



# S-LINE RUN-OUT GAUGE SYSTEM

Made in Japan.

Concentricity measurement by mounting your current indicator to this system.



HOW TO MOVE

Measuring instruments ▶  
Electronic Micrometer Probe/ Display  
P218  
~219

Measuring instruments ▶  
Dial Gauge  
P240  
~245

Measuring instruments ▶  
Test Indicator P242 ·  
P248  
~249

For multiple measurement ▶  
Magnetic Base  
P266  
~274

With aluminum carrying case



ROG-223SS



ROG-351LS



ROG-101S



※ Custom precision roller for under  $\phi 4$  workpiece

COMPARATOR

GRANITE PRODUCTS

CAST IRON SURFACE PLATE

PARALLEL BLOCK

V BLOCK

SQUARE

STRAIGHT EDGE

PARALLEL CLAMP

### Base type (3 kinds)

**Short base**  
Compact type

(mm) 236 98

**Long base**  
Allows simultaneous multiple measurements using magnetic base mounted gauges

(mm) 350 98

**Clamp base**  
Can be mounted on stage of large measuring instruments

(mm) 101 60 98 10

### Roller type (2 kinds)

**Slit Roller**  
Roller with slit. Ideal for measuring flanged workpiece.

3 12 4 6 (mm)

**Flat Roller**  
Plain roller type. Ideal for a measuring round bar.

31 (mm)

### Carrier type (3 kinds)

**Basic type (no carrier)**  
Magnetic base can be mounted on the base

**Shaft Carrier**  
Shaft slide carrier can be positioned along length of workpiece

**Linear Carrier**  
Linear slide carrier provides smooth movement for accurate positioning

#### USE

- Concentricity measurement by mounting your current indicator to this system

#### FEATURES

- Three base types, Two roller types, and instrument available in three options, for a total of 14 available configurations
- Up to 2 $\mu$  accuracy. Offers a high level of measurement precision.
- Smooth measurement with grip handle and timing belt & pulley operation system
- Carrier angle fine adjustment for easy zero point setting of the measuring instruments.  
Free movement in Z-direction provides an ideal measurement position.
- Equipped with work retainer for holding front and rear of workpiece and to enable measurement of axial run-out

#### MATERIAL

- Base: Carbon steel
- Roller: Tool steel

#### SPECIFICATIONS

- Accuracy: within 2-3.5 $\mu$ m  
※ 2 $\mu$ m=when measuring  $\phi$ 20mm workpiece
- Provided with aluminum carrying case

#### MEASURING CONDITIONS

- OD of workpiece:  $\phi$ 4-30mm (precision roller for measurements under  $\phi$ 4 workpiece is also available on request)
- Length of workpiece: 5-80mm
- Shape of workpiece: Cylindrical
- Reference portion of the workpiece must have enough length to clamp to roller  
※ Measurement error increases at with increasing distance from rollers

Order No.	Model No.	Base type	Roller type	Carrier type	Weight
010201	ROG-221S	Short base	Slit Roller	Basic type (no carrier)	3.6kg
010202	ROG-221SS			Shaft Carrier	4.0kg
010203	ROG-221LS			Linear Carrier	4.3kg
010204	ROG-223S		Flat Roller	Basic type (no carrier)	3.7kg
010205	ROG-223SS			Shaft Carrier	4.1kg
010206	ROG-223LS			Linear Carrier	4.4kg
010207	ROG-351S	Long base	Slit Roller	Basic type (no carrier)	4.6kg
010208	ROG-351SS			Shaft Carrier	5.0kg
010209	ROG-351LS			Linear Carrier	5.3kg
010210	ROG-353S		Flat Roller	Basic type (no carrier)	4.7kg
010211	ROG-353SS			Shaft Carrier	5.1kg
010212	ROG-353LS			Linear Carrier	5.4kg
010213	ROG-101S	Clamp base	Slit Roller	2.5kg	
010214	ROG-103S		Flat Roller	2.6kg	

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## S-LINE RUN-OUT GAUGE SYSTEM FOR LONG OBJECTS **NEW!**

Capable of measuring up to 300mm length work.  
 Concentricity measurement by mounting your current indicator or electronic micrometer to this gaging system.



