COMPRESSION CAGES

Ball Bearing Compression Cage 10 kN

Ball-bearing guided tension/compression cage with 100 × 100 mm platens



OVERVIEW

A cage fixture for compression tests driven by the tensile stroke of the machine, also usable for tension tests. Ball-bearing guides give smooth, low-friction travel and keep the 100 × 100 mm platens parallel over a 250 mm travel distance. The cage is rated for 10 kN and can be used in temperature chambers or built in larger sizes and for higher temperatures on request.

KEY FEATURES

- Ball-bearing guides for smooth, low-friction travel
- Usable for both compression and tension tests
- 100 × 100 mm anodized aluminum platens
- 250 mm travel distance for tall specimens
- Rated for a maximum load of 10 kN
- Larger platens and high-temperature versions on request

TECHNICAL SPECIFICATIONS

Max. load	10 kN
Test type	Compression and tension
Platen size	100 × 100 mm
Platen material	Anodized aluminum
Travel distance	250 mm
Coupling	Female clevis Ø 15.9 mm (5/8 in) or Ø 20 mm pin; others on request
Temperature range	0 to +70 °C; up to 200, 260 or 350 °C with special guides
Weight	7.3 kg

AVAILABLE VERSIONS

100 × 100 mm	250 mm travel, standard
150 × 150 mm	300 mm travel
200 × 200 mm	300 mm travel
250 × 250 mm	300 mm travel
300 × 300 mm	400 mm travel
400 × 400 mm	500 mm travel

APPLICATIONS

- Foams and packaging materials
- Elastomers and rubber parts
- Small components and springs
- Temperature chamber testing

Ordering & customization: Specify platen size, travel distance, coupling, platen material and maximum temperature.

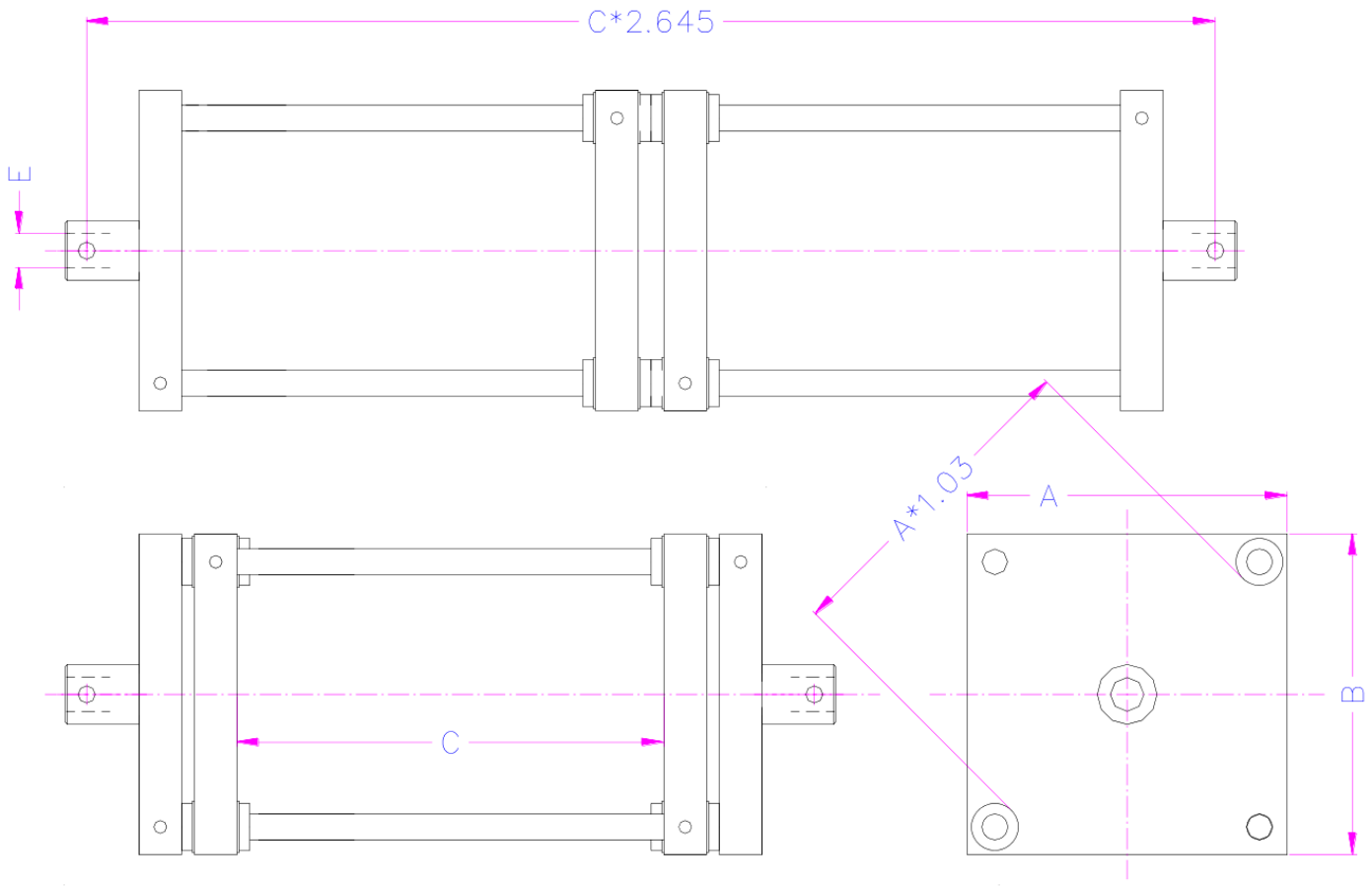
Dimensional drawings
See page 2. Certified drawings and 3D models available on request.

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

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DIMENSIONAL DRAWINGS

FIG. 1



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.