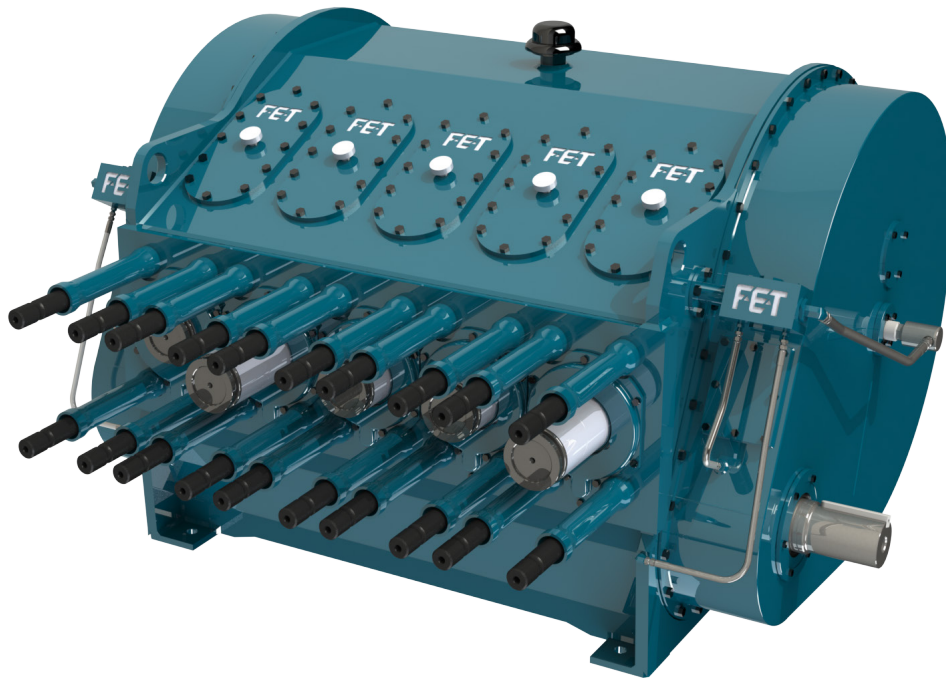


## FXD2500 Power End

FET Well Stimulation produces the industry's most reliable power ends. With more than 4,000,000 cumulative pump hours and our unparalleled, two-year frame warranty, you can rely on our power ends to perform consistently in the face of the industry's most challenging conditions.



### Design Features

### Benefits

Patented Figure 8 Frame Design

Enhanced Pinion Bearing Housing Support,  
Allowing Optimal Force Distribution Back Into the Frame

Oversized Spherical Roller Bearing

Superior Axial Loading Support Extends Overall Life

Direct Bearing Lubrication

Optimal Lube Film Hydrodynamics Increases Bearing Life

Floating Crank and Direct Lubrication  
to Crank Thrust Bearing

Superior Pump Timing Control with  
Improved Gear Mesh Longevity

One-Piece Connecting Rod

Improved Strength to Rod Assembly

Improved Strength to Rod Assembly

Minimizes Operating Cost

Pinion Bearing Housing

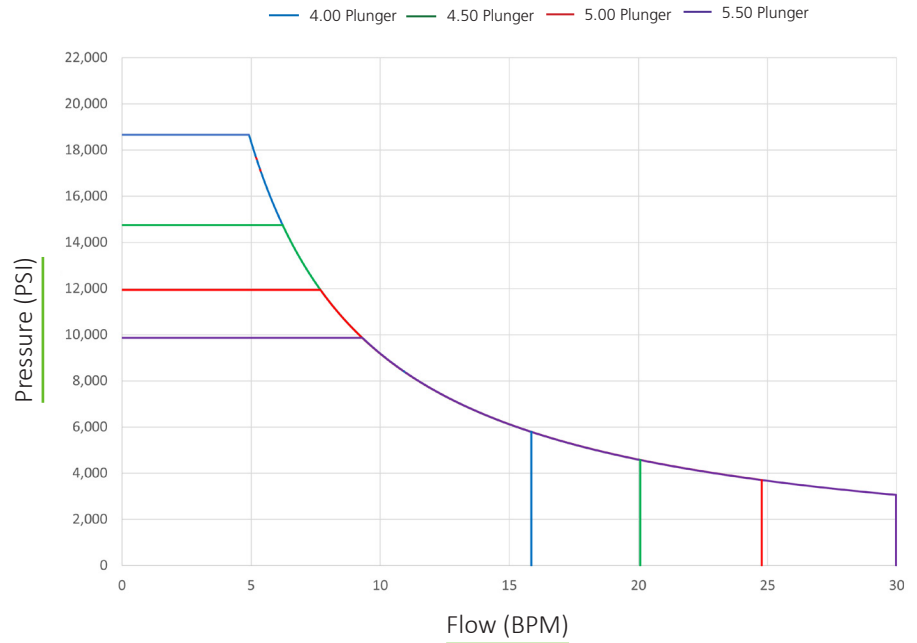
Prevents Wear being Transferred to the Frame

Removable Lube Pipe

Reduces Stresses on the Frame and Increases Ease of Cleaning



## FXD2500 Performance Chart



## Specifications

- Rod Load: 235,000 lbs.
- Maximum Input: 2,500 BHP
- Maximum RPM (Input/Output): 1950 / 307
- Stroke Length: 8"
- Power End Weight: 12,600 lbs.
- Complete Pump Weight: 17,200 lbs.
- Distance Between Centers: 10"
- Gear Ratio: 6.353:1

## FXD2500 Performance Table

Plunger Diameter		Inches	4.0	4.5	5.0	5.5	Rod Load	Input Power
Displacement per Revolution		Barrels	.05	.07	.08	.10	LBF	BHP
Flow Rate at Crankshaft RPM	95	BPM	4.92	6.23	7.69	9.31	235,000	2,500
		PSI	18,656	14,740	11,940	9,867		
	100	BPM	5.18	6.56	8.10	9.80	222,713	2500
		PSI	17,723	14,003	11,343	9,374		
	150	BPM	7.77	9.84	12.14	14.69	148,475	2,500
		PSI	11,815	9,336	7,562	6,249		
	200	BPM	10.36	13.11	16.19	19.59	111,356	2,500
		PSI	8,861	7,002	5,671	4,687		
	250	BPM	12.95	16.39	20.24	24.49	89,085	2,500
		PSI	7,089	5,601	4,537	3,750		
	300	BPM	15.54	19.67	24.29	29.39	74,238	2,500
		PSI	5,908	4,668	3,781	3,125		

**Note:** Values in this table were calculated based on 90% mechanical efficiency. Before using these tables or values contact FET Well Stimulation engineering to ensure the values are valid and up to date Properties can be changed significantly by small changes in design to handle different rod loads, and these changes occur semi-frequently. Engineering needs to sign off on any document that contains any reference to values derived from these tables for this reason.