

SECTION

# 8

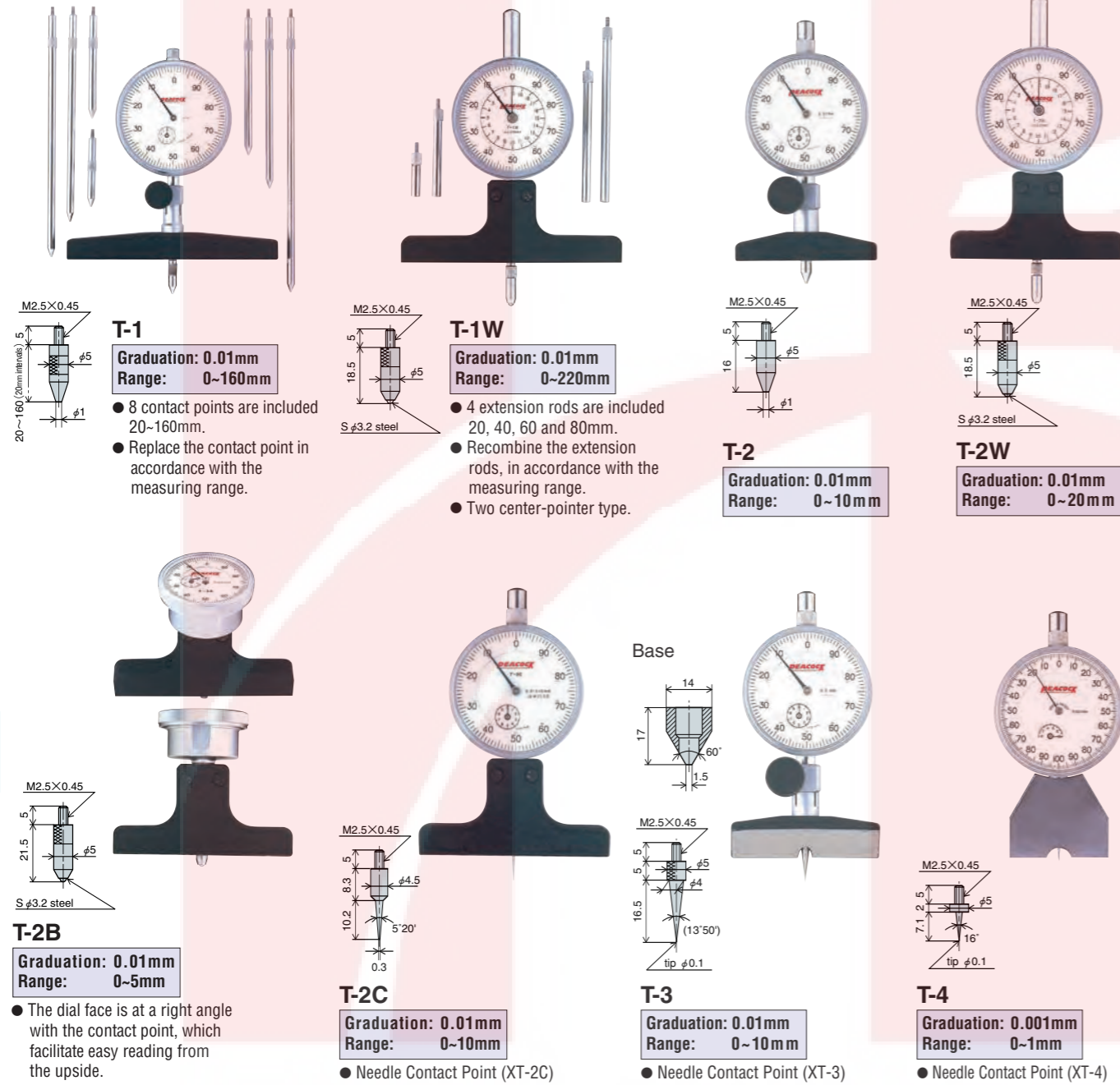


## Applied Dial Gauges

- Dial Depth Gauges
- Dial Inside Gauges
- Dial Hole Gauge
- Applied Contact Points
- Bench Center

# Dial Depth Gauges

**8** It measure a depth from top bottom of bottomed holes, a depth of narrow grooves, a value of step height of stepped surfaces and a depth of types engraved in matrices.  
The dial gauge furnished offers a correct measured value since it can measure an object under measurement with a given measuring force.



