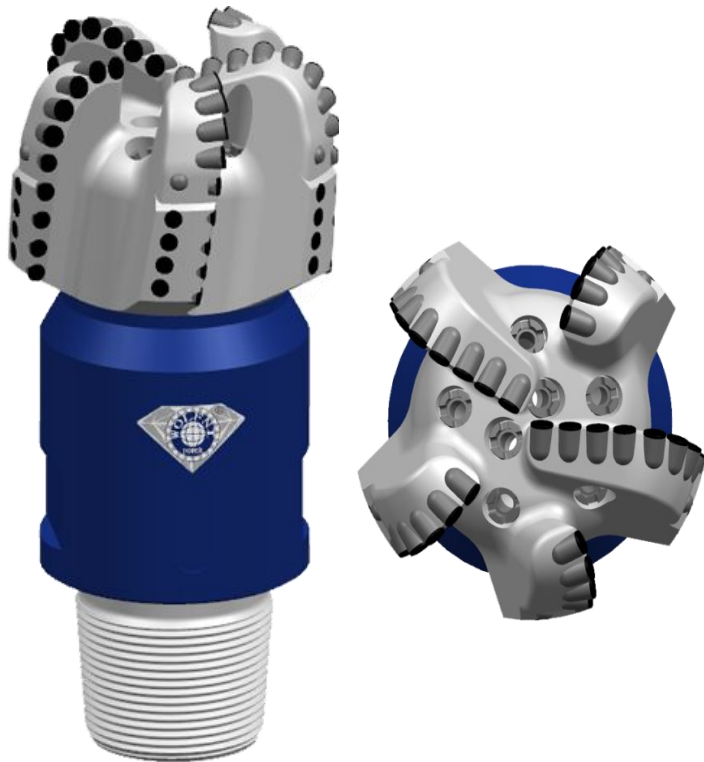




**Specs:9 7/8" WS519GSV(250.8mm)**

**IADC:S323**

**ID:WFN251S19501A**



### 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.
- the hydrofoil shape of the gauge channels hydraulic fluid and cutting to the annulus. This streamlined flow deters bailing initiation caused by vortices and eddies.
- 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 oil/gas well design with high ROP

### Specifications:

Blade Qty	5
Total Cutters	47
Primary Cutter Size	19.05mm
Assistant Cutter Size	Non
Gauge Cutter Size	13.44mm
anti-quake ball size	Non
Nozzle Qty.	7
Crown length	174.5mm
Gauge length	68mm
Connetion Size	6 5/8REG
Make-up Torque	38—43.4kN·m
Assembly groove wID:th	180mm
Bit Weight	82.5kg

### Operating Parameters:

Rotary speed	60-240RPM
Flow rate	40-50L/S
Weigh on bit	20-100KN