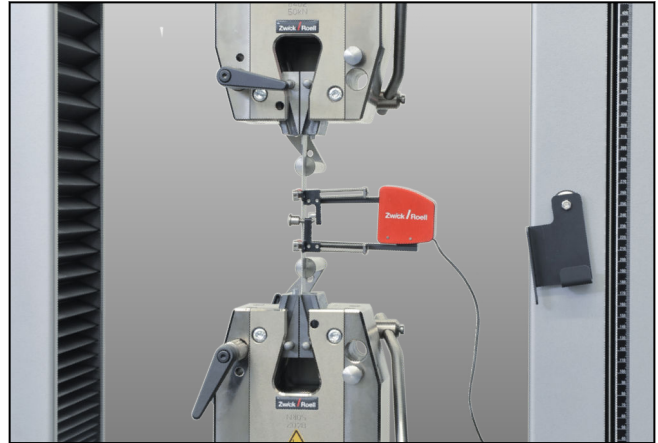
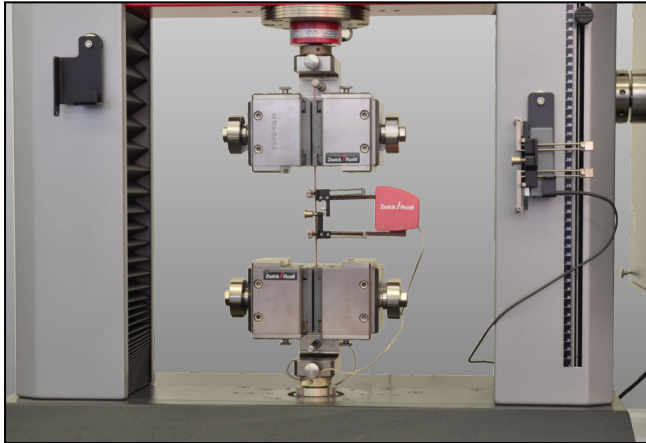


Product Information

Clip-on extensometer 5025-1, 8040-1 and 7537-1

CTA: 158207 172496



Applications

Clip-on extensometers 5025-1, 8040-1 and 7537-1 are manual clip-on extensometers which can be clamped on to the specimen. These clip-on extensometers are heat-resistant.

In addition, clip-on extensometers 5025-1 and 8040-1 are suitable for closed-loop strain-rate control on metals to ISO 6892-1 Method A.

Clip-on extensometers 5025-1 and 7537-1 are tailored to tests on rigid plastics and composites to ISO 527. They also satisfy the requirements of Annex C for determination of tensile modulus.

Advantages and features

- Accuracy Class 0.5 to EN ISO 9513 up to 60% of measurement travel.
- Clip-on extensometers 5025-1 and 8040-1 are approved for closed-loop strain-rate control to ISO 6892-1 Method A.
- Convenient one-handed operation allows fast, easy attachment and removal of the clip-on extensometer. This enables trouble-free operation, even in narrow temperature chambers.
- Cost-effective, high-precision extensometers for determination of strain on metals, rigid plastics and composites.
- Lightweight construction
- Accurate, lockable setting of initial gauge length ensures reproducible test results.
- Suitable for tensile and compression tests

Product Information

Clip-on extensometer 5025-1, 8040-1 and 7537-1

Technical data

Type Item No.	Clip-on extensometer 5025-1 1034897	Clip-on extensometer 8040-1 1067159	Clip-on extensometer 7537-1 1067160	
Accuracy up to 60% of measurement travel	Class 0.5 to EN ISO 9513 Class 1 to EN ISO 9513	Class 0.5 to EN ISO 9513 Class 1 to EN ISO 9513	Class 0.5 to EN ISO 9513 Class 1 to EN ISO 9513	
Measuring system	Single-sided strain gauge system			
Initial gauge length	50	80	75	mm
or	2	-	3	"
Measurement travel				
for tensile	25	40	37.5	mm
for compression	5	5	5	mm
Specimen dimensions, max.				
Round specimens (Ø)	20	15	15	mm
Flat specimens (d x w)	20 x 32	15 x 30	15 x 30	mm
Specimen dimensions, min.				
Round specimens (Ø)	1	1	1	mm
Flat specimens (d x w)	1 x 1	1 x 1	1 x 1	mm
Ambient temperature	-75 to +200	-70 to +200	-70 to +200	°C
Scope of delivery	clip-on extensometer 5025-1 and knife-edges for testing metals	clip-on extensometer 8040-1 and knife-edges for testing metals	clip-on extensometer 7537-1 and knife-edges for testing plastics	
Overall height	66	90	85	mm
Weight	105	118	118	g

Accessories required

Description	Item number
DCSC module or	087417
USC module	029443

Optional accessories

Knife-edges

Description	Item number
Carbide knife-edges, convex, interchangeable (2 pieces) Blade, radius 0.5 mm For testing clamping-sensitive plastics	1045295
Carbide knife-edges, straight, interchangeable (2 pieces) Sharp-edged blade For testing plastics and metals	1047041
Prismatic counter-roller for round specimens	1067935

All data at ambient temperature.

We reserve the right to make technical changes in the course of ongoing development.

Product Information

Clip-on extensometer 5025-1, 8040-1 and 7537-1

Description	Item number
For specimen diameters 1 to 15 mm	

Conversion kit

Description	Item number
Conversion kit for clip-on extensometer 8040-1 to 75mm initial gauge length	1067161
Conversion kit for clip-on extensometer 7537-1 to 80 mm initial gauge length	1067162

Withdrawal device

Description	Item number
Withdrawal device for ClipOn 5025-1, 8040-1 und 7537-1	1069968

Sensor extension cable

Description	Item number
Sensor extension cable, for AllroundLine type SNS, TE and TW	072143