

# PHILIPS

dS Flip Top  
Head Coil

MR coils



## Designed for **high quality** **and efficiency** in Neuro and Neuro Vascular imaging

### Key benefits

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- Light weight and flexible head top coil
- Reduce patient set up time up to 15%<sup>1</sup>
- Up to 15%<sup>1</sup> SNR increase for brain imaging
- dS SENSE acceleration factors has increased to  $\geq 2$  along Head-Foot direction with better image quality

dS Flip Top Head Coil is the new generation Breeze head coil with Prodiva 1.5T.

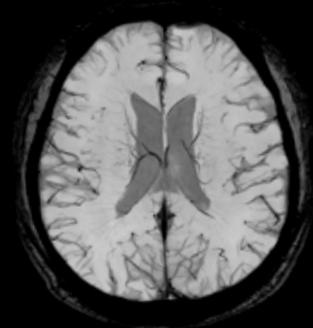
A smart design, by which the head top coil can be adapted to different patients' head size and brought closer to the head.

The new design of this coil can increase SNR for brain imaging up to 15%<sup>1</sup>.

It also takes the Breeze workflow's flexibility and ease of use to the next level. The coil has a flip functionality, the head top can be flipped back without having to remove it from the base, while scanning other anatomies and thus can almost always remain on the patient table, which reduces the steps for head coil set up and minimizes coil handling. It can reduce patient set up time up to 15%<sup>1</sup>. An open visual field is provided with a mirror to further enhance patient comfort. The head top is made of a soft and flexible material, which is designed to enhance operator and patient comfort.

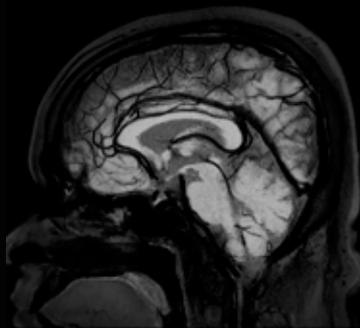
# dStream Flip Top Head Coil

Systems	Prodiva 1.5T
Coverage	24cm (Head/ Brain), 45cm (Head/ Neck)
Number of elements	Total spine: 22 elements, Head/brain: 12 elements, Head/neck: 23 elements (Combined with optional anterior coil), Total Neuro: 30 elements
Main Applications	Head and brain, Spine, Total Neuro , Neurovascular, PV Angio (Feet first), Paediatric
In combination with anterior coils	TorsoCardiac, MSK
Weight (Head Top)	900g
Coil Solution type	Integrated
Data sampling	dStream digital broadband
dS SENSE parallel imaging	Up to 16
Patient comfort features	Mirror providing open visual field, Head base is fitted with natural tilt feature where it connects to Posterior coil to enhance patient comfort. Optional In-bore mirror that can be used both with head top on and off.



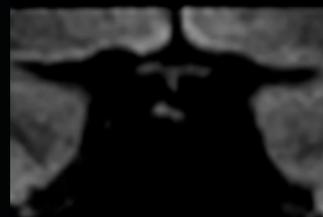
### SWIp

TR: 52ms  
TE: 12ms  
ST: 5:10m  
Voxel Size: 0.6X0.6X2mm



### 3D BrainView BB MSDE

TR: 700ms  
TE: 29ms  
ST: 5:05m  
Voxel Size: 0.9X0.9X0.9mm  
Slices: 444



### Zoom DWI

TR: 2800ms  
TE: 85ms  
ST: 5:44m  
Voxel Size: 1.21X1.189X3mm  
B Value: 1000

1 dS Flip top head coil compares with Prodiva dS NVS head coil in routine exams set up. This material is not for distribution in the USA.

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