



COUGAR

DRILLING SOLUTIONS

طاقة
a TAQA company

RELIABLE. CAPABLE. CONSISTENT.

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

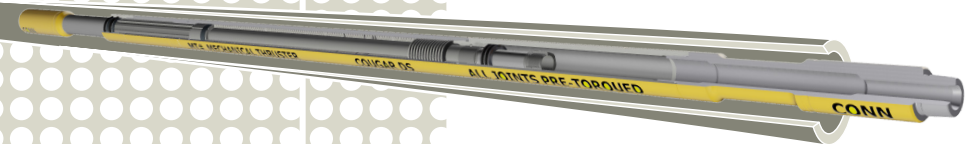


Increased Reliability



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.



MECHANICAL THRUSTER

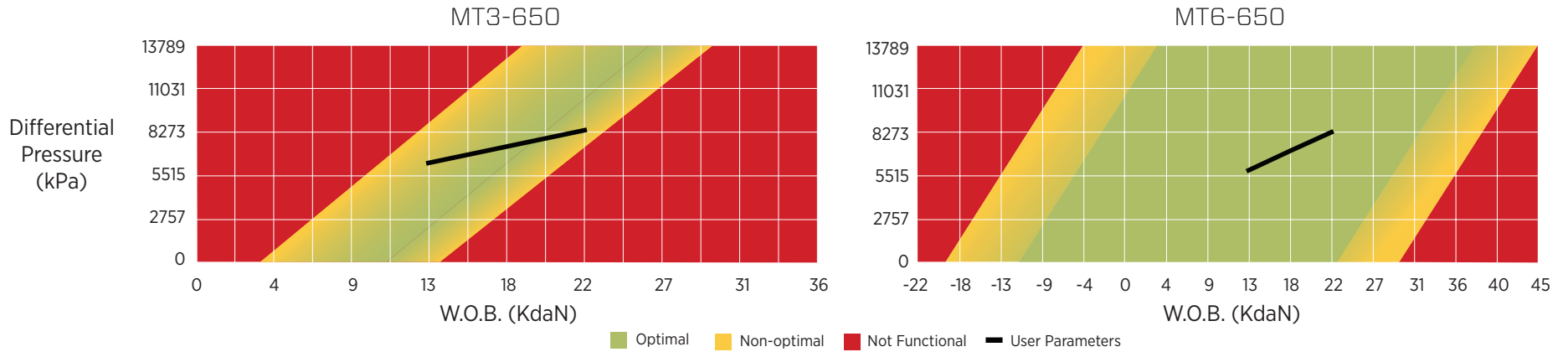
Specifications

	Size	UP	DOWN	Maximum temperature rating 204°C				
		Max Stroke Length (mm)	OAL (m)	OD (mm)	ID (mm)	Dry Weight (kg)	POA (cm ²)	
MT3	500 - 127 mm	N/A	610	7.32	127	57.15	454	71.00
	650 - 165 mm	N/A	610	6.40	166	63.50	703	120.65
	800 - 203 mm	N/A	610	6.86	204	76.20	1,225	198.10
MT6	650 - 165 mm	204	204	6.04	166	63.50	726	108.40
	800 - 203 mm	305	305	6.86	204	76.20	1,361	198.10

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-NorthAmerica@cougards.com
 1 (877) 439 3376

