5
1.5T 16ch Flex SPEEDER, Medium	23 x 48	11.5 - 15.5

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

Accessories

Item	Catalog
Large Flex Coil Pad Kit:	NC048003
• Small "U" shaped pad	
• Large "U" shaped pad	
• Positioning Strap	
Medium Flex Coil Pad Kit:	NC048002
• Small "U" shaped pad	
• Large "U" shaped pad	
• Wrist pad	
• Positioning strap	NC048103
Knee Stabilizer for Titan table	

Stabilizers and Pad Kits

Item	Catalog
Foot/Ankle Stabilizer, two pads, strap	NC074000
Knee Stabilizer, two straps	NC074001
Elbow/Wrist Stabilizer, two straps	NC074002
Extremities Positioner Kit Nine Pads	NC074004
Pediatric SPEEDER Kit	NC036000

Ordering

Item	Catalog
1.5T 16ch Flex SPEEDER, Large	NC043000
1.5T 16ch Flex SPEEDER, Medium	NC042000

System Requirements

Compatible with 1.5T Toshiba MRI scanners with DL96 connectors.