

# Xplorer Shamal

## Carbonate-optimized inserts

### APPLICATIONS

- Roller cone drill bits in impact-prone carbonate formations

### BENEFITS

- Reduces heat checking and subsequent insert chipping and breakage
- Enables longer and faster bit runs due to improved dull condition

### FEATURES

- Coarse-grained tungsten carbide material
- Carbonate-optimized insert

Initially created for carbonate lithologies in the Middle East, Xplorer Shamal\* carbonate-optimized inserts elevate application-based drillbit design in a wide range of environments. With a specially designed insert shape, bits using these enhanced TCl cutting elements deliver maximum toughness for carbonate-based drilling operations around the world.



*Xplorer Shamal inserts are durable enough to enable carbonate-based drilling around the world.*

[slb.com/rollercone](http://slb.com/rollercone)

**SMITH BITS**

A Schlumberger Company