



Specs:8 1/2" WS616VR(215.9mm IADC:S424

ID:WFN216S16606B



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.
- 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.
- Short parabolic profiles of bit suit for medium abrasive formation, is good to directional drilling.
- 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 | 6 |
| Total Cutters | 54 |
| Primary Cutter Size | 15.88mm |
| Assistant Cutter Size | Non |
| Gauge Cutter Size | 13.44mm |
| anti-quake ball size | 13.44mm |
| Nozzle Qty. | 6 |
| Crown length | 184.6mm |
| Gauge length | 105.8mm |
| Connexion Size | 4 1/2REG |
| Make-up Torque | 16.3—21.7kN·m |
| Assembly groove width | 145mm |
| Bit Weight | 55.1kg |

Operating Parameters:

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