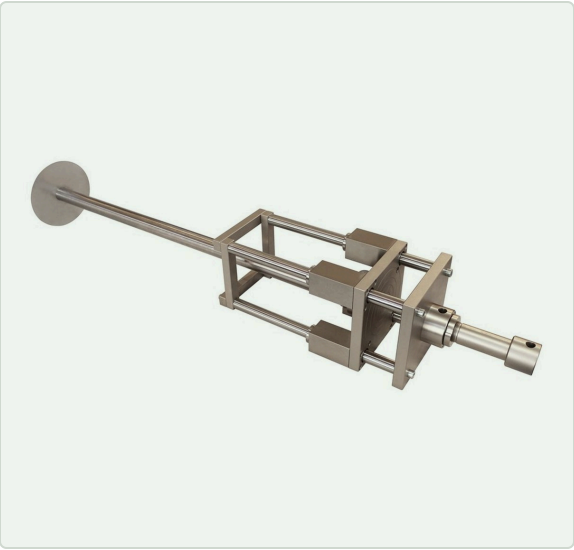
COMPRESSION PLATENS

Compression Platens with Guide Bars

Guided aluminum compression platens for cartons, boxes and large specimens



OVERVIEW

Large aluminum compression platens mounted in a guide frame with ball-bearing guide bars. The guides keep the upper platen parallel and protect the load cell from transverse forces and torque when bulky or off-center specimens are compressed. Used for crush and stacking tests on cartons, boxes, packaging and furniture parts such as chairs.

KEY FEATURES

- Ball-bearing guide bars keep the platens parallel under eccentric loads
- Protects the load cell from transverse forces and torque
- Anodized aluminum platens, 30 mm thick, for low moving mass
- T-slots in the platen for mounting accessories (5x on 400 × 400 mm)
- Top frame mounts directly in the universal testing machine
- Four-bar and two-bar guide versions in several platen sizes

TECHNICAL SPECIFICATIONS

Max. load	Depends on coupling size and cage version (on request)
Test type	Compression
Platen size	400 × 400 mm, 400 × 600 mm or 200 x 300 mm
Guide bars	4× 800 mm (400 mm platens); 2x (200 x 300 mm cage)
Platen thickness	30 mm (400 × 400 mm)
Coupling	Female clevis, Ø 15.9 mm (5/8 in) pin; others via adapter
Material	Aluminum, anodized; ball-bearing guides

AVAILABLE VERSIONS

400 × 400 mm	Aluminum platens, 4× 800 mm guide bars
400 × 600 mm	Aluminum platens, 4× 800 mm guide bars
200 × 300 mm	Aluminum compression cage, 2x guide bars

APPLICATIONS

- Corrugated cartons and boxes
- Packaging crush and stacking
- Chairs and furniture components
- Large foam and molded parts

STANDARDS GOST 2068

Ordering & customization: Specify platen size, number and length of guide bars, machine coupling, and the load cell capacity the cage will be used with (e.g. 5 kN or 50 kN).

Dimensional drawings
See page 2. Certified drawings and 3D models available on request.

Specifications are typical and may vary by configuration; confirm at time of quote. Custom versions, couplings and adapters available on request. Part ref. UGC-CP-010

