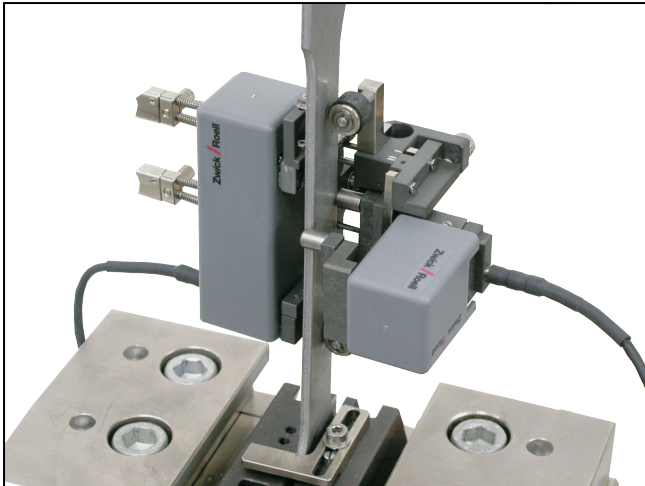


Product Information

digiClip Biax

CTA: 44059 44060



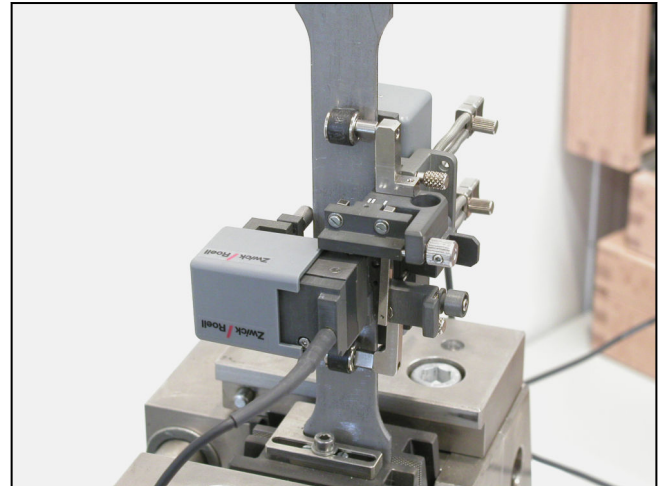
digiClip Biax

Applications

With its compact design, accuracy and long measurement travel, ZwickRoell's digiClip Biax is unrivalled when it comes to determining extension and change in width.

The extensometer can be used for the following application areas:

- extension measurement plus r-value determination on metals to ISO 10113, ASTM E517 and ISO 10275
- testing fiber composites at room temperature:
 - extension measurement in tensile tests
 - measurement of Poisson's ratio in tensile tests
 - measurement of in-plane shear (IPS) in the $\pm 45^\circ$ shear test.



digiClip Biax, detailed view

Function description

Very long measurement travel is available for both extension and change of width. Extension can be up to 40 mm in the tensile direction, while change in width can be up to 14 mm. The initial gauge length of the combination instrument is 50/80 mm.

Advantages and features

- With its very long measurement travel, ZwickRoell's combination clip-on extensometer is unrivalled when it comes to determining extension and change of width.
- It can be used in combination with multiXtens, max-roXtens II and the long-travel extensometer (LO \geq 50 mm).

Product Information

digiClip Biax

Technical data

digiClip Biax for AllroundLine and zwickiLine testing systems

Type Item No.	digiClip Biax 078785	
Measurement travel for extension: for tension	-0.2 to 41.5	mm
Measurement travel for change in width (with fixed measurement line): With a specimen width of 10 mm	1.5	mm
With a specimen width of 15 mm	6.5	mm
With a specimen width of 20 and 25.4 mm	11.5	mm
Specimen dimensions Flat specimens (d x w)	up to 4 x 10 25	mm
Resolution	0.02	µm
Accuracy	Class 0.5	to EN ISO 9513
Mounted height	90	mm
Weight, approx.	300	g
Ambient temperature	+10 to +35	°C
Storage temperature	-20 to +55	°C
Housing color	RAL 7011	

Accessories required

Description	Item number
2x digital measurement module	046637

Optional accessories

Carbide knife-edge

Description	Item number
Carbide knife-edge, circular, sharp Knife-edge can be rotated for further use in the event of wear.	085821