

Tornar® Casing Brush (Non-Rotating)

Clean and solids-free Wellbore

Tornar® Casing Brush is a mechanical tool for clean and polishes the casing or liner ID to remove mud solids, cement sheath and scale in any wellbore.

The Tornar® Casing Brush can be part of a complete wellbore cleaning tool string during the displacement process prior to running a completion. It can be rotated and reciprocated without damaging the casing or tool.

Rotation up to 150 rpm may be applied to create a turbulent flow and remove the cutting bed. The non-rotating stabilizers on the Tornar Brush provide a standoff and a generous flow area for fluid by-pass around the tool.

A Tornar® Casing Brush tool consists of a one-piece Body, non-rotating Stabiliser and Brush assembly. The main mandrel rotates through the stabiliser and Brush assembly to avoid wear or damage to the casing during drill string rotation. The Brush assembly is self-centralising inside the casing or liner to ensure equal cleaning at all well conditions. It's also rough, flexible and has the force needed remove and clean 360 degrees without rotation.

The tool is suitable for HPHT wells and can withstand chemical or acid attack.

Benefits

- Clean 360 degrees without rotation
- Eliminates casing wear
- High strength mandrel
- Simple to run
- Multiple run possible
- Withstand drilling and milling operations

Features

- One piece mandrel
- Non rotating stabilizers
- Non rotating center sleeve
- No external nuts or bolts
- Extra large bypass areas for eliminating flow restriction
- Fluted spiral stabilizer sleeves for generous fluid and debris bypass

Specifications

Casing Sizes	4 1/2" - 14"
Thread	API and Premium
ID	1 3/4" to 4"
Max. rotation speed	150 rpm
Working temperature degC [degF]	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 110 KSI
Burst pressure	690 bar - 10 000 psi

Specifications may be subject to change.