

# 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.

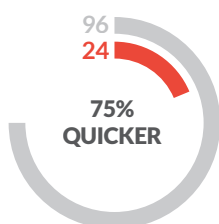
Our Disposable PDM™ is the best tool when high torque reaming is required through the most challenging obstructions. It offers exceptional performance with more robust strings.

## 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 ¾" PDM            | 6¾" PDM          |
| Reamer Size (in)                    | 5 7/8" to 7 7/8"    | 7 7/8" to 9 7/8" |
| Stabiliser Size (in)                | 5 7/8" to 7 7/8"    | 7 7/8" to 9 7/8" |
| Body Size O.D. (in)                 | 4 ¾"                | 6 ¾"             |
| Length (ft)                         | 20.4                | 27.9             |
| 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             | 5-14             |
| Max-Operating Set-Down Weight (lbs) | 22,050              | 37,485           |
| Max Torque (ft. lbs)                | 1,735               | 8,156            |
| 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                     | 120mm               | 172 PDM       |
| Reamer Size (mm)              | 149-200             | 209.6 - 250.8 |
| Stabiliser Size (mm)          | 149-200             | 209.6 - 250.8 |
| Body Size O.D. (mm)           | 120                 | 172           |
| 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 | 10                  | 17            |
| 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

51 York Street, Aberdeen AB11 5DP, United Kingdom

E: sales@deepcasingtools.com T: +44 (0)1224 572070

LinkedIn: Deep Casing Tools Twitter: @DeepCasingTools

[www.deepcasingtools.com](http://www.deepcasingtools.com)

