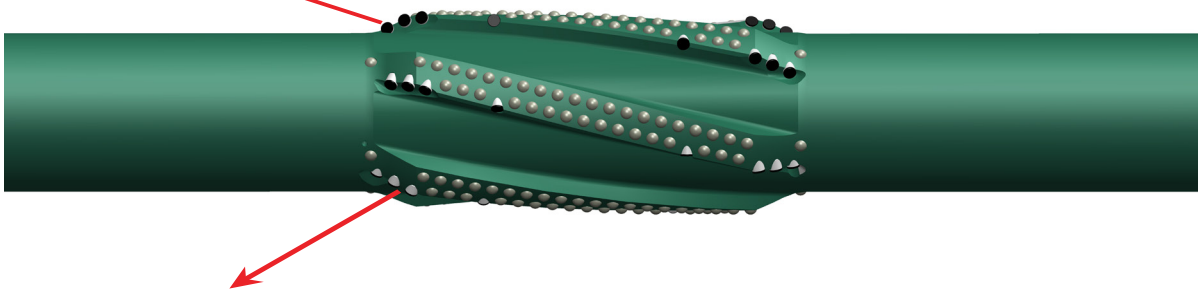
OMNI-VDR

OMNI VERSATILE DRILLING REAMER INFO SHEET

Main PDC
Cutting Structure

PDCs are mounted on blade tapers on the downhole- and backreaming sides.



Multi Gauge PDC
Structure

The Multi-Gauge PDC are optimally positioned to ensure uniform burden on all PDCs over a longer wall contact length.

FEATURES

- Fully structured PDC cutting structures on upper and lower ends.
- PDC cutting structures are normally passive, and are activated only when needed.
- Multi-gauge PDCs to maintain gauge in long and harsh drilling sections.
- Engineered TCI reaming structure to produce superior hole quality.
- Blade coverage designed to suit application.
- Max TFA provided for better hole cleaning.

BENEFITS

- Insurance against costly stuck-pipe situations and LIH.
- Improved hole quality:
  - More efficient WOB transmission to the bit, hence, higher ROP.
  - Reduced overall drilling torque.
  - Reduced casing running times.
- Vibration damping.

SUITABLE FORMATION

The SBR can be used in any formation drillable by PDC Cutters.

APPLICATIONS

- Poor hole quality.
- Heavy backreaming.
- Tight spots and key-seating.
- Excessive drilling torques.
- Hole tortuosity and irregularities.
- Ledges and minor doglegs.
- Problematic formations: reactive (salt formations, swelling formations), unconsolidated, over-pressed, faulted, mobile.

RECOMMENDATIONS

- The SBR should be used 1/8” - 1/4” undergauge.
- Recommended placement as the top-most gauge tool. Other locations are possible.
- Rotation is necessary for the SBR to function.