

# OSCILLATOR

- Oscillator is designed to generate low-amplitude axial oscillations in the drill string and to decrease the downhole friction. As a result it improves transmission of WOB and decreases directional stress especially during directional drilling.
- Oscillator enables extended reach drilling with significant increase of ROP, extended bit life, decrease of POOH and chance of differential sticking.

## FEATURES

- Enables drilling of directional and horizontal sections without reciprocation or wiper trips
- Reduces downhole friction during directional drilling
- Improved WOB transmission without excessive drill string compression
- Can be installed at any place in the drill string

Property	3 3/4" (120 mm)	6 3/4" (172 mm)	8" (203 mm)
Recommended flow range, l/s	9,5-17	25,2-37,8	31,5-63
Pressure drop generated, atm	38-45	42-49,2	41-48
Operating frequency	18-19 at 16,1 l/s	16-17 at 31,5 l/s	16-17 at 56,8 l/s
Threads as per GOST 50864-96	NC 38	NC 50	6 5/8 REG
Oscillator power section OD, mm	124	172	203
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Power section length, mm	1860	2055	2410
Oscillator length, mm	2359	2570	2605
Overall length, mm	5943	5862	6748
Weight, kg	386	708	1174