

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



IMPACT SELECTOR™
Intelligent Conveyance® Technologies



1-800-238-9239



impact@impactselector.com



www.impactselector.com



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2.500 in (63.50 mm) OD

| Load | Standard | Medium | High |
|---|-----------------|-------------------|---------------------|
| Connections Pin / Box (Size) | 2-1/2" QLS | 2-1/2" QLS | 2-1/2" QLS |
| Fishing Neck OD (in / mm) | 2.313 / 58.75 | 2.313 / 58.75 | 2.313 / 58.75 |
| Length (Closed) (in / m) | 82.9 / 2.11 | 82.9 / 2.11 | 82.9 / 2.11 |
| Length (Open) (in / m) | 95.9 / 2.44 | 102.9 / 2.61 | 99.9 / 2.54 |
| Approximate Weight (lbs / kg) | 65.62 / 29.76 | 68.12 / 30.90 | 69.53 / 31.54 |
| Force (lbs / kg) | Up to 650 / 295 | Up to 1,300 / 590 | Up to 2,500 / 1,140 |
| Stroke (in / mm) | 15 / 381 | 20 / 508 | 17 / 431.8 |
| Compressive Strength (lbs / kg) | 80,080 / 36,330 | 80,080 / 36,330 | 80,080 / 36,330 |
| Tensile Strength (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 |
|---|------------------|-------------------|---------------------|
| Connections Pin / Box (Size) | 2-11/16" QLS | 2-11/16" QLS | 2-11/16" QLS |
| Fishing Neck OD (in / mm) | 2.313 / 58.75 | 2.313 / 58.75 | 2.313 / 58.75 |
| Length (Closed) (in / m) | 84.35 / 2.14 | 84.35 / 2.14 | 84.35 / 2.14 |
| Length (Open) (in / m) | 99.35 / 2.52 | 104.35 / 2.65 | 101.35 / 2.57 |
| Approximate Weight (lbs / kg) | 96.27 / 43.67 | 98.73 / 44.78 | 100.19 / 45.45 |
| Force (lbs / kg) | Up to 860 / 390 | Up to 1,300 / 590 | Up to 2,600 / 1,180 |
| Stroke (in / mm) | 15 / 381 | 20 / 508 | 17 / 431.8 |
| Compressive Strength (lbs / kg) | 109,440 / 49,650 | 109,440 / 49,650 | 109,440 / 49,650 |
| Tensile Strength (lbs / kg) | 61,060 / 27,700 | 61,060 / 27,700 | 61,060 / 27,700 |

