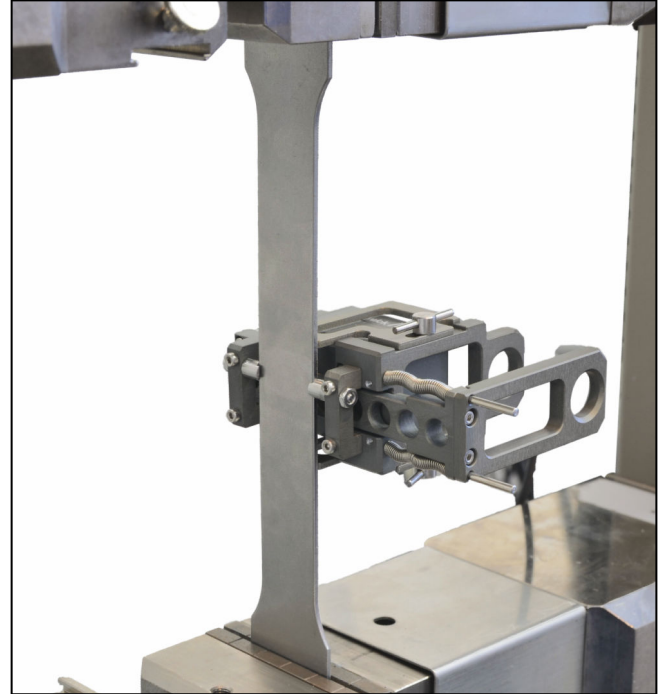
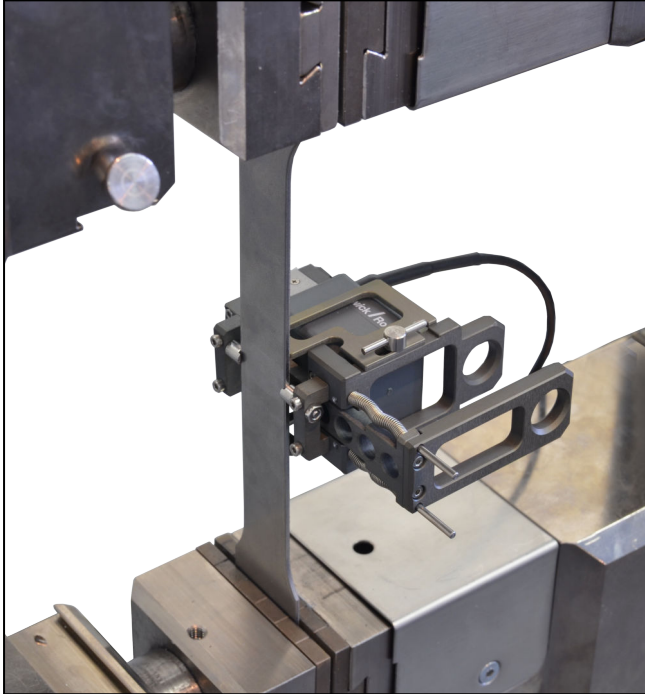


Product Information

digiClip Transverse

CTA: 94571 201535



digiClip Transverse

Applications

The digiClip transverse strain extensometer is designed for the r-value determination on metals according to standards ASTM E517 and ISO 10113. The extensometer is ideal for determination of the Poisson's ratio on plastics and composites according to DIN EN ISO 527-1/-2/-4 in a tensile test. In addition, it can be used to determine the in-plane shear behavior of fiber-reinforced composites in a $\pm 45^\circ$ shear test.

Function description

This clip-on extensometer measures change in width with a measuring line on metal specimens with a maximum width of 25.4 mm and a thickness of 6 mm. Change in width can be up to a maximum of 14 mm.

Advantages and features

- Can be used alone or in combination with a multiXtens, makroXtens II or long-travel extensometer. Thanks to its low overall height it can easily be attached to the specimen between the pairs of sensors, allowing change in length and in width to be recorded using one measuring assembly.
- One-handed operation for improved handling
- Very high resolution - 0.02 μm
- Mounting bracket for attachment to load frame plus fall protection included in delivery.

Product Information

digiClip Transverse

Technical data

- digiClip Transverse for AllroundLine and zwickiLine testing systems
- With a fixed measurement line

Type Item No.	digiClip Transverse 078783	
Measurement range		
Setting 1	8.5 ... 20	mm
Setting 2	13.5 ... 25.4	mm
This results in		
At a specimen width of 10 mm	1.5	mm
At a specimen width of 15 mm	6.5	mm
At a specimen width of 20 and 25.4 mm	11.5	mm
Specimen dimensions		
Flat specimens (t x w)	Up to 6 x 10 ... 25	mm
Resolution	0.02	µm
Accuracy	Class 0.5	To EN ISO 9513
Mounted height	42	mm
Weight, approx.	115	g
Securing device included	Yes	
Ambient temperature	+10 ... +35	°C
Housing color	RAL 7011	

Accessories required

Required module

Description	ArticleNumber
Incremental measurement module	046637