



**Specs: 6" WS516D(152.4mm)**

**IADC:S433**

**ID:WFN152S16502A**



**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.

■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.

■Special design of back-rake angles will decrease torque on bit, increase bit aggressiveness, improve efficiency of ROP.

■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 in Medium-hard formation for oil & gas well, Excellent drilling speed &long life-span using

**Specifications:**

Blade Qty	5
Total Cutters	44
Primary Cutter Size	16mm
Assistant Cutter Size	13.44mm
Gauge Cutter Size	13.44mm
anti-quake ball size	Non
Nozzle Qty.	5
Crown length	104mm
Gauge length	58mm
Connetion Size	3 1/2REG
Make-up Torque	6.90-10.23kN.m
Assembly groove wID:th	100mm
Bit Weight	18.9kg

**Operating Parameters:**

Rotary speed	60-300RPM
Flow rate	15-25L/S
Bit Weight on bit	20-80KN