DYNAMIC SERVO
SAGInoMIYA

High Speed Material Test System

HMH SERIES (206 Type)
Load Sensing Block Type

Wide-Range
Wide range of strain speed tests can be performed.

Hi-Accuracy
Accurate data is detected.

Flexible
Both tension and compression testing can be performed.

SAGInoMIYA

High Speed Material Test System

Covers a wide range of strain speeds from the quasi-static deformation zone to the high-speed deformation zone. Test system allows accurate and easy measurement of stress-strain characteristics.

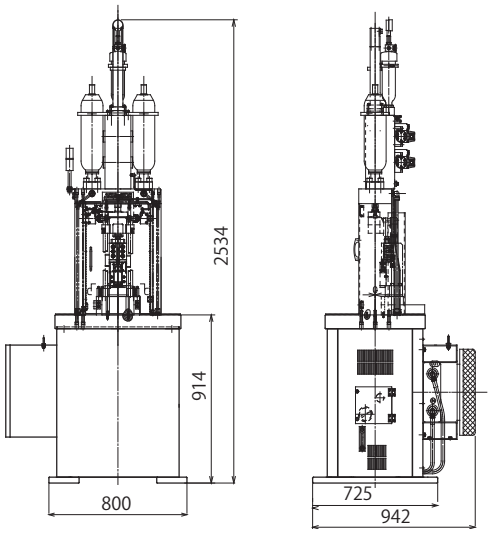
Uses unique "sensing block system" for load detection.
Not easily influenced by stress reflection waves, allowing accurate measurement during high-speed deformation.

Equipment Specifications

Model 206-			10	20
Max. load	Tensile load	kN	5	10
	Compressive load	kN	10	20
Strain rate range		s^{-1}	10^{-2} to 10^{3}	
Displacement speed range		cm/s	0.004 to 500	
Maximum elongation measuring quantity		mm	10	
Calibration accuracy		%F.S.	Load ±1, elongation ±1.5	

Data Processing
- Load - time diagrams
- Displacement - time diagrams
- Load - displacement diagram
- Nominal stress - nominal strain diagram
- True stress - true strain diagrams
- Elastic coefficient, yield stress (tensile strength), breaking load
- Absorption energy

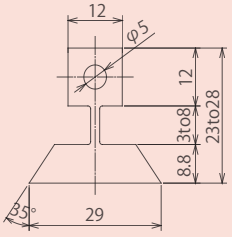
Dimensions

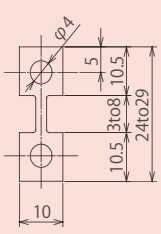


Test Piece

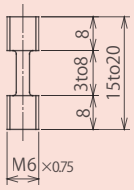
Metal

Flat sheet

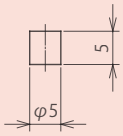




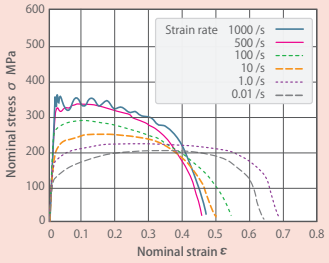
Round rod



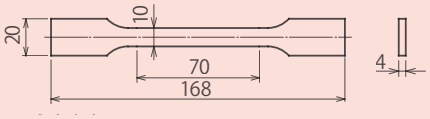
Cylinder



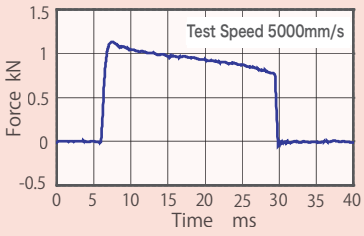
Example



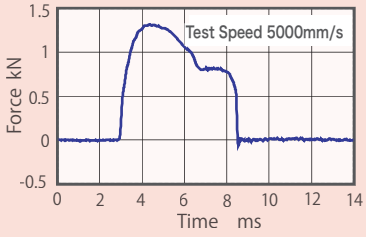
Plastic



Example1



Example2



This product was developed using technical resources from Professor Emeritus Tanimura of Osaka Prefecture University.

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https://www.saginomiya.co.jp/en/

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NOTES FOR SAFETY

Failure to read and follow all instruction carefully before installing or operating the product could cause personal injury and/or property damage.

Specifications are subject to change without notice.

2024.8