



Specs:8 1/2" WS519SGR(215.9mm)

IADC:S323

ID:WFN216S19503C



Design character:

■ Long parabolic profiles PDC bit cut rock greatly, have faster ROP. This design suit for rotary drilling in soft and low abrasive formation.

■ Adopting CFD emulational technology to calculate to optimize PDC bit, then reduce possibility of heavy breaking and wearing of bit.

■ Spiral blades increase contact area between PDC bit and well wall to keep drilling stably, to prolong lifespan of PDC bits.

■ 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.

Special for soft/medium formation oil/gas/mining well design, high speed drilling.

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	137.1mm
Gauge length	57mm
Connetion Size	4 1/2REG
Make-up Torque	16.3—21.7kN·m
Assembly groove wID:th	145mm
Bit Weight	46.3kg

Operating Parameters:

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