

# IMPACT HAMMER DUAL ACTING



## TOOL APPLICATIONS

The Impact Hammer Dual Acting is powered by fluid pumped through the coiled tubing (CT) and is designed to deliver downward blows when put into compression and upward blows when put into tension.

Only enough tension to cock the tool is required, usually about 1,500 – 2,000 lbs in the up mode.

Impact frequency will vary depending on fluid rate. At high volume, in the up-mode, the tool becomes a vibratory extractor, a highly effective method of extracting sand-compacted fish.

Common applications for the impact hammer are shifting sliding sleeves, fishing and breaking discs.

Although the impact hammer may be run with or without an intensifier, it is recommended always that an intensifier be run where surface testing of the tool is required and when working at depths above 600 ft.

## FEATURES AND BENEFITS

- Available in a range of sizes to suit industry standard Coiled Tubing BHA's
- Suitable for high temperature environments
- Compact design ideal for restricted height applications
- Simple, robust design ensuring ease of operation for the end user
- Hexagonal flats for safe make-up & break-out
- Connection options to suit customer requirements
- Option to configure to single direction only
- Ability to increase mass when configured in single direction mode
- Corrosion resistant materials

## SPECIFICATIONS

| Technical Variable  | Units  | Size     |         |         |             |            |
|---------------------|--------|----------|---------|---------|-------------|------------|
|                     |        | 1 11/16" | 1 3/4"  | 2 1/8"  | 2 7/8"      |            |
| Max OD              | in     | 1.687    | 1.750   | 2.125   | 2.125       |            |
| Min ID              | in     | N/A      | N/A     | N/A     | N/A         |            |
| Connection          | Top    | Box      | 1" AMMT | 1" AMMT | 1 1/2" AMMT | 2 3/8" PAC |
|                     | Bottom | Pin      | 1" AMMT | 1" AMMT | 1 1/2" AMMT | 2 3/8" PAC |
| Make Up Length      | in     | 40.00    | 40.38   | 41.20   | 52.88       |            |
| Activation Pressure | Up     | psi      | 1,100   | 1,100   | 1,100       | 1,200      |
|                     | Down   | psi      | 600     | 600     | 630         | 700        |
| Working Pressure    | psi    | 5,000    | 5,000   | 5,000   | 5,000       |            |
| Strength            | SWL    | lbs      | 51,246  | 51,246  | 78,769      | 103,200    |
|                     | Yield  | lbs      | 56,940  | 56,940  | 87,521      | 114,660    |
|                     | UTS    | lbs      | 61,320  | 61,320  | 94,253      | 123,480    |
| Make Up Torque      | ft.lbs | 500      | 500     | 900     | 2,200       |            |