



Specs:8 3/4" WS519DR(222.25mm)

IADC:S423

ID:WFN222S19503G



### Design character:

- Dual-row cutters. The back row cutters help to cut rocks, to protect matrix, to prolong lifetime and to deduct cost of PDC bit.
- 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.
- Adopting CFD emulational technology to calculate to optimize PDC bit, then reduce possibility of heavy breaking and wearing of bit.
- Suit for well drilling in low compressive strength, even texture 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	57
Primary Cutter Size	19.05mm
Assistant Cutter Size	13.44mm
Gauge Cutter Size	13.44mm
anti-quake ball size	Non
Nozzle Qty.	6
Crown length	140mm
Gauge length	55.8mm
Connetion Size	4 1/2REG
Make-up Torque	16.63—23.71kN.m
Assembly groove wID:th	145mm
Bit Weight	47kg

### Operating Parameters:

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