



ShockWatch RFID Impact Indicators

- Acts as a visual deterrent to improper handling
- Reduces mishandling through awareness
- Expands the utility of RFID with damage monitoring
- Provides indisputable evidence of mishandling
- Promotes chain of accountability for all product handling
- Confirms effectiveness of packaging
- Helps identify trouble spots in supply chain, from production to transportation and storage

Every company wants to improve their supply chain processes. RFID technology aided companies in improving inventory control. The ShockWatch RFID Impact Indicators allows companies to leverage the inventory tracking benefits of RFID and the benefits of an impact monitoring program. With ShockWatch RFID Impact Indicators, the need for visual inspections during the receiving process is greatly reduced. When shipments are scanned, the receiver will know if there has been a potentially damaging impact. If the ShockWatch RFID has activated, inventory can be isolated for further inspection. If there has been no impact, the shipment can be moved into saleable inventory.

ShockWatch RFID Impact Indicators deliver all the benefits of an impact monitoring program – reduce damage from mishandling, refine supply chain processes so mishandling can be prevented, drive down costs – plus an electronic record of the information. Armed with data, it is possible to track down trouble spots in the supply chain and implement process changes to improve outcomes.

ShockWatch RFID Impact Indicators are single use devices that are tamper-proof, field armable, turn red when an impact occurs and can be scanned with a standard UHF reader.



Sensitivity range between
5 – 75G



ShockWatch RFID Impact Indicator
with Ring Label



ShockWatch RFID Impact Indicator
with Ring/Companion Label



Selection Guide

Selecting the right RFID Indicator is a simple process. Start with your shipment size and weight. The selection guide provides a starting point for sensitivity

selection. The Indicator best suited to your application will also take into account product fragility and packaging. More fragile products may require a

more sensitive (lower G-force) Indicator while products with more robust packaging may need a less sensitive (higher G-force) Indicator.

	0.14 - 0.42m ³	0.42 - 1.42m ³	1.42 - 2.83m ³	2.83 - 7.08m ³	7.08 - 14.16m ³	14.16 - 304.8m ³	+304.8m ³
0 - 5kg	75G	75G	50G	37G	–	–	–
5 - 11kg	75G	50G	50G	37G	25G	–	–
11 - 23kg	50G	50G	37G	25G	25G	15G	–
23 - 45kg	50G	37G	37G	25G	15G	15G	10G
45 - 113kg	37G	37G	25G	25G	15G	15G	10G
113 - 454kg	37G	25G	25G	15G	15G	10G	10G
454 - 907kg	25G	25G	25G	15G	15G	10G	5G
907 - 2268kg	25G	25G	15G	15G	10G	10G	5G
2268 - 4536kg	25G	15G	15G	15G	10G	10G	5G
4536 - 6804kg	–	15G	15G	10G	10G	5G	5G
6804 - 9072kg	–	–	10G	10G	5G	5G	5G
9072 - 13608kg	–	–	–	5G	5G	5G	5G
+13608kg	–	–	–	–	5G	5G	5G

Specifications

Sensitivity Range	5 – 75G
Impact Duration	0.5 – 50ms
Tolerance	±15% at 20°C / 68°F, 1 ATM
Operating Temperature	-25°C – 80°C / -13°F a 176°F
Security	Tamper-proof, serialised
Shelf Life / Storage Recommendation	2 years stored at 20°C / 68°F, 1 ATM
Dimensions / Weight / Adhesive	42.93mm x 42.93mm x 6.35mm / ~5.05g / Acrylic