

# UHD Intensifier

Designed specifically for ultra heavy duty fishing application—increases downhole jarring energy and protects against shock damage



## Features / Benefits

- ▶ Stores additional energy when used with an Impact Selector jar to increase impact forces.
- ▶ Uses Belleville spring washers, which provide a significantly greater force than a conventional coiled spring.
- ▶ Provides highly effective shock absorption to help prevent tool or wire damage.
- ▶ Short, compact design.
- ▶ Available in sizes shown in table below.

Like two tools in one, **Impact Selector's Intensifier** functions as an acceleration tool or as a shock absorber device, depending on where it is positioned in the tool string.

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 using a powerful spring stack.

When placed below the cable head, the same spring stack will absorb shocks —created by perforating, for example—from below to protect the rope socket and wireline from damage.

## Specifications (3 OD sizes available)

2.125 in (53.98 mm) OD				
	Load	Standard	Medium	High
<b>Connections Pin / Box</b> (Size)		1-7/8" QLS	1-7/8" QLS	1-7/8" QLS
<b>Fishing Neck OD</b> (in / mm)		1.750 / 44.45	1.750 / 44.45	1.750 / 44.45
<b>Length (Closed)</b> (in / m)		80.79 / 2.05	90.93 / 2.31	90.93 / 2.31
<b>Length (Open)</b> (in / m)		93.79 / 2.38	107.93 / 2.74	103.93 / 2.64
<b>Approximate Weight</b> (lbs / kg)		58.67 / 26.61	70.84 / 32.13	73.82 / 33.48
<b>Force</b> (lbs / kg)		Up to 650 / 295	Up to 1,150 / 525	Up to 2,400 / 1,090
<b>Stroke</b> (in / mm)		15 / 381	17 / 431.8	13 / 330.20
<b>Compressive Strength</b> (lbs / kg)		67,740 / 30,730	67,740 / 30,730	67,740 / 30,730
<b>Tensile Strength</b> (lbs / kg)		31,880 / 14,460	31,880 / 14,460	15,080 / 6,840

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## 2.500 in (63.50 mm) OD

Load	Standard	Medium	High
<b>Connections Pin / Box</b> (Size)	2-1/2" QLS	2-1/2" QLS	2-1/2" QLS
<b>Fishing Neck OD</b> (in / mm)	2.313 / 58.75	2.313 / 58.75	2.313 / 58.75
<b>Length (Closed)</b> (in / m)	82.9 / 2.11	82.9 / 2.11	82.9 / 2.11
<b>Length (Open)</b> (in / m)	95.9 / 2.44	102.9 / 2.61	99.9 / 2.54
<b>Approximate Weight</b> (lbs / kg)	65.62 / 29.76	68.12 / 30.90	69.53 / 31.54
<b>Force</b> (lbs / kg)	Up to 650 / 295	Up to 1,300 / 590	Up to 2,500 / 1,140
<b>Stroke</b> (in / mm)	15 / 381	20 / 508	17 / 431.8
<b>Compressive Strength</b> (lbs / kg)	80,080 / 36,330	80,080 / 36,330	80,080 / 36,330
<b>Tensile Strength</b> (lbs / kg)	61,060 / 27,700	61,060 / 27,700	26,240 / 11,910

## 2.688 in (68.28 mm) OD

Load	Standard	Medium	High
<b>Connections Pin / Box</b> (Size)	2-11/16" QLS	2-11/16" QLS	2-11/16" QLS
<b>Fishing Neck OD</b> (in / mm)	2.313 / 58.75	2.313 / 58.75	2.313 / 58.75
<b>Length (Closed)</b> (in / m)	84.35 / 2.14	84.35 / 2.14	84.35 / 2.14
<b>Length (Open)</b> (in / m)	99.35 / 2.52	104.35 / 2.65	101.35 / 2.57
<b>Approximate Weight</b> (lbs / kg)	96.27 / 43.67	98.73 / 44.78	100.19 / 45.45
<b>Force</b> (lbs / kg)	Up to 860 / 390	Up to 1,300 / 590	Up to 2,600 / 1,180
<b>Stroke</b> (in / mm)	15 / 381	20 / 508	17 / 431.8
<b>Compressive Strength</b> (lbs / kg)	109,440 / 49,650	109,440 / 49,650	109,440 / 49,650
<b>Tensile Strength</b> (lbs / kg)	61,060 / 27,700	61,060 / 27,700	61,060 / 27,700