

Tornar® BOP Cleaner

Clean and solids-free BOP

Advanced vortex cleaning technology for BOPs

The Tornar® BOP Cleaner removes wellbore debris from blow out preventer cavities safely, rapidly and reliably. Tornar® flow ports create a high-velocity fluid vortex which combines with powerful proprietary magnets to extract debris from ram and annular cavities—without harming the BOP.



TORNAR®

Benefits

- Rapid and effective BOP cleaning
- Reduced BOP maintenance and non productive time
- Higher success rate and efficiency of BOP performance testing
- Cleans even deep cavities

Applications

- Clearing debris from BOP rams and cavities

Features

- Tornar® technology creates powerful vortex suction effect
- Tornar® industrial magnets ensure maximum metallic debris extraction
- Configured to suit BOP requirements
- Standard drill pipe connection
- One piece mandrels
- Non-rotating stabilizer and magnet
- Fishing magnet can be fitted at the bottom of the string to add further cleaning assurance

Debris management is a serious oilfield challenge and is responsible for many of the operational difficulties and costs of maintaining BOPs.

Drilling debris and mud solids can accumulate within BOP cavities causing them to malfunction; and milling operations generate an abundance of metallic junk and other particles that can seriously hinder the correct operation of the BOP. Even small objects can jeopardize well control, with potentially hazardous consequences to people, the environment and surface assets.

Cleaning debris from BOP cavities is especially challenging. Traditional cleaning methods may force debris further in to the BOP workings, and it is critical that cleaning operations are performed safely and efficiently.

Archer's Tornar® BOP Cleaner combines Tornar® flow ports with powerful proprietary magnets to ensure the maximum extraction of harmful debris from BOP cavities and the well .

The Tornar® BOP Cleaner can be configured to suit operational requirements to maximize debris retrieval.

Specifications

Cleaner string size, inch [mm]	13.375 [339.7]	17.45 [443.2]
BOP size, inch [mm]	13.625 [346]	18.75 [476.3]
Recommended pump rate	6,500	6,500
Min. recommended pump rate, lpm	3,500	3,500
Material (main body)	AISI 4145M	AISI 4145M
Max. working temp, degC [degF]	150 [302]	150 [302]
Max. OD, inch [mm]	13.375 [339.7]	17.45 [443.2]
Drift ID, inch [mm]	2.83 [71.9]	3.5 [88.9]
Tool joint OD, inch [mm]	6.535 [166]	7.25 [184.2]
Connections	NC-50 b/p	5 1/2" FH b/p
Magnet rods	6pcs @ 360°	8pcs @ 360°

Specifications may be subject to change

Archer is a global oil services company with a heritage that stretches back over 40 years. With a strong focus on safety and delivering the highest quality products and services, Archer operates in 40 locations over 19 countries providing drilling services, well integrity & intervention, plug & abandonment and decommissioning to its upstream oil and gas clients. **We are Archer.**

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