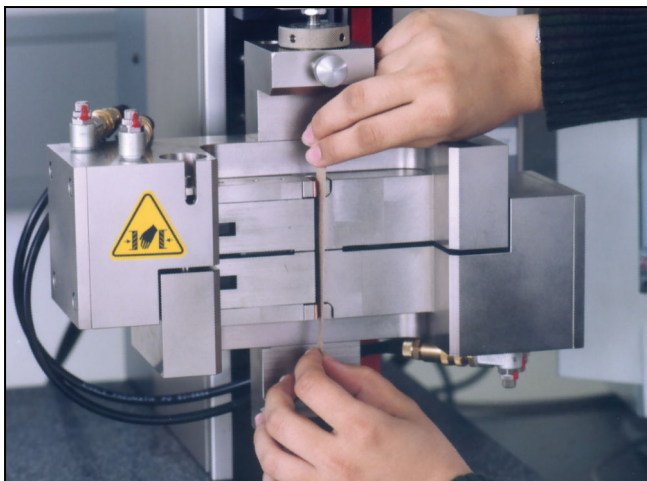


Product Information

Test fixture for determination of short-span compressive strength

CTA: 45112 287117



Test fixture for determination of short-span compressive strength

Applications

Tests to determine the short-span compressive strength at the sheet level of paper and cardboard (100 to 400 g/m²) to ISO 9895, TAPPI T826 and DIN 54518.

• Specimen material:

Paper, board

Function description

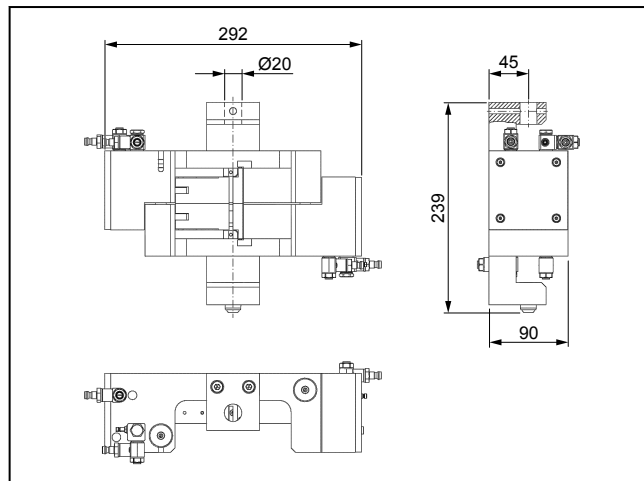
The test fixture is used to determine the short span compression strength of paper and cardboard.

It consists of two pneumatic clamping units. These are connected to one another by two precision guides.

The line of action of force of the guide element in the specimen and the symmetry line of the load cell are in one plane. They permit end loading without lateral forces and bending moments.

Advantages and features

- Used in combination with burst pressure instrument and materials testing machines: very functional and cost-effective, especially when testing corrugated base paper.
- Cost-effective accessories for testing machines instead of expensive individual solutions.



Test fixture for determination of short-span compressive strength, dimensions

- Solid construction with precision guides for excellent reproducibility, even with heavy paper grades.
- Guides and line of action of force in one plane; specimen loading is symmetrical and free from bending moments, delivering premium quality results for the SCT value.
- ZwickRoell test programs with prepared data interface to CAQ systems, guaranteeing rapid data integration.
- Pairs of jaws featuring precision vertical and horizontal guidance.
- Pneumatically applied closing force.
- Can only be operated via PC-controlled testing system.

Product Information

Test fixture for determination of short-span compressive strength

Technical data

Type Item No.	Test fixture for determination of short-span compressive strength 1106810	
Test load F_{max}	2.5	kN
Jaw length	30 ± 0.1	mm
Gripping range	0.7 ± 0.005	mm
Operating pressure	6	bar
Dimensions		
Height	239	mm
Width	292	mm
Depth	90	mm
Connection	Stud $\varnothing 20$	mm
Weight, approx.	6	kg
Ambient temperature	+15 ... +30	°C

Accessories required

Pneumatic control unit (1x required)

The pneumatic control units can be used with testXpert III V1.7 (from 14.12.2022) and testControl V8.62.

Description	ArticleNumber
Pneumatic control unit or	1108557
Pneumatic control unit with clamping pressure preselection via testXpert III testing software	1108559

Pneumatic hoses (1x required)

Description	ArticleNumber
Set of pneumatic hoses for connecting a pair of pneumatic grips to a pneumatic control unit	1112640