Drilling motors and tools SOKOL

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TORQUE-REDUCTION SEALED BEARING ROLLER REAMER

→ Roller is a rotary body with screw blades and three integrated rollers that rotate continuously, minimizing surface area and assosiated friction, providing greater stability and reliability in the most harsh environments.

→ Rollers reduce the downhole torque typically experienced using fixed-blade stabilizers which have greater contact area with hole walls. Compared to standard stabilizer wth stationary blades, rollers decrease well damage in brittle formations. Rollers are also less subect to wear in abrasive formations compared to standard blades.

Property	Requirement
Roller OD	311.2 mm
Housing OD	210 mm
ID	70 mm
Totsl length	2000 mm
Qty of rollers	3 ea
Optimum flow rate	30-75 l/s
Drilling fluid specs: — sand, %, max	1
Drilling fluid specs: — oil, %, max	10, up to 100% possible
Max. Tempetature of fluid	150 deg. C (high temp up to 250)
Max. Axial load	290 000 kgf
Max. Tensile load during emergency POOH	410 000 kgf
Max. torque	8 400 kgf•m
Weight	600 kg
Connection	6,5/8 REG (3152) pin
Connection	6,5/8 REG (3152) box
Make up torque	6 500...7 000 kgf•m