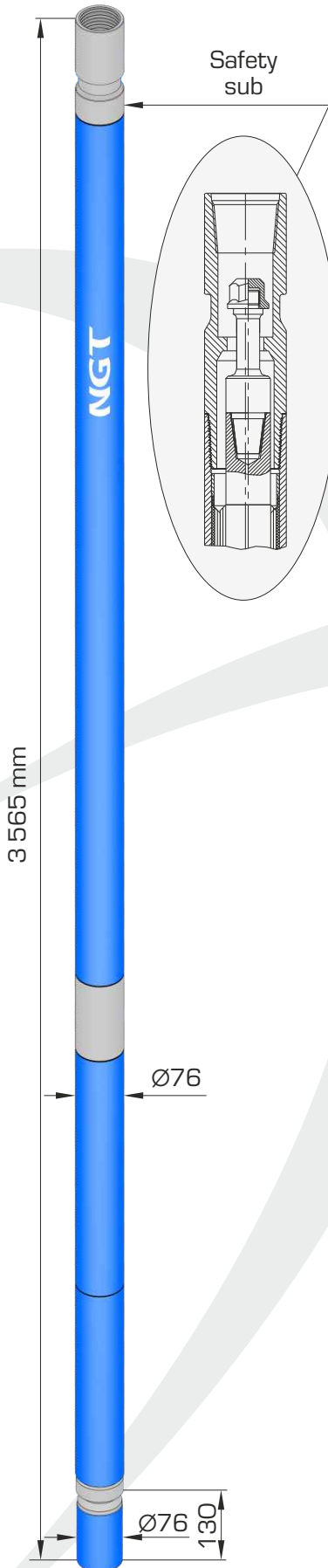


D-76.NGT.4/5.20.M1



PDM D-76.NGT.4/5.20.M1 is a new universal hydraulic downhole motor used for:

- drilling of oil and gas wells with 83,0–98,4 mm bits,
- well workover operations with rock bits, PDC bits, including bicentric ones.

Bearing section has axial multi-row rolling bearing and radial hard alloy bearings. All the threads are screwed applying 3M glue, and each motor is complete with safety sub.

A large volume of work can be done with one motor (it is especially important for hard-to-reach regions) as the overhaul life reaches approximately 200 hrs.

Technical specification

Housing OD, mm	76
Power section lobe configuration	4/5
PDM length, mm	3 565
Length of stator rubber lining, mm	2 000
Length of bearing section up to a curvature point, mm	–
Diameter of bits used, mm	83,0–98,4
Connecting thread to drill pipes	2 3/8 Reg
Connecting thread to bits	2 3/8 Reg
Maximum density of drilling mud, g/cm ³	1,6
Allowed axial load, kN	25
Weight, kg	94

Power specification

Working fluid flow rate, l/s	3–5
Output shaft rotation speed:	
– in no-load conditions, RPM	240–396
Torque at maximum power, kN*m	0,6–0,8
Pressure drop:	
– at maximum power, MPa	8–10
Power, kW	11–25