



TETRA AdvanceClean® Combo Tool

ADVANCECLEAN® TOOLS

Overview

The TETRA AdvanceClean Combo Tool combines brushes and scrapers to offer the benefits of both. The scrapers are designed to mechanically scour mud cake, cement sheaths, pipe scale, perforation burrs, and other restrictive material from wellbore casing interior wall surfaces, while the brushes assist the scraper, polish casing surfaces, agitate the circulating fluid and enhance cleaning performance. It can be run as an integral part of the drill-string to scrape and brush the casing wall as the pipe is run in hole as part of most drilling/milling/polishing assemblies, as a stand-alone device or with other down-hole tools as part of the clean-up system.

Six scraper pads and six brush pads are mounted within the mandrel, offering 360° of casing altogether. Installed in each brush pad are six rows of bristles. The spring-activated pads are forced outwards against the casing wall. The pad pressure can be customized to well geometry. The mandrel housing the pads acts as one piece and rotates with the pads. This tool can be rotated within torque restrictions and reciprocated without fear of damage to the casing or to the tool itself. While running in hole, it is good practice to break circulation and reciprocate the pipe regularly every 5,000 ft to disperse and enhance the clean-up of debris build-up.

Features and Benefits

- Robust, durable design
- One-piece mandrel
- 360° Casing Coverage
- Spring Loaded Scraper Blades and Brush Pads
- 4145 Materials of Construction
- 6 5/8" through 13 3/8" Casing Sizes
- Effective removal of mud cake, cement sheaths, and pipe scale

Design Specifications

Description	Combo Tool
Current Model Numbers	TA-700-C, TA-900-C
Sizes Available	See table below
Material	4145
Temperature rating	Not limited
Maximum rotational speed	90 RPM
Maximum RIH/POOH speed	150 ft/min
Thread connections	See table below

Model	Casing Range	API Conn	Length (in)	Bore In	Tool Wt. lbs	Created Wt. lbs
TA-700-C	6 5/8" thru 8 5/8"	3 1/2 IF or 3 1/2 REG	77.250"	1.500"	228	246
TA-900-C	8 5/8" thru 13 3/8"	4 1/2 IF	85.750"	2.500"	531	573

