



IMPACT CLIPS

ShockWatch impact indicator clips are tamperproof, mechanically activated devices that turn bright red to indicate mishandling. They come in a wide range of impact sensitivities and sizes. In the event of mishandling, they provide tamperproof evidence and document chain of accountability from the first mile to the last.

ShockWatch clips are also used to alert the recipient to inspect shipment contents. The products are specifically designed to help manufacturers identify and correct gaps in their processes, test the robustness of packaging, determine the damage boundaries of products, assure product reliability, or reduce warranty abuse.

Single Clip

Designed to mount direct onto a product or container, the clip is compact and economical – providing damage reduction whenever and wherever your products are handled.

Single Clip Tube Mini

Using the same technology as the Single Clips, the Single Clips Tube Mini offers a reduced footprint – providing reliable impact detection to similar products, allowing you to pinpoint areas of concern during the shipping and handling process.

Double Clip Tube

Similar to the Single Clips, this device provides 360° impact detection.

Double Clip Tube Mini

Designed with minimum footprint for use on smaller products, the Double Clips Tube Mini gives maximum 360° impact detection.

Multi-G Clip

A single use diagnostic tool that incorporates three sensitivity levels into a single unit to indicate a low, medium and high G-force impact.

Product Features

- Tamper-proof design prevents concealment of activation without obvious evidence of interference
- Compliance and field tested for use in multiple manufacturing, shipping and storage environments
- Highly visible “red alert” to indicate mishandling
- Easy-to-use adhesive backing requires no tools or assembly
- Custom sensitivities and device types are available with minimum quantities
- Available in a wide range of sensitivities

Benefits

- Conduct incoming quality assurance inspection
- Improve handling during manufacturing process
- Identify reasonability for damage
- Reduce packaging costs
- Monitor products in the hands of end-users to reduce service calls and warranty abuse
- Field evaluate new package designs

Technical Specifications

| | |
|-------------------------|---|
| Sensitivity range | 10 - 100G |
| Impact duration | 0.5 - 50ms |
| Tolerance | ±15% at 20°C / 68°F, 1 ATM |
| Operating temperature | -25°C to 80°C / -13°F to 176°F |
| Adhesive | Acrylic |
| Product life | 2 years when stored at 20°C / 68°F, 1 ATM |
| Storage recommendations | 20°C / 68°F, 1 ATM, 0-99% RH Non-condensing |



SINGLE CLIP

Nearly 360° of detection

SPECIFICATIONS

Instrument:

Dimensions: 46.73 x 28.95 x 4.16mm (25G – 37.5G)
46.73 x 28.95 x 3.15mm (50G – 100G)

Options Available

- 32230 – Single Clip 10G
- 32231 – Single Clip 15G
- 32232 – Single Clip 25G
- 32233 – Single Clip 37.5G
- 32234 – Single Clip 50G
- 32235 – Single Clip 75G
- 32236 – Single Clip 100G



SINGLE CLIP TUBE MINI

The mini clip offers a reduced footprint designed to fit smaller products. Nearly 360° of detection

SPECIFICATIONS

Instrument:

Dimensions: 35.72 x 12.85 x 4.19mm (25 – 37.5G)
35.72 x 12.85 x 2.97mm (50G – 100G)

Options Available

- 32304 – Single Clip Tube Mini 10G
- 32303 – Single Clip Tube Mini 15G
- 32302 – Single Clip Tube Mini 25G
- 32301 – Single Clip Tube Mini 37.5G
- 32300 – Single Clip Tube Mini 50G
- 32249 – Single Clip Tube Mini 75G
- 32248 – Single Clip Tube Mini 100G



DOUBLE CLIP TUBE

Full 360° of detection

SPECIFICATIONS

Instrument:

Dimensions: 449.52 x 28 x 4.31mm (25G – 37.5G)
42.69 x 27.95 x 3.31mm (50G – 100G)

Options Available

- 32240 – Double Clip Tube 10G
- 32241 – Double Clip Tube 15G
- 32242 – Double Clip Tube 25G
- 32243 – Double Clip Tube 37.5G
- 32244 – Double Clip Tube 50G
- 32245 – Double Clip Tube 75G
- 32246 – Double Clip Tube 100G

| Sensitivity | Activation Height (on hard services) |
|--------------------------|--|
| 10G | Activates at 50.8mm to 101.6mm |
| 15G | Activates at 76.2mm to 153.4mm |
| 25G | Activates at 101.6mm to 203.2mm -Most commonly used clip |
| 37.5G | Activates at 153.4mm to 355.6mm |
| 50G | Activates at 8" / 203.2mm to 4" / 203.2mm |
| 75G | Activation trends at 482.6mm to 609.6mm |
| 100G | Activation trends at 609.6mm to 762mm |
| 25G, 50G, 75G (standard) | Activates at three different levels |



DOUBLE CLIP TUBE MINI

The double clip mini offers a reduced footprint designed to fit smaller products. Full 360° of detection

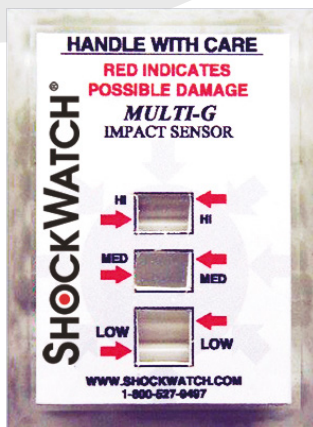
SPECIFICATIONS

Instrument:

Dimensions: 35.72 x 12.85 x 4.19mm (25 – 37.5G)
35.72 x 12.85 x 2.97mm (50G – 100G)

Options Available

- 32305 – Double Clip Tube Mini 10G
- 32306 – Double Clip Tube Mini 15G
- 32307 – Double Clip Tube Mini 25G
- 32308 – Double Clip Tube Mini 37.5G
- 32309 – Double Clip Tube Mini 50G
- 32310 – Double Clip Tube Mini 75G
- 32311 – Double Clip Tube Mini 100G



SPECIFICATIONS

Instrument:

Dimensions: 48.26 x 35.56 x 4.44mm

Indicator:

Sensitivity: 25G, 50G, 75G and sensitive to impacts on 360° axis

Responsiveness: Responds to single impact

Duration Ranges: 1 to 50ms

Adhesive: Acrylic

Shelf Life: 2 years from date of sale

32312 MULTI-G CLIP

Three sensitivity levels into a single unit to indicate a low, medium and high impact

| Sensitivity | Activation Height (on hard services) |
|--------------------------|--|
| 10G | Activates at 50.8mm to 101.6mm |
| 15G | Activates at 76.2mm to 153.4mm |
| 25G | Activates at 101.6mm to 203.2mm -Most commonly used clip |
| 37.5G | Activates at 153.4mm to 355.6mm |
| 50G | Activates at 8" / 203.2mm to 4" / 203.2mm |
| 75G | Activation trends at 482.6mm to 609.6mm |
| 100G | Activation trends at 609.6mm to 762mm |
| 25G, 50G, 75G (standard) | Activates at three different levels |

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