

CT Plus

4 1/2 in CT117 Milled Tooth

(114mm) ID:0065007010
IADC:117



The CT Plus product line of roller cone bits are designed specifically to optimize performance in plug milling including coiled tubing and workover operations, small-diameter CT Plus* coiled tubing bit from Smith Bits, enable operators to reduce milling time and drill all required plugs in one run. CT Plus roller cone bits incorporate the latest Smith Bits technology to perform with greater reliability while drilling composite plugs. The bits are engineered for extended-reach milling operations in various applications and include premium design features.

CT Plus Bits Incorporate

- Field proven technology
- Solid ROP
- Reliable bearing packages
- Lubricants and elastomers that provide reliable performance•
- Predictable cutting structures and hardfacing
- Applicable to very soft to medium formation drilling

Specifications

Bearing Type	Spinodal 2
Seal Type	V-Ramp O-Ring Seals
Bit Connection Type	2 3/8 Reg
Rows	Total: 7 Inner: 4 Gage: 3
Inserts/Teeth	Total: 55 Inner: 24 Gage: 31

Operating Parameters

Weight on Bit	10,000 To 25,000 (lbf) 4,400 To 11,000 (daN) 4.5 To 11 (Tonnes)
Rotary Speed (RPM)	50 To 300
Recommended Make-up Torque	3,000 To 3,500 ft/lbs

Operating parameters are typical ranges. Please contact your Smith Bits representative for recommendations for your individual well.

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FEATURES

- Spinodal 2 bearing ensures longer runs at higher ROP. This proprietary material offers maximum wear resistance and withstands extreme load forces for longer periods than conventional bearing materials.
- Premium hardmetal material reduces wear, provides superior durability and ensures that a full gauge hole is drilled.
- The V-Ramp seal's unique design distributes contact pressure over a wider contact area ensuring a more consistent track on the bit leg. This results in extended seal life which allows the bit to stay in the hole longer and drill more footage.
- The PS feature offers strategically placed clusters of semi-round top (SRT) shaped carbide inserts that maximize leg protection, prevent bit wear, and substantially increase bit life in abrasive formations.

