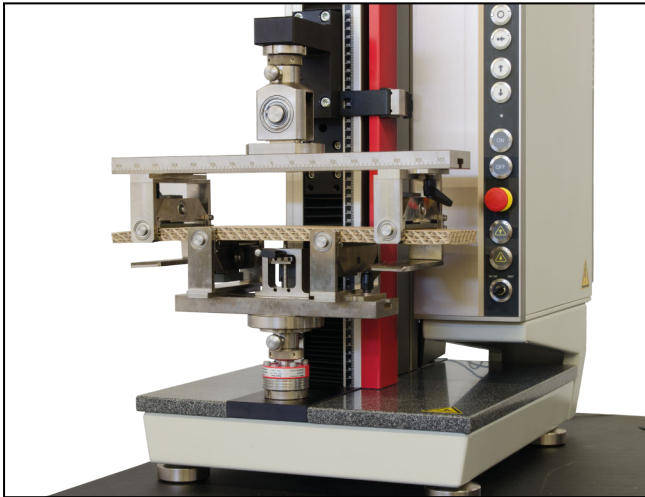


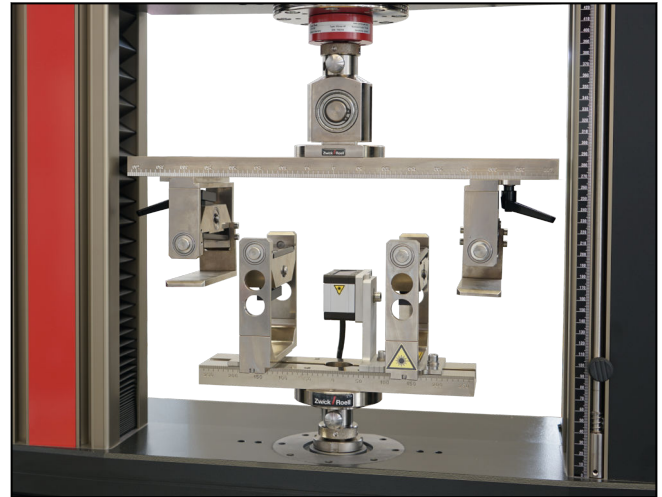
Product Information

4-point flexure test kit for testing single and multi-wall corrugated board etc.

CTA: 45201 272814



4-Point flexure test kit with mechanical flexure transducer



4-Point flexure test kit with optical flexure transducer

Applications

Tests as per DIN 53121 and ISO 5628 and based on TAPPI T820 and TAPPI T836

• Specimen material:

- single and multi-wall corrugated board
- heavy-duty corrugated board
- strong solid board
- corrugated board
- structural materials, e.g. honeycombs

Advantages of 4-point flexure test kit

- Anvils specifically designed for testing corrugated board; measurement unaffected by warping of the board.
- Overall specimen lengths >200 mm to approx. 400 mm can be inserted easily and accurately using the insertion guide-marks.
- Minimal operating steps during the test ensure fast, safe and reliable handling.
- Force-displacement curve during displayed through entire test sequence via ZwickRoell testing software, enabling initial non-linearities to be identified and corrected in the results.

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4-point flexure test kit for testing single and multi-wall corrugated board etc.

Technical data

Type Item No.	4-point flexure test kit with mechanical displacement transducer 057844 ¹⁾	4-point flexure test kit with optical displacement transducer 1106016 ²⁾	
Test load F_{max}	2.5	2.5	kN
Measuring device			
Measurement displacement, max.	12	10	mm
Resolution	0.1	-	μ m
Reproducibility	-	<0.4	μ m
Height of the measuring device, max.	55	86 ... 97	mm
Dimensions			
Flexure table, upper			
Length	420	420	mm
Width	70	70	mm
Height	20	20	mm
Flexure table, lower			
Length	270	270	mm
Width	70	70	mm
Height	20	20	mm
Support width	96	96	mm
Support depth	30	30	mm
Specimen width, max.	100	100	mm
Upper span (support width)	31 ... 390		mm
Lower span (flexure length)	90 ... 200 ³⁾		mm
Connection, upper	Stud \varnothing 20	Stud \varnothing 20	mm
Connection, lower	Connector TK 40/75 mm Base crosshead (table top testing machines)		
Ambient temperature	+10 ... +35	+10 ... +35	$^{\circ}$ C
Weight, approx.	7.3	9.1	kg
Scope of delivery	3 tiltable anvils, 1 rotating anvil, displacement measurement system	3 tiltable anvils, 1 rotating anvil, measuring system	
Upper anvil span (support width)		31 ... 390	
Lower anvil span (flexure length)		140 ... 200	

1) Required module: 1 x INC

2) Required module: 1 x I/O

3) When the anvils are rotated, a distance up to 240 mm is possible.

Accessories required

- INC module for fixture with mechanical displacement transducer
- I/O module for fixture with optical displacement transducer
- Load cell 200 N to 2.5 kN

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NOTE

- Tests on corrugated board < B-flute upon request. Pre-tests are required.
 - For correct measurement results the load cell must be mounted at the bottom.
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