



CASING CLEANING

BLADE SCRAPER TOOL

TECSEP's Blade Scraper Tool is a casing scraper that removes debris from the casing ID. The rotational design of the tool reduces the chance of casing wear and provides 360° scraping coverage, regardless of the well inclination. Angled at 45°, the blades self-clean as the tool is being tripped in hole.

Because of its robust design and large flow area, the Blade Scraper Tool can be incorporated in a clean-up bottom-hole assembly (BHA) even when cement or mechanical barriers are encountered.

PROVIDES 360° SCRAPING COVERAGE

APPLICATIONS

- Casing and tubing cleaning operations in vertical and deviated wells.

BLADES ANGLED AT 45°

FEATURES AND BENEFITS

- 360° scraping coverage.
- Rotational design that reduces the likelihood of casing damage.
- Large flow area between the exterior of the tool and the casing ID, which reduces equivalent circulating density (ECD) and guards against surge.
- Self-cleaning scraper blades.
- Integral centralizers and springs that maintain tool concentricity in a range of casing weights and hole angles.



BLADE SCRAPER TOOL

TOOL SPECIFICATION

| Connection | 6 5/8 in. REG | NC 50 | NC38 | 2 7/8-in. HT PAC | 2 3/8-in. REG |
|---------------------|--|------------------|-----------------|-----------------------|--|
| Max RPM | 120 | 120 | 120 | 90 | 90 |
| Max makeup torque | 44,900 ft/lb | 34,900 ft/lb | 15,900 ft/lb | 7,300 ft/lb | 4,400 ft/lb |
| Max flow rate (BPM) | 57 | 36 | 17 | 7 | 5 |
| Tool length | 6.18 to 7.37 ft | 6.63 ft | 6.63 ft | 5.8 ft | 5.8 ft |
| Max hard OD range | 10.13 to 20 in. | 7.7 to 9.126 in. | 5.5 to 6.75 in. | 4.15 to 4.653 in. | 3.515 to 4.150 in. |
| Drift ID | 3.375 in. | 2.625 in. | 2 in. | 1.125 in. | 0.879 in. |
| Tensile yield | 1,792,420 lb | 1,551,700 lb | 488,000 lb | 493,800 lb | 322,700 lb |
| Torsional yield | 74,350 ft/lb | 63,400 ft/lb | 22,650 ft/lb | 4,160 to 11,000 ft/lb | 4,160 to 5,800 ft/lb |
| Materials | Alloy Steel 120 KSI Minimum Yield Strength | | | | Alloy Steel 110 KSI Minimum Yield Strength |

