

Xplorer TCT

Two-cone drill bits

APPLICATIONS

- Roller cone drill bits in soft-to-medium strength formations

BENEFITS

- Improved ROP
- Reduced vibration
- Increased bit life

FEATURES

- Lower tooth count
- Higher point loading per tooth
- Four points of stabilization
- Available in TCI and milled-tooth cutting structures

Xplorer TCT* two-cone drill bits are designed using the dynamic modeling capabilities of the IDEAS* integrated dynamic design and analysis platform. Extensive analysis ensures that the cutting structure layout optimally exploits the bits' unique characteristics. Xplorer TCT bits have lower tooth counts than equivalent three-cone bits and higher point loading per tooth for improved formation penetration. They also benefit from enhanced insert geometries and the latest carbides and hardfacing materials.

Xplorer TCT bits have four points of stabilization. The lug-pad and leg-back placement, along with the forging geometry, reduces vibration, increases bit life, and enables a higher ROP. In addition, the lug pads and leg backs are protected by TCIs to stabilize the bit and ensure a full-gauge wellbore.



Smith Bits offers both milled-tooth and TCI roller cone bits.

slb.com/rollercone

SMITH BITS

A Schlumberger Company