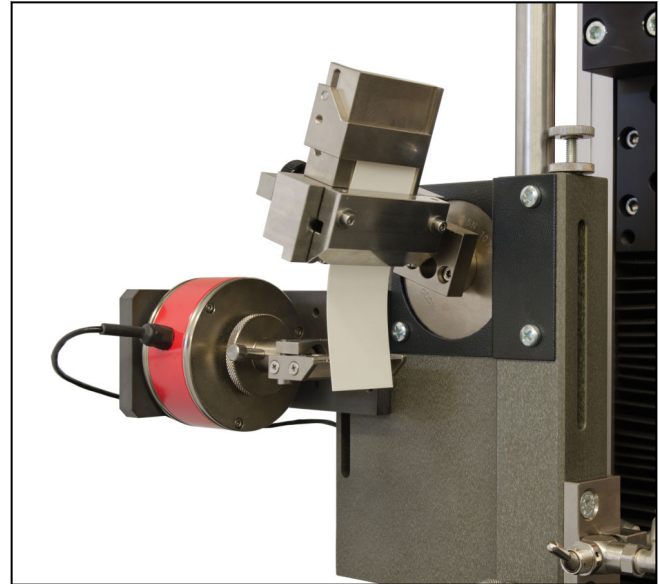
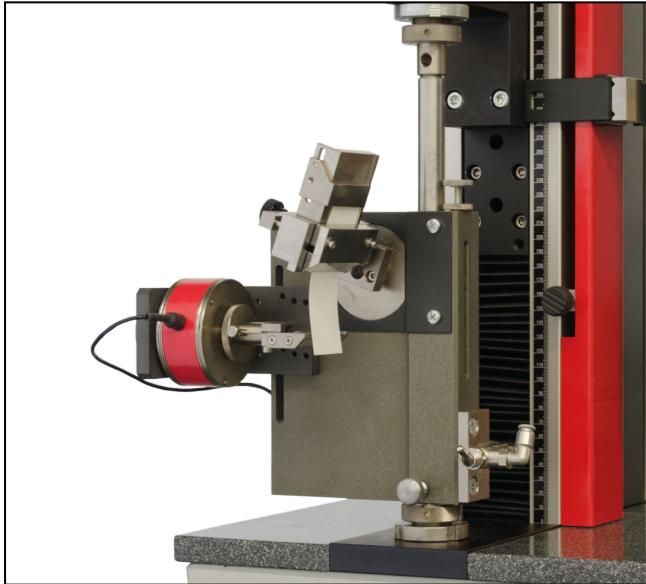


## Product Information

### 2-point flexure test kits

CTA: 45173 73225



2-point flexure test kit for paper, board and films

#### Applications

- determination of the bending stiffness (using the beam method) and bending resistance of paper, board and cardboard (e.g. to DIN 53121, ISO 5628 and similar to ISO 2493-1), plastics (e.g. DIN 53350) and coated textiles (similar to ISO/TC 45/SC 4).
- determination of the technical quality of board creasings (e.g. to DIN 55437-3, 05/2008).
- Testing of corrugated board – Creasings (e.g. to DIN 19304)

Various clamping systems are available depending on the material and properties/condition of the specimen.

#### • Specimen material:

paper, board, cardboard, plastic films

- can be used for films (depending on stiffness) from approx. 20µm to 200
- can be used for paper (depending on stiffness) from approx. 40 g/m<sup>2</sup> to approx. 450 g/m<sup>2</sup>.

- stepless adjustment of bending lengths from 1 to 100 mm
- short bending lengths (1, 2 and 5mm) can be set exactly via precision grid
- fast, precise alignment of specimen using adjustable stops
- bending angle either standard or user-defined can be set up to a maximum of 120°
- very high angle resolution
- reproducible, adjustable closing force with pneumatic clamping
- use of pneumatic grips allows convenient specimen clamping
- use of spring grips provides constant closing force
- pneumatic and spring clamping minimize operator influence.

## Product Information

### 2-point flexure test kits

#### Technical data

##### Base unit (1 x required)

Item No.	072350	
Test load $F_{max}$	0.1	kN
Specimen thickness:		
Film/foil	20 to 200	$\mu\text{m}$
Paper	40 to 450	$\text{g/m}^2$
Specimen width:	1 to 50 mm or 1 to 100 <sup>1)</sup>	mm
Bending length	1 to 100	mm
Grid settings for bending length	1, 2 and 5	mm
Bending angle, max.	120	°
Overall height	296	mm
Connection, lower	Bolts $\varnothing$ 20 mm	

1) Depending on accessories (see below)

#### Accessories

##### Load cell

$F_{max}$  5, 10, 20, 50 or 100 N

##### Accessories for specimen widths up to 50 mm

Description	ArticleNumber
Die (1 x required for specimen widths up to 50 mm) with adjustment gauge and load cell holder for specimen widths up to 50 mm	<b>076606</b>
<b>Clamps (1 x required)</b>	
Pneumatic clamps for specimen widths up to 50 mm, opening width 6 mm <sup>1)</sup>	<b>076614</b>
Spring clamps for specimen widths up to 50 mm, opening width 10 mm	<b>076610</b>
Screw clamps for specimen widths up to 50 mm, opening width 10 mm	<b>076611</b>

1) Pressure, min.: 5 bar; pressure, max.: 10 bar

##### Accessories for specimen widths up to 100 mm

Description	ArticleNumber
Die (1 x required for specimen widths up to 100 mm) with adjustment gauge and load cell holder for specimen widths up to 100 mm	<b>076608</b>
<b>Clamps (1 x required)</b>	
Pneumatic clamps for specimen widths up to 100 mm, opening width 6 mm <sup>1)</sup>	<b>072351</b>
Spring clamps for specimen widths up to 100 mm, opening width 10 mm	<b>076616</b>
Screw clamps for specimen widths up to 100 mm, opening width 10 mm	<b>076617</b>

1) Pressure, min.: 5 bar; pressure, max.: 10 bar