Compression Platens with Guide Bars

DIMENSIONAL DRAWINGS

FIG. 1

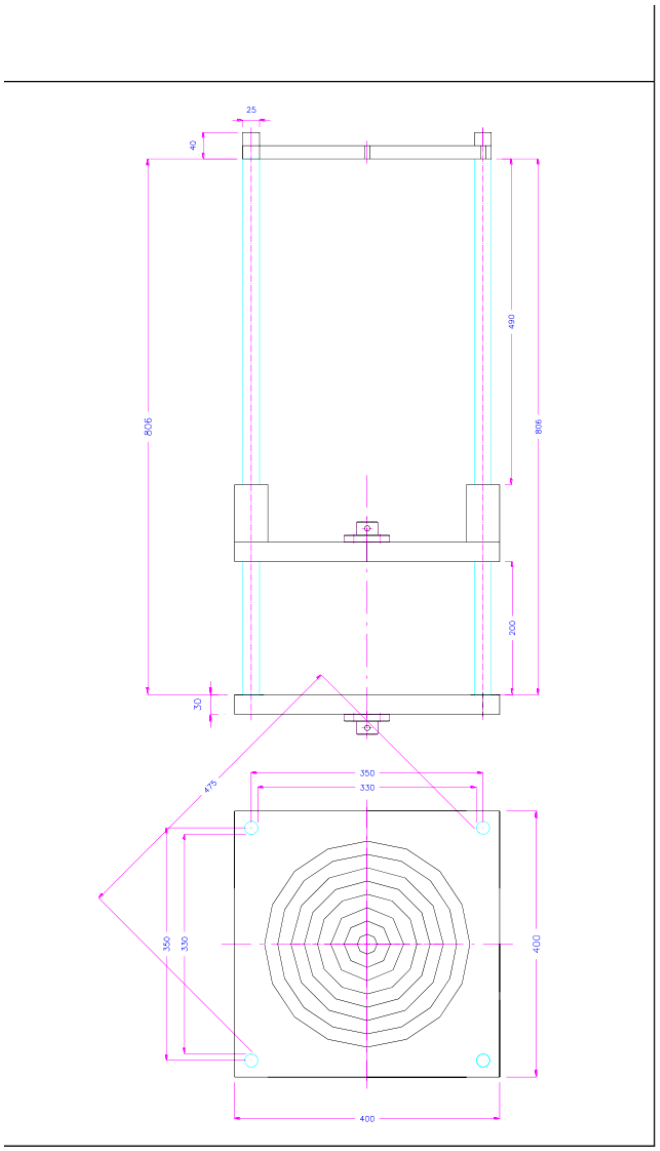
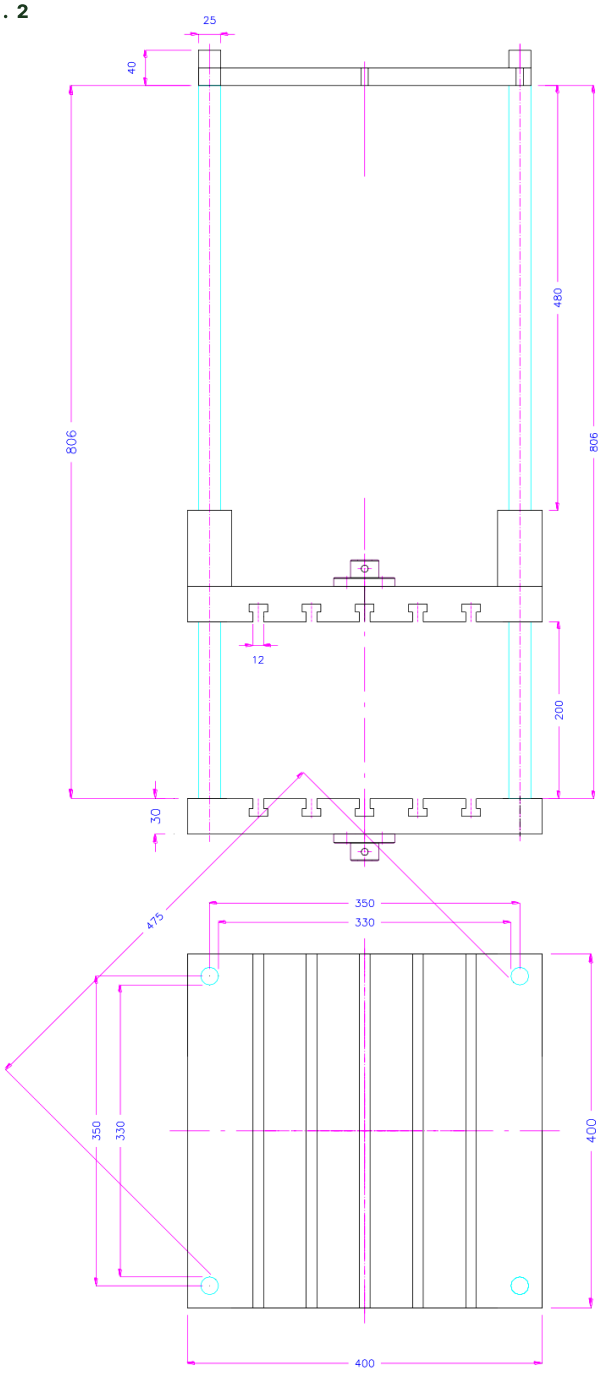


FIG. 2



Dimensions in mm. Drawings are representative of the product family and may show optional versions or accessories; dimensions are for reference only and may change without notice. Certified dimensional drawings and 3D models are available on request.