



Specs:12 1/4" WS519GSV(311.15mm)

IADC:S323

ID:WFN311S19506A



Design character:

- Spiral blades increase contact area between PDC bit and well wall to keep drilling stably, to prolong lifespan of PDC bits.
- 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.
- 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 design,shou us excellent drilling stability and high Rop

Specifications:

Blade Qty	5
Total Cutters	56
Primary Cutter Size	19.05mm
Assistant Cutter Size	Non
Gauge Cutter Size	13.44mm
anti-quake ball size	13.44mm
Nozzle Qty.	6
Crown length	198.9mm
Gauge length	79.5mm
Connetion Size	6 5/8REG
Make-up Torque	38—43.4kN·m
Assembly groove wID:th	180mm
Bit Weight	97kg

Operating Parameters:

Rotary speed	60-240RPM
Flow rate	50-60L/S
Weigh on bit	30-120KN