



Specs:9 " WS519GSV(228.6)

IADC:S323

ID:WFN229S19501A



Design character:

- Placement of stability cutters let PDC bits have good stability in drilling in abrasive formation, have longer life time. Then cost of drilling will be lower accordingly.
- Spiral blades increase contact area between PDC bit and well wall to keep drilling stably, to prolong lifespan of PDC bits.
- These back redressings at the base of gauge avoid difficult of pulling PDC bits out of hole in unconsolidated formation, and trim wall of well.
- 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 soft/medium formation oil/gas well designed ,excellent drilling ROP&stability

Specifications:

Blade Qty	5
Total Cutters	38
Primary Cutter Size	19.05mm
Assistant Cutter Size	Non
Gauge Cutter Size	13.44mm
anti-quake ball size	13.44mm
Nozzle Qty.	7
Crown length	154.6mm
Gauge length	58.6mm
Connetion Size	4 1/2REG
Make-up Torque	16.63—23.71kN.m
Assembly groove wID:th	145mm
Bit Weight	51kg

Operating Parameters:

Rotary speed	60-260RPM
Flow rate	35-45L/S
Weigh on bit	20-100KN