

Rotation support jig for HTGS/A RSH series

- Manual rotation support jig for torque gauge HTGS/A series to measure torque in the horizontal direction
- Ideal for analyzing torque-angle relationships by using an angle-meter
- Attachments for HTGS/HTGA can be installed on the handle side for use



Setting image

Measuring Image



Torque measurement of a small motor



Torque measurement of a volume switch

Features

Highly convenient

The sample can be easily fixed and detached since the stage position is easily adjustable by lever.



Accommodates a variety of samples

The sample of different sizes can be measured since the sensor position can move horizontally up to 105mm. In addition, the stage allows smooth movement which is suitable for testing a sample such as a screw that moves back and forth due to rotation.




Specifications						
Model	RSH-5N	RSH-5N-EXT	RSH-5N-EXT2	RSH-5N-RA	RSH-5N-RA-EXT	RSH-5N-RA-EXT2
Features	Standard type			With angle-meter		
Capacity	5N-m (500N-cm)					
Maximum depth of a sample (With HT-ST, DT-TB series)	205mm	305mm	405mm	205mm	305mm	405mm
Weight	Approx. 5.1kg	Approx. 5.5kg	Approx. 5.9kg	Approx. 5.1kg	Approx. 5.5kg	Approx. 5.9kg
Dimensions	See [Dimensions]					
Accuracy	-			+/-0.2 degrees (*1)		
Angle measurement range	-			0 to 9999.9 degrees (*1)		

* Do not to apply torque more than 5N-m even when using HTGS/A-10N.

* Select light weight attachment such as HT-STL and HT-STLW to mount to sensor side when using HTGS/A-0.5N.

*1 HTGA series is required for measuring angle.

Examples of Product Configuration RSH-5N-RA	
Example 1	Code : 1R4001A
Analyzing torque-angle relationships for capacity up to 5N	
Handheld Digital Torque Gauge: HTGA-5N	
Rotation support jig for HTGS/A: RSH-5N-RA	
Optional attachment: HT-ST 2pcs	
Optional software: Force Recorder Professional	
Examples of Product Configuration RSH-5N	
Example 1	Code : 1R4002A
Functional and advanced torque test for capacity up to 5N	
Handheld Digital Torque Gauge: HTGS-5N	
Rotation support jig for HTGS/A RSH series: RSH-5N	
Optional attachment: HT-ST 2pcs	





RSH-5N-RA
Product Configuration 1R4001A Image






* Refer to the specification of each product for details.

* Product configuration varies depending on the shape and characteristic of the sample, and measurement conditions. Contact us or authorized distributor for further details.

* The recommended capacity of torque gauge varies depending on the expected maximum torque value.



Compatible Torque Gauges (separately sold)	
Standard Type Handheld Digital Torque Gauges HTGS series	High Functionality Type Handheld Digital Torque Gauge HTGA series
The standard model torque gauge having high measuring performance and high usability	The advanced model torque gauge equipping various functions such as angle input/output and data saving to USB flash drive
	

[Optional Attachments]

Small table HT-ST	Wide Table HT-STW	Light Weight Small Table HT-STL
A table attachment suitable for measuring small samples such as eye drops lids and padlocks.	Wide type of HT-ST capable of holding samples from $\phi 10$ to $\phi 100$.	Light weight table that can be attached to a torque gauge with maximum torque of 0.5 N-m. It reduces the effect of the attachment's weight, allowing for more precise measurement of small torques.
		
Light Weight Wide Table HT-STLW	Pin chuck HT-DC-6.5 etc.	M10 adaptor HT-AD-M10
Wide type of HT-STL capable of holding samples from $\phi 10$ to $\phi 100$.	Suitable for clamping samples such as wire and round-bar due to its three claws.	Adaptor for mounting M10 attachment.
		

* Attachments for the HTGA/HTGS series can be installed. For more details, please refer to the specification "Attachment for HTGS/HTGA Series"

[Optional Accessories]

Electric screwdriver adapter RSS-AD-ED	Retrofit angle meter kit RSS-AMK
	
<p>Replace the handle part of RSH series to RSS-AD-ED to insert an electric screwdriver. It enables automatic rotation to improve testing efficiency.</p> <p>*It does not support high-speed rotation. Use an electric screwdriver within 300min-1.</p>	<p>Mounting RSS-AMK to RSH-5N, RSH-5N-EXT or RSH-5N-EXT2 allows to become -RA specification and measure the torque-angle relationship.</p>

[Customized Option Example]

Tension with weight: Measures torque while applying tension/compression force

- This customized option allows for the measurement of torque while applying tension/compression force by hanging weights to evaluate torque transition influenced by tension/compression force change.
- Optional table can be added to reduce the risk of dropping the weight.
- * For HTGS/HTGA, it is recommended to use customized products with modified cables.
- * A customized stand with an angle meter is also available. Torque-angle transition can be plotted when used with HTGA series and Force Recorder Professional.

