

MECHANICAL INDEXING TOOL



TOOL APPLICATIONS

The Mechanical Indexing Tool is designed to provide rotation of the Coiled Tubing BHA. The tool features a helically machined mandrel that under set down weight allows the lower sub to rotate, making the tool ideal for kicking off from wellbore obstructions or onto them.

The set-down indexing tool offers the ability to orient a fishing tool string in the casing during thru-tubing fishing operations by applying set-down weight.

When reducing set down weight the tool strokes and rotates back to the starting position.

When used in fishing or retrieval operations, it is recommended to utilise the Torque Limiter in conjunction with the Indexing tool to prevent torque build up in the tool string, should the fish be lodged and unable to rotate during retrieval.

FEATURES AND BENEFITS

- Flow Through capability to allow operation of BHA components below
- Thru Bore designed for use with drop ball type assembly subs
- Designed to maximize tensile loading and functionality in fishing operations
- Available in a range of sizes to suit industry standard Coiled Tubing sizes
- Corrosion resistant materials
- Connection options to suit customer requirements
- Simple, robust design ensuring ease of operation for the end user
- Hexagonal flats for safe make-up & break-out

SPECIFICATIONS

| Technical Variable | | Units | Size | | |
|---------------------|-----------|--------|---------|-------------|----------------|
| | | | 1 1/16" | 2 1/8" | 2 7/8" |
| Max OD | | in | 1.687 | 2.125 | 2.875 |
| Min ID | | in | 0.500 | 0.625 | 1.000 |
| Connection | Top | Box | 1" AMMT | 1 1/2" AMMT | 2 3/8" PAC DSI |
| | Bottom | Pin | 1" AMMT | 1 1/2" AMMT | 2 3/8" PAC DSI |
| Make Up Length | | in | 50.0 | 55.18 | 58.40 |
| Activation Pressure | | psi | 400 | 400 | 400 |
| Stroke | | in | 12.0 | 13.5 | 13.5 |
| Working Pressure | | psi | 10,000 | 10,000 | 10,000 |
| Strength | SWL | lbs | 45,000 | 72,000 | 108,000 |
| | Yield | lbs | 50,000 | 80,000 | 120,000 |
| | UTS | lbs | 53,846 | 86,153 | 129,230 |
| | Torsional | ft.lbs | 525 | 900 | 1,960 |
| Make Up Torque | | ft.lbs | 500 | 900 | 3,520 |