

Tornar[®] Express

Compact wellbore cleanup

Do you want an all-in-one wellbore cleanup tool to scrape, polish and collect debris from your well?

Tornar[®] Express is a cost efficient solution that quickly removes mud solids, cement sheath, scale and perforation burrs in any wellbore.

Benefits

- Saves rig time
- Cleans 360 degrees without rotation
- Eliminates casing wear
- Multiple runs are possible
- Withstands drilling and milling operations

Typical applications

- Cleaning debris from wellbores in wellbore cleanup operations
- Post perforation cleaning
- Cleaning after sidetrack operations
- When cleaning is required in drilling operations

Features

- One piece mandrel
- Non-rotating stabilizers
- Non-rotating sleeve assembly
- No external nuts or bolts
- Standard drillpipe connections
- Extra large bypass areas for eliminating flow restrictions

Tornar[®] Express is perfect for a quick and efficient clean-up in any wellbore before displacement, side-tracks, drilling or post perforation. It can be rotated and reciprocated without fear of damage to the casing or tool due to its rugged design and the fact that it does not have external bolts that could become loose under extreme conditions.

Tornar[®] Express consists of a magnet, brush and scraper attached to a one-piece body that is supported by non-rotating stabilisers for self-centralisation. Its rough and flexible design provides the force needed remove and clean 360 degrees without rotation.

The one-piece body rotates through the non-rotation stabilizers and compact cleaning components to avoid wear or damage to the casing during a drill string rotation.



TORNAR[®]



Specifications

| | |
|---------------------------|-----------------------------------|
| Casing sizes | 9 5/8" and 10 3/4" |
| Thread | API and Premium |
| ID | 76,2 mm / 3.00" |
| Maximum rotation speed | 150 rpm |
| Working temperature | 150°C / 302°F |
| Max. trip speed in casing | Limited by rig equipment |
| Max. pump rate | Limited only by surface equipment |
| Material (main body) | AISI 4145M 125 KSI |

Specifications may be subject to change

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