



## 12-1/4" (311mm) WLS80S



The WLS80S features durable dome inserts and two rows of gage protection inserts. With added cutting structure durability this design responds well to high pull down loads in formations ranging from hard to very hard. The "Sealed Journal" bearing with improved airflow characteristics maximizes bit life.

### CUTTING STRUCTURE DATA

IADC Code: 8 3 7  
Gauge Protection: 112 Flat Inserts  
Gauge Rows: 55 Dome Inserts  
Inner Rows: 130 Dome Inserts

### BEARING DATA

Type: Seal Journal Bearing

### FEATURES

Circulation: Direct Air Circulation with Three Jet Nozzles of Optional Size  
Leg Protection: Combination of Wear Resistant Hardfacing and Extra Inserts along the entire length of the shirrtail edge

### TECHNICAL DATA

Pin Connection: 6-5/8" API Regular  
Make-Up Torque: 28,000 to 32,000 ft-lbs.  
Weight on Bit: 70,000 to 100,000 lbs.  
Rotary Speed: 50 to 80 RPM  
Bit Weight: 100 kg

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