



JARRING ON COMMAND



Impact Selector's SMART Jar™ is an electronically controllable Jar that provides a reliable and cost effective way to help prevent stuck tool strings and expensive fishing jobs during wireline logging operations.

A conventional mechanical jar's activation point can not be changed once the tool string is down-hole. The SMART Jar™ allows jarring on command at any desired cable tension.

This facilitates three operating modes:

- **Low Impact Jar** - By default, the Jar is enabled with a low activation threshold.
- **Controllable Jar** - This is accomplished by temporarily disabling the actuator, pulling tension to a desired point and then re-enabling to activate the Jar.
- **High Impact Jar** - This is the upper activation limit and default selection if power or communication to the tool is lost.

Features:

- Compact design does not require auxiliary tools to enhance impact force or duration.
- Spring-assisted re-latching mechanism does not rely on tool weight to re-latch the Jar.
- Externally accessible and easy to use adjustment system for surface control of upper and lower activation thresholds.
- Full electrical "pass through" to the wireline tool string below with redundant insulation to ensure electrical reliability.

Benefits:

- Jarring on command under any line tension.
- No time delay required to activate Jar.
- Unlimited number of activation cycles.
- Reverts to fail-safe mechanical mode in the event of power or telemetry loss.
- Operates up to 400°F and 30k psi.

Training and Operator Certification

Impact Selector's services include application assistance, operator training, and on-site demonstration and supervision. Impact Selector provides a Certified Technician to train your personnel on running, operating, and maintaining the SMART Jar™ anywhere in the world.





The diagram illustrates the SMART Jar tool in its closed and open configurations. The closed state is shown on the left, and the open state is shown on the right. The tool is composed of several key modules: the Cable Head at the top, the Control Module, the Activation Module, and the Stroke/Compensation Module at the bottom. A dashed line indicates the tool's length, which is 121 inches in the closed state and 129 inches in the open state. The tool is primarily blue with silver-colored sections at the top and bottom.

Specifications	
Pressure Rating	30,000 psi
Temperature Rating	400°F
Maximum Setting	12,000 lb
Minimum Setting	2,500 lb
Outside Diameter	3.688"
Length (Closed / Open)	121" / 129"
Power Stroke	5"
Weight	280 lb
Max Tensile Load	110,000 lb
Max Pass Through Voltage	1000 V
Max Current Draw	50 mA

For more information please contact
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