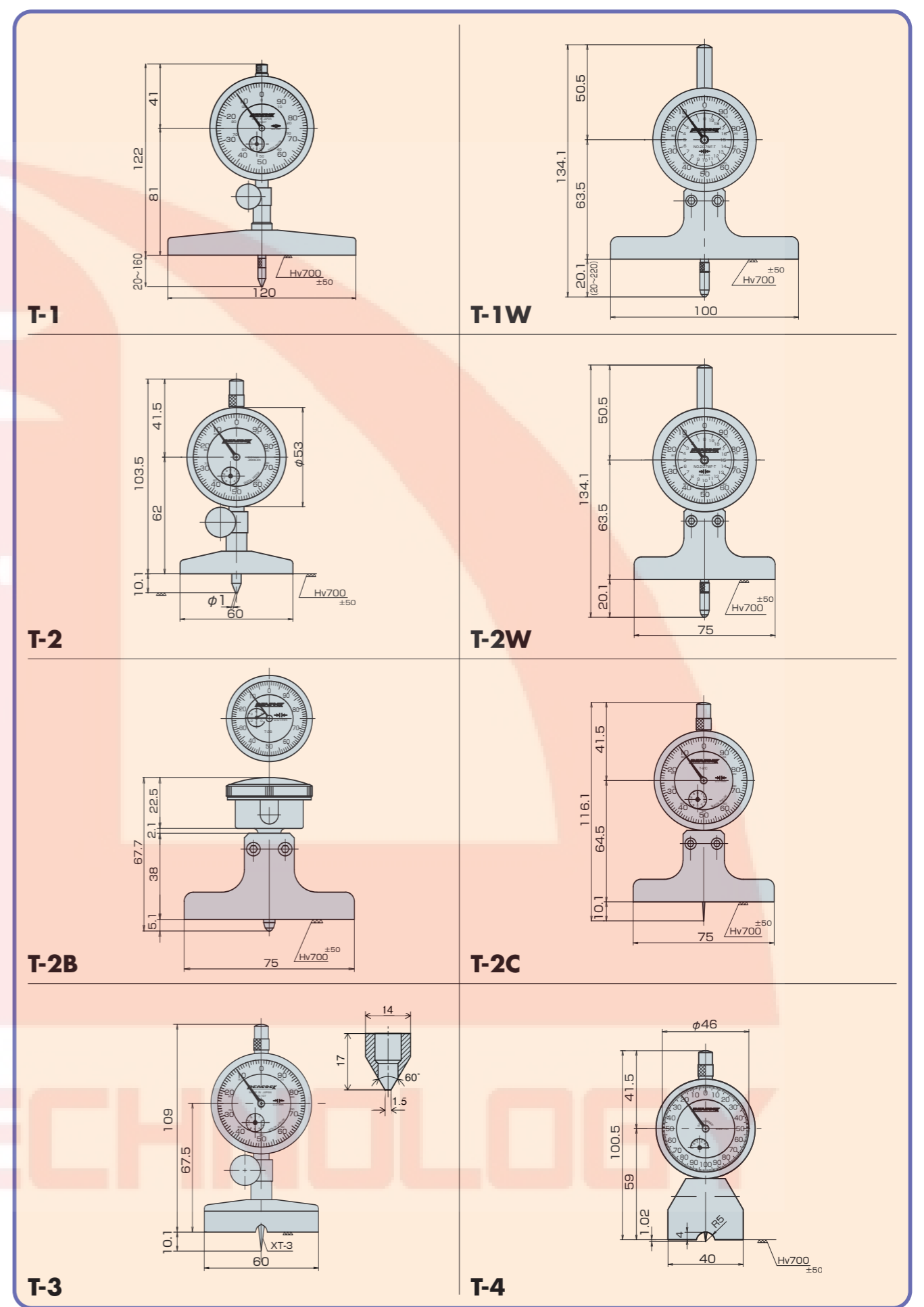
## Specifications

Model	Range (mm)	Accuracy (μm)	Dial Gauge				Base	
			Gauge installed	Graduation (mm)	Range (mm)	Measuring force less than (N)	Length (mm)	Width (mm)
T-1	0~160	±20	207F-T	0.01	20	2.0	120	14
T-1W	0~220	±20	207WF-T	0.01	20	2.0	100	11
T-2	0~10	±15	107F-T	0.01	10	1.4	60	14
T-2W	0~20	±20	207WF-T	0.01	20	2.0	75	11
T-2B	0~5	±20	196B-T	0.01	5	1.4	75	11
T-2C	0~10	±15	107F-T	0.01	10	1.4	75	11
T-3	0~10	±15	107F-T	0.01	10	1.4	60	Shown in above figure
T-4	0~1	±5	※5F	0.001	1	1.5	40	10

※ 5F with Reversed Inner Dial

※ Base is hardened and polished.

