

# Disposable PDM

**SMART MOTOR TECHNOLOGY.**

**Our Single Shot PDM helps reach Target Depth and provides that extra insurance needed when high torque is required at the reamer.**

As with all our tools, it removes the need for string rotation. A positive displacement motor-powered reamer, it has the benefit of low to mid speed and high torque.

The disposable motor enables the final string to be landed at Target Depth, and also delivers the ability to drill new formation at Target Depth.

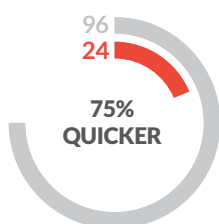
Our Disposable PDM™ is the best tool when high torque reaming is required through the most challenging obstructions. It offers exceptional performance with more robust strings.

## THE BENEFITS

- Low-cost Target Depth insurance
- Quick completion of trouble-zones
- Minimised well-construction risks and HSE exposure
- Sacrificial motor
- Reduced wiper trips
- Range of Reamer Shoes available
- Maximises ROI

## IN NUMBERS

■ Conventional Technology ■ Disposable PDM



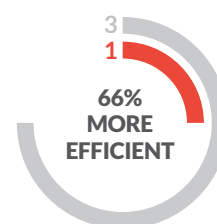
### 72 HOURS SAVED

One quarter of the time required to prepare the hole compared to conventional technology.



### \$550,000 SAVED

3 days saved on a typical offshore well results in around \$550,000 saved.



### FEWER WIPER TRIPS

Because the Disposable PDM can ream through obstructions that other types of technology cannot.

## Disposable PDM Data Sheet

### Imperial Data Figures

	Tool Specifications	
Tool Size	4.750" PDM	6.750" PDM
Reamer Size (in)	5.875" to 7 7/8"	7.875" to 9.875"
Stabiliser Size (in)	5.875" to 7 7/8"	7.875" to 9.875"
Body Size O.D. (in)	4.750"	6.750"
Length (ft)	20.5	28.0
Weight (lbs)	860	2,249
Lobes	5/6	5/6
Stages	4.0	5.0
Reamer Ports TFA (in <sup>2</sup> )	4	4
Flow rate range (bpm)	2.3-6.5	5.0-14.0
Max-Operating Set-Down Weight (lbs)	22,050	37,485
Max Torque (ft. lbs)	1,735	8,155
Working Pressure (psi)	638	798
Max Pressure Drop (psi)	769	957
Connecting Thread	3-1/2" Reg	4-1/2" Reg

### Metric Data Figures

	Tool Specifications	
Tool Size	120.00mm	172.00 PDM
Reamer Size (mm)	149.00-200.00	209.60 - 250.80
Stabiliser Size (mm)	149.00-200.00	209.60 - 250.80
Body Size O.D. (mm)	120.00	172.00
Length (m)	6,220	8,500
Weight (kg)	350 Kg	1,020
Lobes	5/6	5/6
Stages	4.0	5.0
Reamer Ports TFA	2,580	2,580
Flow rate range (l/sec)	6-17	19-38
Max-Operating Set-Down Weight (MT)	10.0	17.0
Max Torque (Nm)	2,360	11,093
Working Pressure (bar)	44	55
Max Pressure Drop (bar)	53	66
Connecting Thread	3-1/2" Reg	4 - 1/2 Reg

- Other reamer sizes are available on request, lead times vary between 8-10weeks.

#### Deep Casing Tools

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