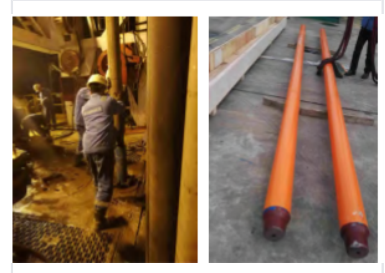
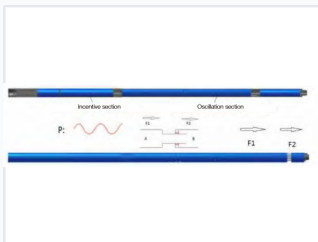


Hydraulic Alternating Pusher for Well Drilling

This hydraulic alternating pusher helps transfer weight on the bit in directional and horizontal wells. The tool enhances the rate of penetration and stabilizes the toolface.



ADDITIONAL IMAGES



Product Overview

Optimizing Drilling Efficiency

The Hydraulic Alternating Pusher is an advanced drilling tool designed to facilitate weight-on-bit (WOB) transfer in directional and horizontal wells. By utilizing interactive climbing, it effectively reduces friction and increases the rate of penetration (ROP) while stabilizing the toolface. This tool operates by pushing the BHA and pulling the upper drill strings alternately at a frequency of 6-10 Hz, keeping the drill string creeping forward and minimizing pressure loss.

Key Features

Operational Benefits

Reduces friction and resistance, Increases horizontal displacement, Axial vibration conversion, Stabilizes toolface, Minimal hydro-power loss

Performance Metrics

Service Life

200 hours

Single Down Hole Life

Technical Specifications

Technical Parameters

		SPQ122	SPQ172	SPQ197
OD	mm in	122 4 3/4	172 6 3/4	197 7 3/4
Upper Connection	API	NC38	NC50	6 5/8REG
Bottom Connection	API	NC38	NC50	6 5/8REG
Length	m ft	7.0 23	7.4 24.3	8.4 27.6
Max. Allowed Pulling	kN lb	1,000 224,810	1,500 337,210	1,800 404,660
Max Torque	N•m ft•lb	10,000 7,376	25,000 18,440	35,000 25,816

Note: Connection can be based on customer's requirement

Detailed technical parameters for SPQ122, SPQ172, and SPQ197 models including dimensions, force, and torque ratings.

Model Specifications

Parameter	SPQ122	SPQ172	SPQ197
Outer Diameter (mm)	122	172	197
Length (m)	7.0	7.4	8.4
Max Pulling Force (kN)	1,000	1,500	1,800
Max Torque (N•m)	10,000	25,000	35,000
Upper Connection	NC38	NC50	6 5/8REG
Bottom Connection	NC38	NC50	6 5/8REG

Customization

Connections can be tailored based on specific customer requirements.