



Design Specifications

Make up Length (ft):	1.20
Shank Bore (ins):	3.688
Shank Diam (ins):	9.750
Connection std:	Y
Connection Size(ins):	7.625
Connection Type:	REG PIN
Make up Torque (ft-lbs):	72000 - 80000
IADC Code:	S422
Diameter:(ins)	17 1/2"
Body Material:	Steel
JSA(in²):	123.350
Face Volume:(in³)	689.66
Normalised Face vol:	71.49%
Blade Qty:	5
Gauge Length:(ins)	4.000
Gauge Geometry:	Spiral-Trailing
Gauge Profile:	Slickgauge
Bit Profile:	Medium Taper - Medium Cone

Recommended Operating Parameters

Max Operating WOB (klbs):	79
Min TFA (in²):	0.2455
Max TFA (in²):	1.8560
Max Flow (gpm):	779
HSI:	1-6
Bit Breaker:	Thick 1 1/2"
Variant:	B1

Nozzles & Ports

Qty	Type	Size
5	TNZ	VARIABLE

Design Features

- Tektonic™ Drill Bits
- Polished PDC Cutters
- Forward Rake Blade Geometry
- Optimized Blade Spiral
- Dynamic Rotation Bit Modelling
- Advanced Fluid Flow Modelling
- Blade Front PDC Exposure
- Ballistic Waterway Profile
- DuraForce™ XD Impact Resistant Cutters

Cutting Structure

Type	Qty	Location	Diameter	Shape
Primary	47	FACE	19 mm	CYLINDER
Primary	5	GAGE	19 mm	CYLINDER
Hybrid	10	FACE	14 mm	DOME TOPPED
Hybrid	5	GAGE	14 mm	DOME TOPPED
Upream	5	BACK-ANGLE	13 mm	CYLINDER