

Drill Bit Spec Sheet



Cutting Structure

Type	Qty	Location	Diameter	Shape
Primary	35	FACE	13 mm	CYLINDER
Primary	8	FACE	13 mm	3D IMPACT
Primary	14	GAGE	13 mm	CYLINDER
Primary	7	BACK-ANGLE	13 mm	CYLINDER
Secondary	21	FACE	13 mm	CYLINDER

8 3/4"
FTKC73

PURSUIT
Tektonic™ Drill Bit Series

Design Specifications

Make up Length (ft):	.86
Shank Bore (ins):	2.250
Shank Diam (ins):	6.500
Connection std:	Y
Connection Size(ins):	4.5
Connection Type:	REG PIN SRG
Make up Torque (ft-lbs):	18000 - 20000
IADC Code:	M433
Diameter:(ins)	8 3/4"
Body Material:	MATRIX-TMS
JSA(in²):	14.120
Face Volume:(in³)	77.69
Normalised Face vol:	41.53%
Blade Qty:	7
Gauge Length:(ins)	3.000
Gauge Geometry:	Spiral-Trailing
Gauge Profile:	SmoothSteer
Bit Profile:	Medium Taper - Shallow Cone

Recommended Operating Parameters

Max Operating WOB (klbs):	39
Min TFA (in²):	0.3437
Max TFA (in²):	1.3741
Max Flow (gpm):	604
HSI:	2-7
Bit Breaker:	Thick 1 1/2"
Variant:	A1

Nozzles & Ports

Qty	Type	Size
7	C55	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

HDI - High Density Impregs

3D Shaped Cutters

ION™ PDC Cutters

SmoothSteer™ Gauges

DiamondBack™ cutters