

# Intensifier UHD

Increases downhole jarring energy and protects against shock damage

## Applications

- Slickline
- Stuck tools

## Features and Benefits

- Belleville spring washers provide significantly greater force than a conventional coiled spring
- Additional energy is stored when used with an Impact Selector® jar to increase impact forces
- Short, compact design provides highly effective shock absorption to help prevent tool or wire damage
- Options available for standard and ultraheavy-duty (UHD) fishing operations

## Tool Description

Like two tools in one, the Weatherford Intensifier UHD 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 cable head, the same stack of springs will absorb shocks from below created by, perforating for example, to protect the rope socket and wireline from damage.



# Intensifier UHD

## Specifications

### Standard Load

Diameter	2.125 in. (53.98 mm)	2.5 in. (63.50 mm)	2.688 in. (68.28 mm)
Pin/box	1-7/8 in. QLS	2-1/2 in. QLS	2-11/16 in. QLS
Fishing neck	1.75 in. (44.45 mm)	2.313 in. (58.75 mm)	2.313 in. (58.75 mm)
Length (closed)	80.79 in. (2.05 m)	82.9 in. (2.11 m)	84.35 in. (2.14 m)
Length (open)	93.79 in. (2.38 m)	95.9 in. (2.44 m)	99.35 in. (2.52 m)
Approximate weight	58.67 lb (26.61 kg)	65.62 lb (29.76 kg)	96.27 lb (43.67 kg)
Force (maximum)	700 lb (317 kg)	640 lb (290 kg)	640 lb (290 kg)
Stroke	15 in. (381 mm)	15 in. (381 mm)	15 in. (381 mm)

### Medium Load

Diameter	2.125 in. (53.98 mm)	2.5 in. (63.50 mm)	2.688 in. (68.28 mm)
Pin/box	1-7/8 in. QLS	2-1/2 in. QLS	2-11/16 in. QLS
Fishing neck	1.75 in. (4.45 mm)	2.313 in. (58.75 mm)	2.313 in. (58.75 mm)
Length (closed)	90.93 in. (2.31 m)	82.9 in. (2.11 m)	84.35 in. (2.14 m)
Length (open)	107.93 in. (2.74 m)	102.9 in. (2.61 m)	104.35 in. (2.65 m)
Approximate weight	70.84 lb (32.13 kg)	68.12 lb (30.9 kg)	98.73 lb (44.78 kg)
Force (maximum)	1,600 lb (725 kg)	1,300 lb (589 kg)	1,300 lb (589 kg)
Stroke	17 in. (431.8 mm)	20 in. (508 mm)	20 in. (508 mm)

### High Load

Diameter	2.125 in. (53.98 mm)	2.5 in. (63.50 mm)	2.688 in. (68.28 mm)
Pin/box	1-7/8 in. QLS	2-1/2 in. QLS	2-11/16 in. QLS
Fishing neck	1.75 in. (4.45 mm)	2.313 in. (58.75 mm)	2.313 in. (58.75 mm)
Length (closed)	90.93 in. (2.31 m)	82.9 in. (2.11 m)	84.35 in. (2.14 m)
Length (open)	103.93 in. (2.64 m)	99.9 in. (2.54 m)	101.35 in. (2.57 m)
Approximate weight	73.82 lb (33.48 kg)	69.53 lb (31.54 kg)	100.19 lb (45.45 kg)
Force (maximum)	2,600 lb (1,179 kg)	2,600 lb (1,179 kg)	2,600 lb (1,179 kg)
Stroke	13 in. (330.2 mm)	17 in. (431.8 mm)	17 in. (431.8 mm)

