PRODUCT DATA SHEET

ISO 3035 Compression Platens

Guided Crush Platens for Corrugated Fibreboard

Built to ISO 3035 — Corrugated fibreboard — Determination of flat crush resistance



OVERVIEW

Guided compression platen set for crush testing of corrugated fibreboard. The upper platen rides on four precision posts in ball bushings, so it stays parallel to the lower platen through the stroke, and a pair of guide blocks holds edge crush specimens upright for consistent edgewise or flat crush results.

KEY FEATURES

- Four-post die-set guidance with ball bushings keeps platens parallel under load
- Flat, ground platens sized for flat crush and edge crush specimens
- Pair of guide blocks supports edge crush specimens square to the platens
- Central threaded spigot connects directly to the load cell
- Supplied with adapters to suit your load frame (clevis or threaded)

TECHNICAL SPECIFICATIONS

Test method	ISO 3035 crush resistance
Test type / loading	Compression between guided parallel platens
Specimens	Circular single-wall corrugated board test pieces per ISO 3035
Load capacity	5 kN typical; higher capacities on request
Fixture material	Corrosion-protected steel platens, hardened guide posts
Contact surfaces	Flat, ground parallel platens
Guidance	Four guide posts in recirculating ball bushings
Machine connection	Threaded spigot or pin adapter, to suit customer frame

APPLICATIONS

- Corrugated fibreboard and box board
- Packaging mill and box plant QC
- Flute crush and ECT testing
- Packaging design and box compression prediction

ABOUT THE STANDARD

ISO 3035 specifies a method for determining the flat crush resistance of single-wall corrugated fibreboard. A circular test piece is compressed perpendicular to its surface between two parallel platens until the flutes collapse; the maximum force per unit area is reported as flat crush resistance, an indicator of flute strength and board processing damage.

Ordering & customization: Specify the crush tests required (flat crush, edge crush), specimen size, force range and test machine connection when ordering.

Specifications are typical and may vary by configuration; confirm at time of quote. Users should refer to the current edition of the standard for test procedures. Part ref. UGC-ISO3035-CP