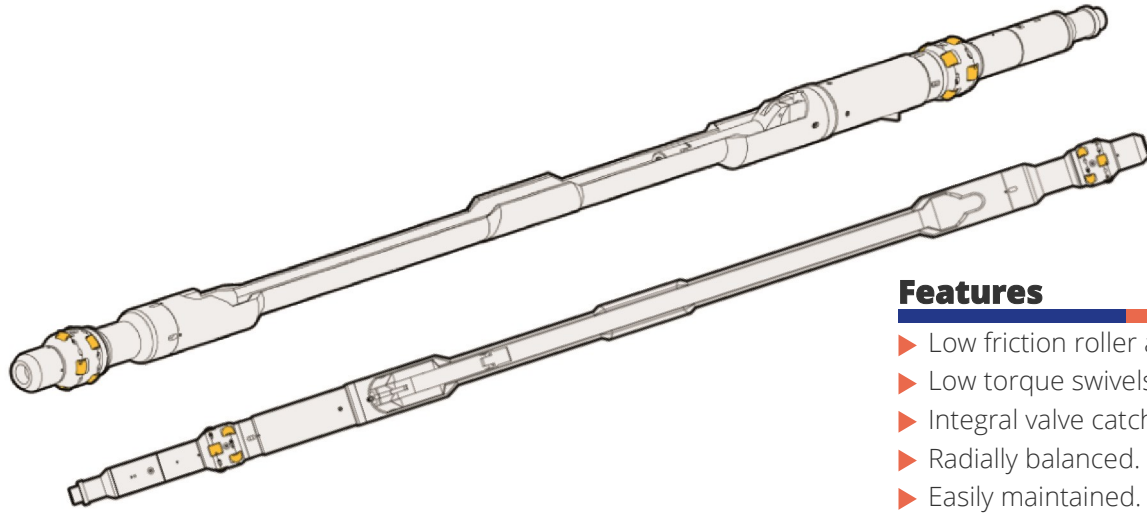


Advanced Kickover Tool™

Easier. Faster. Safer. It's time to rethink gas lift intervention



Features

- ▶ Low friction roller assemblies.
- ▶ Low torque swivels.
- ▶ Integral valve catcher.
- ▶ Radially balanced.
- ▶ Easily maintained.
- ▶ Available for all mandrel sizes and tubing restrictions.

Benefits

- ▶ Reduce operating time and cost by increasing the chance of first time success, regardless of mandrel deviation or pocket orientation.
- ▶ Assist the operator by improving tool string visibility at surface, reducing the possibility of a costly mis-run.
- ▶ Reduce the risk to asset by eliminating a minimum of two runs due to the inclusion of an integral valve catcher.

Impact Selector's Advanced Kickover Tool™ (AKT)

is designed to deliver exceptional performance during gas lift interventions. The AKT is used globally, with a proven track record of success at inclinations up to 83°, and can be supplied to suit all gas lift mandrel sizes. The AKT incorporates many unique features—including highly efficient rollers which eliminate contact friction—enabling access to gas lift mandrels located at higher deviations.

A further benefit of reduced friction is a more precise indication at surface of tool string load transfer. This allows the slickline operator to identify tool string movement more easily, enabling improved decision making and reducing the chance of a mis-run.

The majority of the industry remains cautious when designing gas lift completions, tending to place gas lift

mandrels in areas of the well that are considered accessible using standard slickline techniques. However, this approach can lead to suboptimal production rates. The AKT specifically addresses these challenges, enabling gas lift mandrels to be positioned at greater true vertical depth therefore optimizing production opportunity.

To enable access and maximize operational efficiency within mandrels located at higher deviations, Impact Selector's Roller Bogie® conveyance system and Low Loader Roller Bogie Jar are typically used in combination with the AKT.

AKT awareness sessions can be provided upon request, which are aligned with the industry's need to focus on competency and service quality levels within gas lift intervention operations.

Specifications

AKT Nominal Size (in / mm)	2.375 / 60.33	2.375 / 60.33	2.875 / 70.03	2.875 / 70.03	3.500 / 88.90	4.500 / 114.3	4.500 / 114.3	5.500 / 139.7	5.500 / 139.7	7.000 / 177.8	7.000 / 177.8
AKT Max OD (in / mm)	1.820 / 46.23	1.850 / 46.99	2.160 / 54.86	2.250 / 57.15	2.720 / 69.09	3.500 / 88.90	3.700 / 93.98	4.350 / 110.5	4.500 / 114.3	5.180 / 131.6	5.750 / 146.1
*Weight (lbs / kg)	48 / 21.77	48 / 21.77	48 / 21.77	48 / 21.77	58 / 26.31	108 / 48.99	108 / 48.99	156 / 70.76	156 / 70.76	183 / 83.01	183 / 83.01
*Length (in / m)	112 / 2.845	112 / 2.845	112 / 2.845	112 / 2.845	111 / 2.819	123 / 3.124	123 / 3.124	117 / 2.972	117 / 2.972	117 / 2.972	117 / 2.972
Valve Size (in / mm)	1 / 25.40	1 / 25.40	1 / 25.40	1 & 1.5 / 25.40 & 38.10	1.5 / 38.10	1.5 / 38.10	1.5 / 38.10	1.5 / 38.10	1.5 / 38.10	1.5 / 38.10	1.5 / 38.10
Service Type	Sour or Severe Sour Service available Composite rollers available for running in GRE or High Chrome Tubing										
Connection Type	Connections available to suit customer specifications										

*Tool weights and lengths are average values per AKT size.

