



Specs:8 1/2" WS519D(215.9mm)

IADC:S423

ID:WFN216S19503I

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.
- Special design of back-rake angles will decrease torque on bit, increase bit aggressiveness, improve efficiency of ROP.
- Long parabolic profiles PDC bit cut rock greatly, have faster ROP. This design suit for rotary drilling in soft and low abrasive formation.
- 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 soft/medium formation oil/gas well designed ,excellent drilling ROP&stability

Specifications:

Blade Qty	5
Total Cutters	56
Primary Cutter Size	19.05mm
Assistant Cutter Size	16mm
Gauge Cutter Size	13.44mm
anti-quake ball size	Non
Nozzle Qty.	5
Crown length	140.7mm
Gauge length	58.3mm
Connetion Size	4 1/2REG
Make-up Torque	16.63—21.7kN.m
Assembly groove wID:th	148mm
Bit Weight	48kg

Operating Parameters:

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