

# Tornar® Casing Scraper (Non-Rotating)

## Clean and solids-free Wellbore



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

The Tornar® Casing Scraper can be integrated as a part of a complete wellbore cleaning tool string used during the displacement process prior to running completion. It can be rotated and reciprocated without fear of damage to casing or tool due to the rugged design and the fact that it doesn't contain external bolts that could work loose under extreme conditions.

A Tornar® Casing Scraper tool consists of a one-piece Body, non-rotating Stabiliser and Scraper assembly. The main mandrel rotates through the stabiliser and Scraper assembly to avoid wear or damage to the casing during drill string rotation.

The Scraper assembly is self-centralling inside the casing or liner to ensure equal cleaning at all well conditions. It's also rough, flexible and has the force needed to remove and clean 360 degrees without rotation.

### Benefits

- Clean 360 degrees without rotation
- Eliminates casing wear
- High strength mandrel
- Simple to run
- Multiple run possible
- Withstand drilling and milling operations
- Suitable for HP wells and can withstand chemical or acid attack

### Features

- One piece mandrel
- Non rotating stabilizers
- Non rotating center sleeve
- No external nuts or bolts
- Extra large bypass areas for eliminating flow restriction
- Standard drill pipe connections

### 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.