

Xcalibur™ Jar

Provides significant downhole impact to safely return toolstrings to surface in any wellbore condition

Applications

- Cased-hole
- Slickline

Features and Benefits

- Reliable, all-mechanical design unaffected by pressure or temperature
- Immediate downhole reset under its own weight for instant and unlimited activations
- Field-adjustable mechanism enables trained customer personnel to run and maintain the tools, saving time and money

Tool Description

The Weatherford Xcalibur jar greatly increases the force available at the cable head using stored energy in compressed springs and the wireline itself to create a powerful upwards impulse on the tools. As the force acts on the bottom of the jar, the cable head is protected from the impact and remains unaffected.

The jar-activation force is easily adjusted at surface while in the string to account for different operations.

Available in a range of sizes and with all major types of monoconductor connections, the Xcalibur jar is ideal for most logging, perforating, pipe recovery, and plug-setting operations.



Xcalibur™ Jar

Specifications

| | | |
|---------------------|--------------------------|---------------------------|
| Diameter | 0.875 in. (22.23 mm) | 1.562 in. (39.67 mm) |
| Pin/box | 5/8 in. SR | 5/8 and 3/4 in. SR |
| Fishing neck | 1-3/8 in. | 1-3/8 and 1-3/4 in. |
| Length (closed) | 53.07 in. (1.35 m) | 55.813 in. (1.42 m) |
| Length (open) | 59.237 in. (1.50 m) | 63 in. (1.60 m) |
| Approximate weight | 7 lb (3.18 kg) | 23 lb (10.43 kg) |
| Field adjustability | 100–1,200 lb (45–544 kg) | 250–1,400 lb (113–635 kg) |
| Total stroke | 6.167 in. (156.6 mm) | 6.189 in. (157.2 mm) |
| Power stroke | 5 in. (127.0 mm) | 4.875 in. (123.8 mm) |
| Compression | 11,800 lb (5,52 kg) | 23,000 lb (10,432 kg) |
| Tension | 6,400 lb (2,902 kg) | 22,900 lb (10,387 kg) |

