

CAMScout®

New Generation Steerable Motor



CAMScout® is a patented compound angle motor that incorporates an internal tilted mandrel with a traditional low external bend housing to achieve high build rates. The external bend assists with steerability and toolface control while allowing the drill string to rotate at very high speeds.

Utilizing advanced bearing technology, and new manufacturing techniques, CAMScout was designed for vertical, curve, and lateral shale drilling applications. Various bend angles and stabilization options allow CAMScout to be configured specifically for the intended application.

CAMScout can also be embedded with CuBIC® sensors from Sanvean Technologies to record lateral and axial shock and vibration, string and bit RPM, as well as the temperature above and below the motor. CuBIC sensors also map drilling dynamics responses in different formations.

Benefits:

- High-dogleg capability/increase
- Increased surface RPM
- Neutral rotary build/drop tendency
- Built on proven bearing technology and driveline components
- Improved borehole quality
- Reduced vibration
- Can be embedded with CuBIC® drilling dynamic sensors which add no additional length or connections to the motor and can be used for condition-based monitoring and to enhance performance.
- CuBIC eliminates anecdotal and opinionated decisions - make decisions based on downhole facts



CAM Specifications	5"	5-3/4"	6-1/2"	7-1/8"	8"
Hole Size	6-1/8" - 6-3/4"	6-3/4"	7-7/8" - 8-3/4"	8-1/2" - 8-3/4"	9-7/8" - 12-1/4"
Bit Box	3-1/2" Reg	3-1/2" Reg	4-1/2" Reg	4-1/2" Reg	6-5/8" Reg
Mandrel Bore	1"	1-1/4"	1-1/2"	1-3/4"	2"
Maximum WOB - Dynamic	36,000 lbs	41,500 lbs	56,000 lbs	58,000 lbs	86,000 lbs
Maximum WOB - STATIC	101,000 lbs	116,000 lbs	160,000 lbs	164,000 lbs	240,000 lbs
Maximum Bit Overpull	125,000 lbs	132,000 lbs	197,000 lbs	202,000 lbs	396,000 lbs
Absolute Overpull	535,000 lbs	615,000 lbs	845,000 lbs	865,000 lbs	990,000 lbs
Bearing Section Torque Capacity	14,000 ft-lbs	19,000 ft-lbs	35,000 ft-lbs	43,000 ft-lbs	55,000 ft-lbs

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