

Intensifier

Increases downhole jarring energy and protects against shock damage

Applications

- Slickline
- Stuck tools
- Shallow jarring

Features and Benefits

- Belleville spring washers provides greater force than a conventional coiled spring.
- Additional energy is stored when used with a wireline jar (of the same stroke) to increase impact forces.
- Short, compact design provides effective shock absorption to help prevent tool or wire damage.
- Ultraheavy-duty option available.

Tool Description

Like two tools in one, the Weatherford Intensifier functions as an acceleration tool or as a shock-absorber device, depending on where it is positioned in the toolstring.

Wireline jars rely on stored energy from both internal springs and in the stretched wireline to create impact forces. If additional energy is required, then the Intensifier is placed above the jar to increase the energy storage capacity of the system with a powerful spring stack.

When placed below the rope socket, the same stack of springs absorbs shocks from below to protect the socket and wireline from damage.

Specifications

Diameter	1.562 in. (39.67 mm)	1.812 in. (46.02 mm)
Pin/box		
QLS	15/16 in.	1 1/16 in.
SR	5/8 in.	3/4 in.
Fishing neck	1 3/8 in. (34.93 mm)	1 3/4 in. (44.45 mm)
Length (closed)	40.67 in. (1.03 m)	41.5 in. (1.05 m)
Length (open)	47.67 in. (1.21 m)	49.5 in. (1.26 m)
Approximate weight	20 lb (9.07 kg)	25 lb (11.34 kg)
Force (maximum)	1,700 lb (771 kg)	2,300 lb (1,043 kg)
Stroke	7 in. (177.8 mm)	8 in. (203.2 mm)

