STEINFURTH®

Drop Cart Tester

Standardized drop tests on beverage cans

The Drop / CART Tester is a testing device designed to support two different beverage can stability tests: Drop Test and Can Abuse Resistance Test (CART). The Drop test includes repeated dropping of a specimen can onto a plain anvil plate from ever increasing heights. CART includes repeated dropping of a specimen can onto an anvil plate different from that used for the drop test, but from a fixed height.

INDUSTRIAL PHYSICS

Protecting
Product Integrity

Operation

The Drop/CART Tester retracts a support on which the can rests. The can will then fall down, guided by a set of parallel steel rods. These can be adjusted to fit the can. The retraction movement is triggered by pressing the green button (marked “Release”) on top of the valve cabinet. One or two seconds later, the support will extend again.

Benefits

- **Based on ISBT test for cans**
- **Repeatable results at any test place**
- **Easy drop height adjustment**
- **Automatic stepwise change of drop height**
- **Easy adjustment for different can diameter**
- **Usable for cans and aluminium bottle**

Technical Specification

Pressure supply	4 bar (58psi) to 10 bar (145psi)
System components • Concentric anvil plate for drop test • Eccentric anvil plate for drop test	
Drop height	60mm ...300 mm
Can diameter	45mm ... 70 mm

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INDUSTRIAL PHYSICS

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