SHOULDER & BUTTON HEAD GRIPS

Bottle Flip-Cap Test Fixture

Hinged hook fixture for opening force of bottle flip-caps



OVERVIEW

A special fixture for measuring the opening force of flip-top caps on bottles and tubes. A hinged hook mounted on a flat upper plate engages under the lip of the flip-cap, and as the crosshead rises the hook lifts the lid through its natural opening arc. The bottle is held upright in a lower holder. The force curve shows the force needed to open the cap and the behavior of the hinge.

KEY FEATURES

- Hinged hook engages under the flip-cap lip
- Follows the natural opening arc of the lid
- Flat upper plate references the top of the cap
- Knurled coupling nut for quick mounting and alignment
- Measures opening force and hinge behavior
- Adaptable to different bottle and cap formats

TECHNICAL SPECIFICATIONS

Test type	Flip-cap opening force
Specimen	Bottles and tubes with flip-top caps
Engagement	Hinged hook under cap lip
Material	Aluminum and steel
Max. load	On request
Coupling	On request
Specimen size	Adapted to customer bottle
Temperature range	Ambient

APPLICATIONS

- Beverage bottle closures
- Cosmetic and personal care packaging
- Pharmaceutical containers
- Food and condiment bottles

Ordering & customization: Specify bottle and cap type, cap dimensions, expected opening force and machine coupling; supply sample bottles if possible.

Drawings available on request
Contact us for dimensional drawings or 3D models of this product.

Specifications are typical and may vary by configuration; confirm at time of quote. Custom versions, couplings and adapters available on request. Part ref. UGC-SH-020