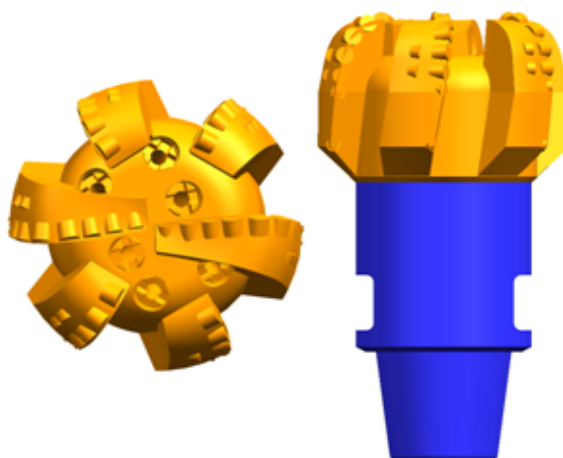




DIAMOND BIT OPERATION MANUAL

KMD1662DGR



• IADC CODE: M322

• BIT SPECIFICATIONS

Bit Dia. Code	8 1/2	Gage length(mm)	50
Bit Dia.(mm)	215.9	Type	KMD1662DGR
Blade count(pcs)	6	Junk slot area(mm ²)	10220
Main cutter size(mm)	Ø16	Bit Connection	4 1/2 REG
Number of nozzles(pcs)	6	Make up torque(KN.m)	17.0~22.4

• RECOMMENDED DRILLING PARAMETERS

RPM(r/min)	50-260
WOB(KN)	30-120
Flow rate(l/s)	25-35

• STRUCTURE FEATURES AND APPLICATIONS OF THE BIT

- According to alternative soft-hard formations, the bit specially is designed for drilling through interbedded formation in order to prevent compacts from premature failure.
- Bits for directional drilling applications are designed with shallow inner cone and profile of higher side cutting ability so that the bits are more suitable for directional drilling applications.
- Optimized bit profile design, suitable for drilling medium to medium-hard formations.□
- Non-symmetric blade design, force balancing and anti-whirl technologies are all incorporated in the bit design in order to prevent the bit from premature failure normally caused by bit whirl.
- Higher comprehensive performance of the bit is improved by utilizing high quality PDC compacts and optimal tooth arrangement technology.
- Back-reaming features are also designed to make the bit more suitable for various drilling processes.□
- Enhanced gage design to effectively protect bit diameter and prevent shrinkage.□

• CAUTIONS

- Please handle the bit with care to avoid collision between cutting elements and hard object.□
- Apply thread oil on connection threads before make up to mitigate any wear of the threads or stick between threads. At the beginning of making up, please turn steadily so as to prevent poor mating between threads or forcing the threads to make up.
- When trip in, let the bit pass wellhead installations slowly and smoothly in order to prevent the bit from damaging by any impact.