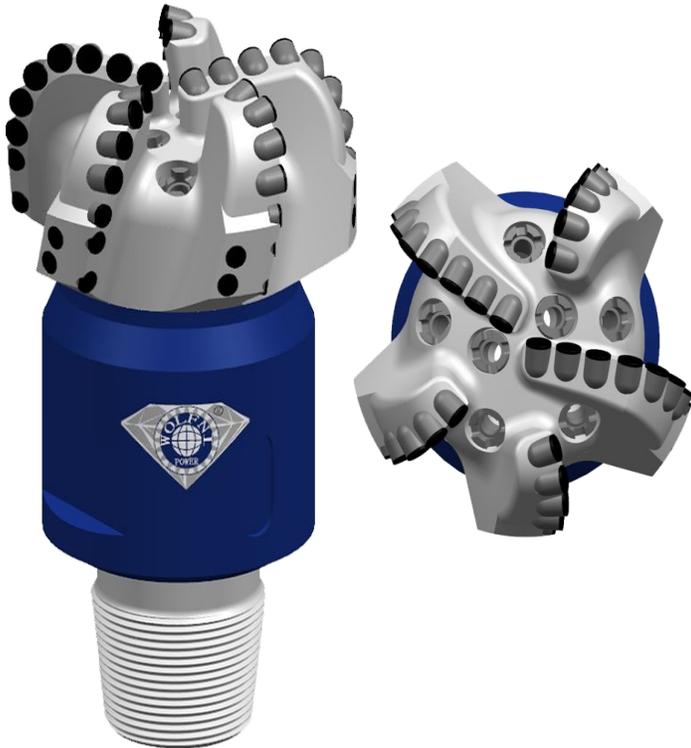




**Specs:8 3/4" WS516GSR(222.25mm)**

**IADC:S323**

**ID:WFN222S16505D**



### Design character:

- Spiral blades increase contact area between PDC bit and well wall to keep drilling stably, to prolong lifespan of PDC bits.
- Medium parabolic profiles PDC bit bounce lateral smally, make wall of well smoothly. This design suit for motor / rotary drilling, for high abrasive formation.
- Adopting CFD emulational technology to calculate to optimize PDC bit, then reduce possibility of heavy breaking and wearing of bit.
- Suit for well drilling in low compressive strength, even texture soft-medium rock formation. Such as wake shale, density marlstone, strong batt, wake sandstone, limestone, and soft gravel, etc.

Specialized for oil/gas well design ,high speed drilling & long life-span using

### Specifications:

Blade Qty	5
Total Cutters	41
Primary Cutter Size	15.88mm
Assistant Cutter Size	Non
Gauge Cutter Size	13.44mm
anti-quake ball size	Non
Nozzle Qty.	7
Crown length	120mm
Gauge length	39mm
Connetion Size	4 1/2REG
Make-up Torque	16.63—23.71kN.m
Assembly groove wID:th	145mm
Bit Weight	44.4kg

### Operating Parameters:

Rotary speed	60-260RPM
Flow rate	28-40L/S
Weigh on bit	20-100KN