



PHILIPS

dStream TotalSpine

MR coils

High quality spine imaging

dS TotalSpine coil for 1.5T and 3.0T systems with dStream

Key benefits

- Digitization in the coil for increased SNR
 - Integrated coil solution
 - Open visual field with mirror to enhance patient comfort
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The dStream (dS) TotalSpine is an integrated coil solution for (total) spine related imaging. It combines the Base with the FlexCoverage Posterior coil, integrated in the table.

The dStream digital RF architecture enables an exceptional signal-to-noise ratio (SNR) through digitization in the coil and enhanced dS SENSE parallel imaging performance. An open visual field is provided with a mirror. On wide bore systems, the head section can be tilted to allow flexible positioning and enhance patient comfort.

dStream TotalSpine coil

Coverage	90 cm (total spine)
Maximum number of channels	44 (total spine)
Main applications	(total) spine
Coil solution type	Integrated
Data sampling	dStream digital broadband
SENSE parallel imaging	dS-SENSE enhanced parallel imaging performance
Other features	<ul style="list-style-type: none"> - Mirror providing open visual field - Optional FlexTilt device enhances patient comfort (wide bore systems only)



Sagittal T1w TSE - Lumbar spine (obese patient)
Resolution:
 0.8 x 1.0 x 4.0 mm
Scan time: 2:19 min
 Ingenia 3.0T
 Courtesy: Krankenhaus der Barmherzigen Bruder, Trier, Germany



Sagittal T2w TSE - Cervical Spine
Resolution:
 0.7 x 0.9 x 4.0 mm
Scan time: 2:46 min
 Ingenia 1.5T
 Courtesy: University Medical Center, Utrecht, The Netherlands



Sagittal T1w TSE - Total Spine
Resolution:
 0.8 x 1.0 x 4.0 mm
Scan time: 4:10 min
 Ingenia 1.5T
 Courtesy: Aarhus University Hospital, Denmark

