

Cam Grips GR-30/GR-2000

Attachment for tensile test of thin sample of rectangular shape

Easy one-touch clamping

Cam mechanism: sample is self-tightened as pulled



GR-30






GR-2000



Test Image
(Tensile test of paper)



Test Image
(Tensile test of rubber sheet)

Install Test Sample (GR-30)		
Lower the lever.	Insert the sample to the gap of the roller.	Raise the lever and fix it.
		

Specifications		
Model	GR-30	GR-2000
Capacity	500N	2000N
Roller width	30mm	50mm
Max. sample thickness	2mm	4mm
Method of clamp	Cam mechanism (*)	
Dimensions	See [Dimensions]	
Weight (*1)	Approx. 180g	Approx. 870g
Mounting screws	M6	M10

* Cam mechanism is not fit to grip slippery or deformable samples.

*1 Weight of the attachment is also applied as a load on the force gauge. Consider it when selecting the capacity of a force gauge.

Examples of Product Configuration GR-30	
Example 1	Code: 1G2001A
Simple tensile test up to 500N	
Digital Force Gauge: DST-500N Manual Test Stand: HV-500N2 Optional Attachment: GR-30 (2 pieces)	
Example 2	Code: 1G2001B
Tensile test up to 500N with high functionality and versatility	
Digital Force Gauge: ZTS-500N Motorized Test Stand: MX2-500N Optional Attachment: GR-30 (2 pieces) Optional Cable: CB-528	
Example 3 (*1)	Code: 1G2001C
Force-displacement test to evaluate material characteristic up to 500N	
Force-Displacement Measurement Unit: FSA-0.5K2-500N Optional Attachment: GR-30 (2 pieces)	
Examples of Product Configuration GR-2000	
Example 1	Code: 1G2002A
Tensile test up to 2000N with high functionality and versatility	
Digital Force Gauge: ZTS-2500N Motorized Test Stand: MX2-2500N Optional Attachment: GR-2000 (2 pieces) Optional Cable: CB-528	
Example 2 (*1)	Code: 1G2002B
Force-displacement test to evaluate material characteristic up to 2000N	
Force-Displacement Measurement Unit: FSA-2.5K2-2500N Optional Attachment: GR-2000 (2 pieces)	









Image of Product Configuration GR-30 Example 2

*Refer to the specification of each product for details.


*Product configuration varies depending on the shape and characteristic of the sample, and measurement conditions.

*The recommended capacity of force gauge varies depending on the expected force to be loaded.

*1 The deformation of test sample influences the results of displacement measurement due to cam mechanism.

Mountable Force Gauges for GR-30		
DST/DSV Series	ZTS/ZTA Series	FB/PS/PSM Series
Digital force gauge with excellent cost-performance capable to manage data with PC	Digital force gauge with high precision, featuring high sampling rate and a variety of useful functions	Mechanical force gauge for easy handling
		
Mountable Force Gauges for GR-2000		
High Capacity ZTS/ZTA Series	PSH Series	
Digital force gauge with high precision, featuring high sampling rate and a variety of useful functions	Mechanical force gauge for easy handling	
		

*Select suitable force gauge to correspond with the mounting screws of attachment.

Related Products		
Film Grip FC-21/20/40/21U/41U/21UQ	Roller Grip GC-60/100	Attachment for PP band PPC-5000N
Attachment designed to grip thin samples such as film. Various models are available to fit your test samples.	Attachment designed to hold extensible samples such as rubber, film etc. without slipping.	Attachment designed for tensile test of PP band (polypropylene band).
		
<div> <div>Film Cutter FSC-1525</div> <div>Cutter for cutting samples at stable width (Suitable samples: paper, film).</div> <div></div> <div> <div>Corresponding Standard (width: 15mm)</div> <div>JIS Z1707:1997 (*1) JIS Z0238:1998 (*1)</div> </div> <div> <div>Corresponding Standard (width: 1 inch)</div> <div>ATSM F88 (*1)</div> </div> </div>		

*1 Partly complies.

[Dimensions]

GR-30	GR-2000

Unit: mm

[Cautions]

- Information in this document is subject to change without prior notice.
- This document is product descriptions and handling precautions, and do not guarantee various characteristics or safety.
- This product is designed for force measurement purpose only.
- Do not copy and use this content without authorization.
- A force gauge (sold separately) is required to use this product.
- Some samples may not be suitable to measure with this product.

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