

Secoroc Rotary Products

Waterwell Steel Tooth Bits

4 1/2" F23

Adding value through performance



- **Cutting Structure**

Straight tooth on gage and inner rows. Hardmetal on heel and inner rows for better wear resistance and sustained penetration rates.

Designed for medium formations such as limestone, sandstone, dolomites and shale.

- **Shirrtail Protection**

Regular

- **Application**

3,000 – 12,000 PSI / 21 – 83 MPa

Product Specifications:

IADC Code:	2-3-2
Bearing Type:	Roller – Ball – Friction / Air Cooled
Circulation Type:	Center Flush Air
Cutting Structure:	Steel Tooth
-Inner and Nose Rows	- Straight Tooth
- Gage Rows	- Straight Tooth
-Gage Bevel Protection	- Hardmetal
Lug/Shirrtail Protection:	Regular / Hardmetal
Pin Connection:	2 3/8" API Regular
Metric Bit Diameter:	114 mm
Product Weight:	11.02 lbs / 5 kgs
Product Number/Code:	93002095 / 110-0114-23-FW-1R-02

Operating Suggestions:

Weight on Bit:	3,500 – 5,500 lbs per inch of diameter
Rotary Speed:	50 to 120 RPM
Air Back Pressure:	35 psi, minimum

Actual drilling parameters must be determined for specific applications.