



Specs:8 3/4" WS519GS (222.25mm)

IADC:S323

ID:WFN222S19512B



Design character:

- Spiral blades increase contact area between PDC bit and well wall to keep drilling stably, to prolong lifespan of PDC bits.
- Adopting CFD emulational technology to calculate to optimize PDC bit, then reduce possibility of heavy breaking and wearing of bit.
- Medium parabolic profiles PDC bit bounce lateral smally, make wall of well smoothly. This design suit for motor / rotary drilling, for high abrasive formation.
- 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	42
Primary Cutter Size	19.05mm
Assistant Cutter Size	Non
Gauge Cutter Size	13.44mm
anti-quake ball size	Non
Nozzle Qty.	5
Crown length	142.7mm
Gauge length	61mm
Connetion Size	4 1/2REG
Make-up Torque	16.63—23.71kN.m
Assembly groove wID:th	145mm
Bit Weight	45.6kg

Operating Parameters:

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