

The Mechanical Thruster

Lateral Hole Section

- > Consistent bit engagement
- Tighter and more consistent running parameters
 - ROP
 - DIFF
 - TORQUE
 - WOB
- Reduces MWD failures and shock and vibration related survey issues
- Reduces damage to bits and BHA components
- Achieve optimal vibratory tool placement without negative consequences to MWD, BHA & BIT

Vertical Hole Section

- > Reduces shock and vibration
- Reduces damage to bits and BHA components
- > Reduces weight and torque swings
- Consistent parameters through tough transitions
- Consistent bit engagement through interbedding and chert

Consistent Parameters



Increased Reliability



Reduced Days on Well

Shock, vibration and related equipment damage cause unnecessary trips and increase costs. The Mechanical Thruster reduces shock and vibration induced damages to BHA components, lowering your AFE.

Specifications

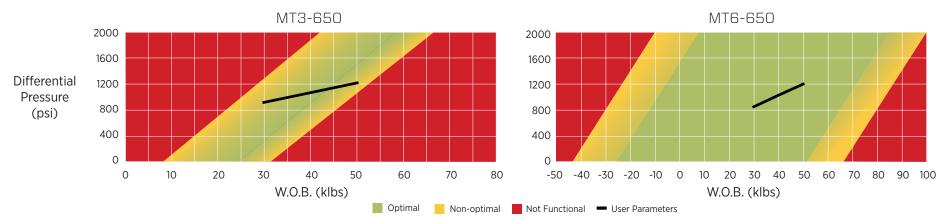
		UP	DOWN				Maximum te	mperature rating 400°F
	Size (in)	Max Stroke Length (in)		OAL (ft)	OD (in)	ID (in)	Dry Weight (lbs)	POA (in^2)
МТЗ	500	N/A	24	24.00	5.00	2.25	1,000	11.00
	650	N/A	24	21.00	6.50	2.50	1,550	18.70
	800	N/A	24	22.50	8.10	3.00	2,700	30.70
МТ6	650	8	8	19.80	6.55	2.50	1,600	16.80
	800	12	12	22.50	8.10	3.00	3,000	30.70

Min/Max spring force for MT3 is directly inverse to total available stroke length. Max spring force for MT6 is standard, variable configurations can be built to suit if needed.

Customer and well specific configurations are available.

Mechanical Thruster Optimization Example

Mechanical Thruster performance optimizations are tailored per job and based on well and BHA specifics.



CougarDS.com

Sales-North America@cougards.com

1 (877) 439 3376

COUGAR DRILLING SOLUTIONS

© 2019 Cougar Drilling Solutions | v1.2 RELIABLE. CAPABLE. CONSISTENT.