



Specs:8 3/4" WS519R(222.25mm)

IADC:S323

ID:WFN222S19503F



Design character:

- 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.
- Straight blade and short gauge: When pumping pressure is low abrasive drilling mud can be discharged quickly to avoid bit balling and losing efficacy of bit.
- 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.
- 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 oil/gas well design ,high speed drilling & long life-span using

Specifications:

Blade Qty	5
Total Cutters	43
Primary Cutter Size	19.05mm
Assistant Cutter Size	Non
Gauge Cutter Size	13.44mm
anti-quake ball size	Non
Nozzle Qty.	5
Crown length	145mm
Gauge length	60mm
Connetion Size	4 1/2REG
Make-up Torque	16.63—23.71kN.m
Assembly groove wID:th	145mm
Bit Weight	48.3kg

Operating Parameters:

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