Measuring instruments ▶ Electronic Micrometer Probe/ Display	P218 ~219
Measuring instruments ▶ Dial Gauge	P240 ~245
Measuring instruments ▶ Test Indicator	P242 • P248 ~249
For multiple measurement ▶ Magnetic Base	P266 ~274

### USE

- Concentricity measurement by mounting your current indicator or electronic micrometer to this gaging system

### MATERIAL

- Base: Aluminum, Carbon steel ● Roller: Tool steel

### FEATURES

- Capable of measuring up to 300mm length work
- Up to 4μm accuracy. Offers a high level of measurement precision.
- Smooth measurement with grip handle and timing belt & pulley operation system
- Equipped with work retainer for holding front and rear of workpiece and to enable measurement, of axial run-out

### SPECIFICATIONS

- Accuracy: within 4μm ● Provided with aluminum carrying case

### MEASURING CONDITIONS

- OD of workpiece: φ4~30mm
- Length of workpiece: 5~300mm
- Shape of workpiece: Cylindrical
- Reference portion of the workpiece must have enough length to clamp to roller

※ Measurement error increases at with increasing distance from rollers

※ Please refer to Pxxx to see parts configuration.

Order No.	Model No.	Base size (mm)	Roller type*	Carrier type*	Weight
<b>NEW!</b> 010215	ROG-581S	580 × 190	Slit Roller	Basic type (no carrier)	13kg

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## S-LINE RUN-OUT GAUGE SYSTEM FOR LARGE DIAMETER **NEW!**

Capable of measuring up to φ 110mm of work OD.  
 Concentricity measurement by mounting your current indicator or electronic micrometer to this gaging system.



Measuring instruments ▶ Electronic Micrometer Probe/ Display	P218 ~219
Measuring instruments ▶ Dial Gauge	P240 ~245
Measuring instruments ▶ Test Indicator	P242 • P248 ~249
For multiple measurement ▶ Magnetic Base	P266 ~274

### USE

- Concentricity measurement by mounting your current indicator or electronic micrometer to this gaging system

### MATERIAL

- Base: Aluminum, Carbon steel ● Roller: Tool steel

### FEATURES

- Capable of measuring up to φ110 of work OD
- Up to 4μm accuracy. Offers a high level of measurement precision.
- Smooth measurement with grip handle and timing belt & pulley operation system
- Equipped with work retainer for holding front and rear of workpiece and to enable measurement of axial run-out

### SPECIFICATIONS

- Accuracy: within 4μm ● Provided with aluminum carrying case

### MEASURING CONDITIONS

- OD of workpiece: φ10~110mm
- Length of workpiece: 5~80mm
- Shape of workpiece: Cylindrical
- Reference portion of the workpiece must have enough length to clamp to roller

※ Measurement error increases at with increasing distance from rollers

※ Please refer to Pxxx to see parts configuration.

Order No.	Model No.	Base size (mm)	Roller type*	Carrier type*	Weight
<b>NEW!</b> 010216	ROG-307S	300 × 160	Flat Roller	Basic type (no carrier)	13kg

# RUN-OUT GAUGE SYSTEM P-TYPE

Made in Japan.

Concentricity measurement on granite surface plate or work table by mounting your indicator to this unit.

Measuring instruments ▶  
Dial Gauge  
P240  
~245

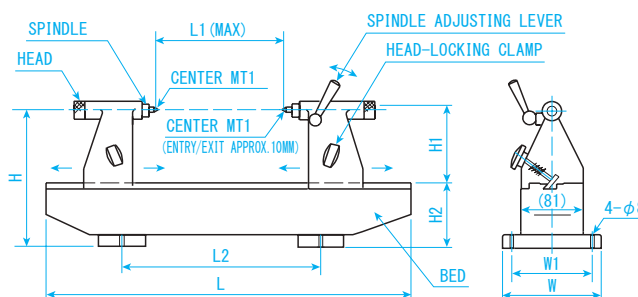
Measuring instruments ▶  
Test Indicator P242 •  
P248  
~249



BCPG-380J (P-1)



## ● DIMENSIONS



Units: mm

Model No.	L	H	L1	L2	H1	H2	W	W1
BCPG-380J	380	175	150	200	110	65	120	100
BCPG-420J	420	182	200	240		72		
BCPG-530J	530	200	300	280		90		

## USE

- For eccentricity check of cylindrical work piece and cutting tool

## MATERIAL

- Main body: FC250 ● Other: Machine grade carbon steel

## FEATURES

- Concentricity measurement on granite surface plate or work table by mounting your indicator to this unit
- Distance between the center and head is short for convenience when measuring cutting tool
- Dedicated stand included
- ※ Dial gauge or test indicator is not included

## SPECIFICATIONS

- Parallelism between upper surface of the bed and center: within 5μm
- Flatness of the surface of the bed: within 5μm
- Parallelism of side surface of center: 10μm
- Spindle ravel distance: approx. 10mm

Order No.	Model No.	Center Distance L1 (mm)	Weight
010221	BCPG-380J (P-1)	150	14kg
010222	BCPG-420J (P-2)	200	16kg
010223	BCPG-530J (P-3)	300	20kg

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