

**Specs:** 8 1/2" WM516DR(215.9mm) IADC:M423 ID:WFN216M16501A



#### Specifications:

Blade Qty	5
Total Cutters	114
Primary Cutter Size	15.88mm
Assistant Cutter Size	13.44mm
Gauge Cutter Size	13.44mm
anti-quake ball size	10mm
Nozzle Qty.	4+1
Crown length	130.3mm
Gauge length	54.9mm
Connexion Size	4 1/2REG
Make-up Torque	16.3-21.7kN.m
Assembly groove wID:th	145mm
Bit Weight	60.4kg

#### Operating Parameters:

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

#### Design character:

High toughness and wear-resistance matrix body is adopted to reduce affects for blade broken, to make PDC bit apply to drilling mud in varieties sand concentration, to prolong life time of PDC bit

The back row cutters help to cut rocks, to prolong lifetime and to deduct cost of PDC bit.

Wide flow design discharges drilling mud smoothly. This design is suit for fast drilling.

This design let pressure on PDC bit is balanced in drilling, and ensure flow area of each blade of bit is fit for high abrasive formations(such as gritstone, quartz, etc.). Drilling rate can be 40 to 50 m/h.

