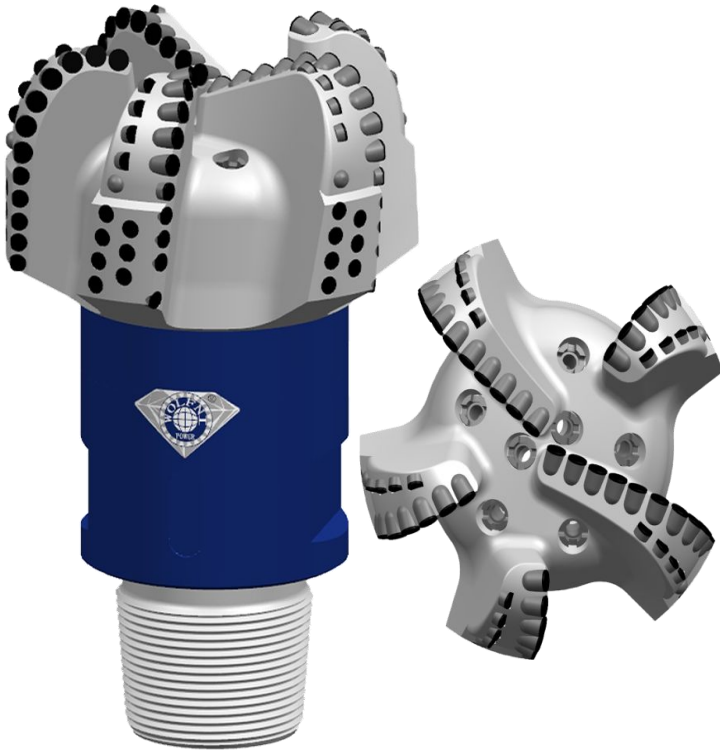




**Specs:12 1/4" WS516GSDV(311.15mm)**

**IADC:S423**

**ID:WFN311S16505B**



**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.
- 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.
- 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 medium /hard formation oil /gas well and have a strong formation adaptability.

**Specifications:**

Blade Qty	5
Total Cutters	83
Primary Cutter Size	16mm
Assistant Cutter Size	13.44mm
Gauge Cutter Size	13.44mm
anti-quake ball size	13.44mm
Nozzle Qty.	7
Crown length	189mm
Gauge length	71.4mm
Connetion Size	6 5/8REG
Make-up Torque	38—43.4kN·m
Assembly groove wID:th	180mm
Bit Weight	97.3kg

**Operating Parameters:**

Rotary speed	60-240RPM
Flow rate	50-60L/S
Weigh on bit	30-120KN