

The Thruster provides a consistent force to the bit by balancing hydraulic and mechanical forces (pump open force and WOB). This balance provides smooth energy transfer to the bit—even in erratic situations. Unplanned trips are expensive and burden your AFE. The Thruster is proven to reduce excess trips and associated costs. Designed to increase reliability in your BHA components, the Thruster provides consistent drilling parameters; from ROP to WOB and differential pressure.

SPECIFICATIONS

MAX TEMPERATURE

Standard Seals: 250°F / 121°C

High Temp Seals: 405°F / 207°C

Geo Seals: 250°F + / 207°C + Steam

IMPERIAL

OD (in)	ID (in)	Length (ft)	Weight (lb)	Pump Open Area (in ²)	Stroke Up (in)	Stroke Down (in)	Max Rotating Dogleg (°/100ft)	Maximum Torque (ft-lb)
5.00	2.25	22.0	1,000	11.0	12.0	12.0	13.8	21,000
6.55	2.50	19.8	1,600	16.8	8.0	8.0	10.5	45,000
6.75	2.50	21.0	1,600	16.8	8.0	8.0	10.2	45,000
8.00	3.00	22.5	3,000	30.7	12.0	12.0	8.6	60,000

METRIC

OD (mm)	ID (mm)	Length (m)	Weight (kg)	Pump Open Area (cm ²)	Stroke Up (cm)	Stroke Down (cm)	Max Rotating Dogleg (°/30m)	Maximum Torque (N-m)
127	57	6.9	544	71.0	30.5	30.5	13.8	28,400
166	64	6.0	726	108.4	8.0	20.3	10.5	61,000
171	64	6.4	726	108.4	20.3	20.3	10.2	61,000
203	76	6.9	1,361	198.1	30.5	30.5	8.6	81,300



FEATURES AND BENEFITS

- Decrease shock and vibration
- Consistent bit engagement to prevent stick slip and lateral vibration
- Reduce weight, torque, and differential swings while drilling
- Reduce damages to bit and other BHA components