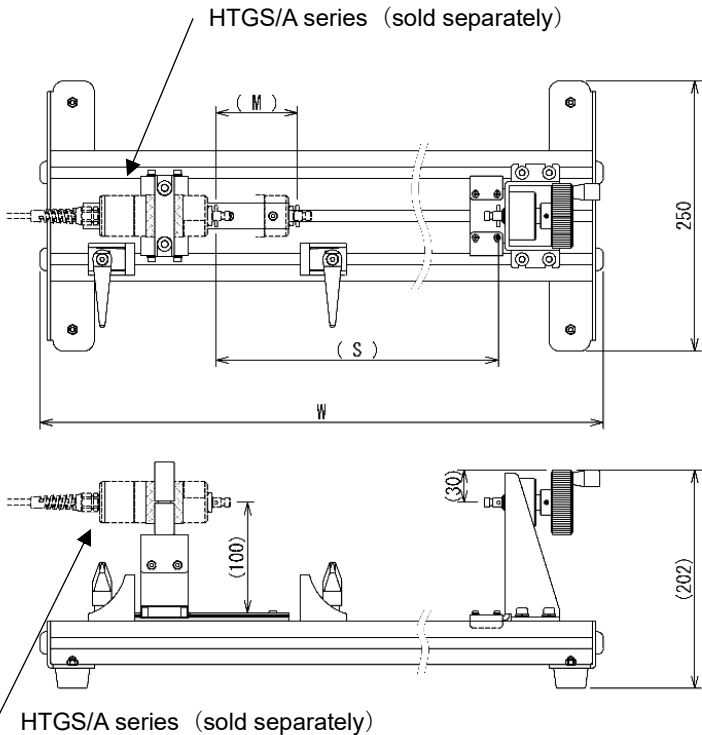
Application examples

Compression-torque:
Child resistant caps, press and turn keys, gas control knobs, etc.

Tension-torque:
Cables, etc.

[Dimensions]

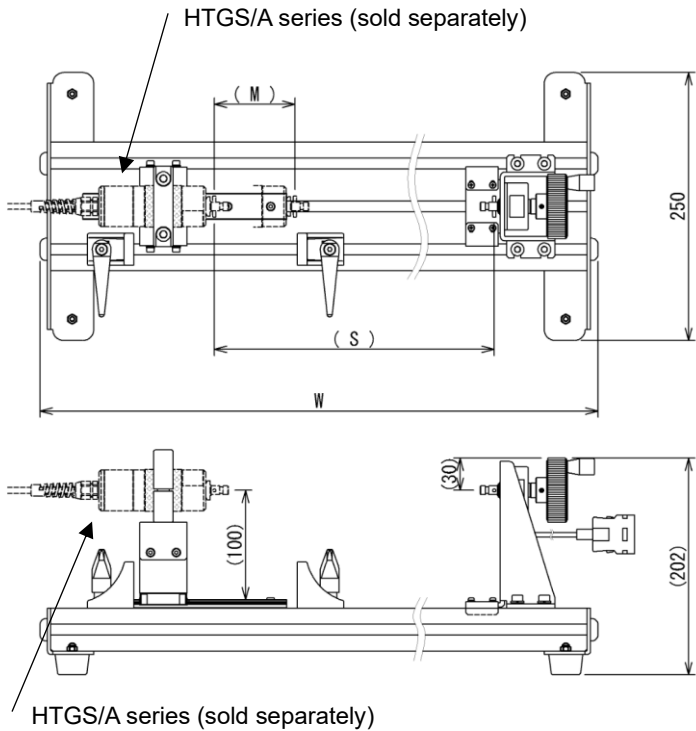
RSH-5N/RSH-5N-EXT/RSH-5N-EXT2 (Standard type)



	W	S	M
RSH-5N	520	290	105
RSH-5N-EXT	620	390	
RSH-5N-EXT2	720	490	

Unit: mm

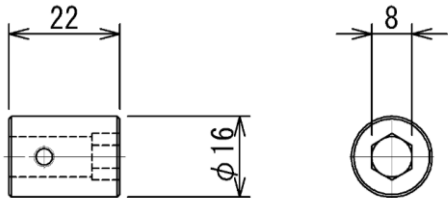
RSH-5N-RA/RSH-5N-RA-EXT/RSH-5N-RA-EXT2 (With angle-meter)



	W	S	M
RSH-5N-RA	520	290	105
RSH-5N-RA-EXT	620	390	
RSH-5N-RA-EXT2	720	490	

Unit: mm

RSS-AD-ED



[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 torque gauge (sold separately) is required to use this product.
- Do not apply torque more than its capacity or from incorrect direction to the sensor.
- Do not use this product in the environments including fierce temperature changes, high temperature, high humidity, near water, dusty place.

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