Drift Lock Casing Scraper

Service Equipment

The Drift Lock Casing Scraper is unique in its design. It allows for the full internal diameter of the casing to be scraped clean of debris, and at the same time, it allows the user to validate a drift measurement of the wellbore.

During deployment, the scraper blades groove profile, rotates the housing and blade assembly in a counter clockwise rotation, which positions the scraper blades into a collapse to drift orientation. In this position, the scraper blades will only collapse to the drift dimension that they are designed to gauge. The blades are designed to extend beyond the maximum allowable API casing ID for each weight of casing, to ensure full casing ID contact. As well, they are designed with sufficient overlap to ensure full circle scraping of the casing ID, while running in hole. Cycling the Drift Lock up and down will efficiently clean your desired interval, as well, it will ensure that your casing is free of impairments.

At any point during deployment, should the drift lock hang up on an impairment, simply pick up, rotate to the left, the blades will become unsupported to a fully collapsed engineered dimension. At which point, the user is able to travel through the impairment, to further scrape and gauge casing further downhole. The standard offering is setup, so that each weight range of casing is able to be gauged as per API drift specification. If the need arises, these tool can be setup for a minimum drift diameter, or with differing end connections, as specified by the end user.

Features

- **Full bore ID scraping**
- **Collapsible to required drift diameter**
- **Hardened faces for longevity of the components**
- **Full ID Tubing body**
- **No elastomers - temperature inert**