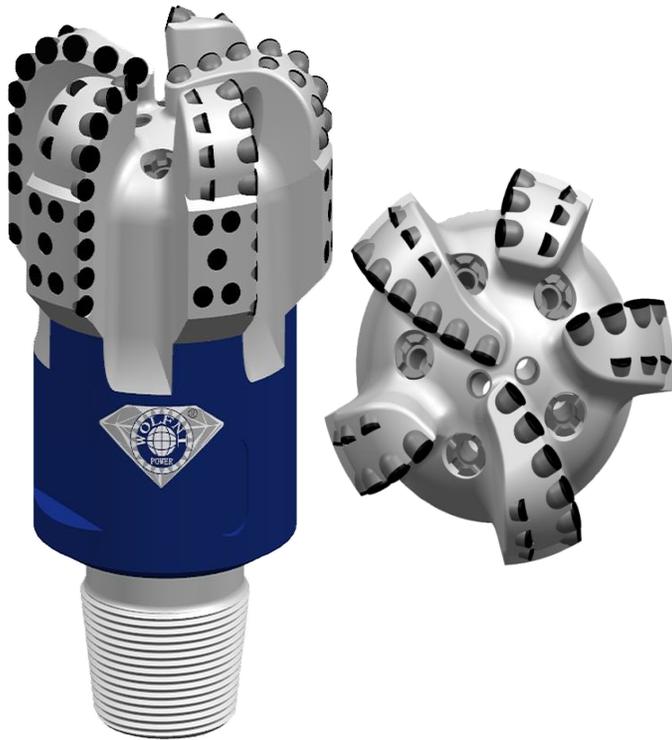




**Specs:8 1/2" WS516DR(215.9mm)**

**IADC:S424**

**ID:WFN216S16531A**



### **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.
- 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.
- 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.

Special for soft/medium formation oil/gas/mining well design, high speed drilling.

### **Specifications:**

Blade Qty	5
Total Cutters	63
Primary Cutter Size	15.88mm
Assistant Cutter Size	13.44mm
Gauge Cutter Size	13.44mm
anti-quake ball size	Non
Nozzle Qty.	5+2
Crown length	147mm
Gauge length	66mm
Connetion Size	4 1/2REG
Make-up Torque	16.3—21.7kN·m
Assembly groove wID:th	145mm
Bit Weight	48.7kg

### **Operating Parameters:**

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