## Outer Dimensions



# Dial Depth Gauge

## Round Base type



- Base Outer dia.  $\phi$  25.0
- Needle Contact Point dia.  $\phi$  2.0

**T-6A**  
Graduation: 0.01mm  
Range: 0~10mm



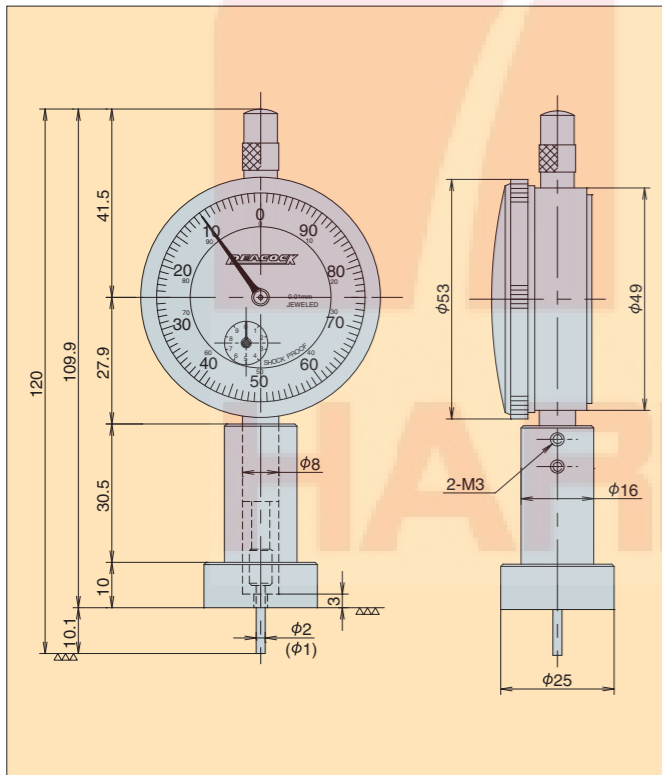
- Base Outer dia.  $\phi$  25.0
- Needle Contact Point dia.  $\phi$  1.0

**T-6B**  
Graduation: 0.01mm  
Range: 0~10mm

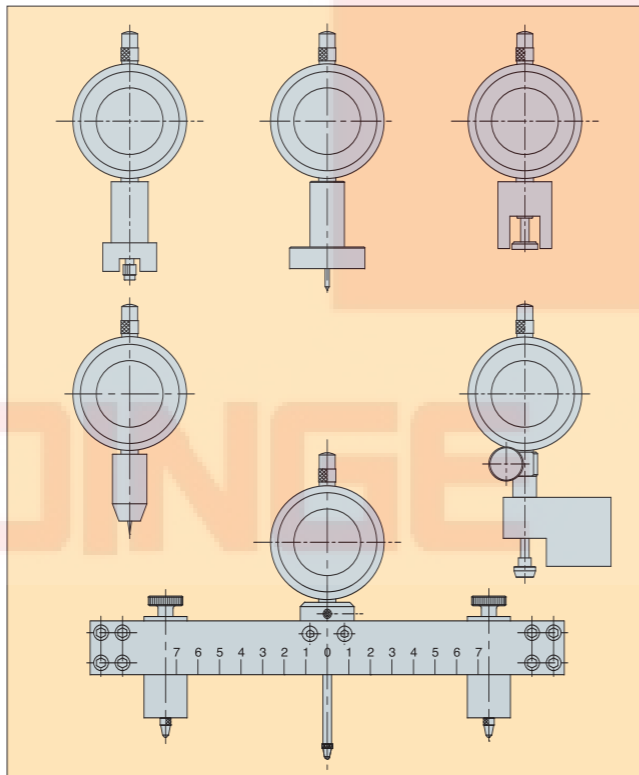
## Specifications

Model	Range (mm)	Accuracy ( $\mu$ m)	Dial Gauge				Base	
			Gauge installed	Graduation (mm)	Range (mm)	Measuring force less than (N)	Length (mm)	Width (mm)
T-6A	0~10	$\pm$ 15	107F-T	0.01	10	1.4	—	—
T-6B	0~10	$\pm$ 15	107F-T	0.01	10	1.4	—	—

## Dimensions (※ ( ) are T-6B)

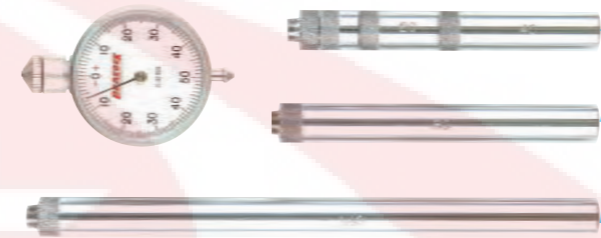


## Custom order available



# Dial Inside Gauge

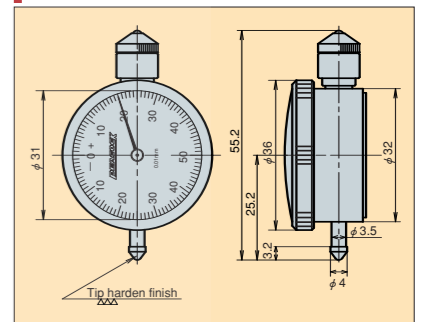
- Capable of continuously measuring comparatively large bores or inside wall surface with a given measuring force using flexibility of the dial gauge.



- Extension rods 6pcs. (5, 10, 20, 40, 80, 140mm)
- Replace the extension rods according to a measuring range.

**U-1**  
Graduation: 0.01mm  
Range: 50~350mm  
(Measuring range of dial gauge: 5mm)

## Outer dimension



## With Magnetic Base

The gauge proper can be secured to the measuring position by the magnet base.



**U2HA**  
Graduation: 0.01mm  
Range: 66~80mm  
(Measuring range of dial gauge: 4mm)



**U2HB**  
Graduation: 0.01mm  
Range: 80~92mm  
(Measuring range of dial gauge: 4mm)

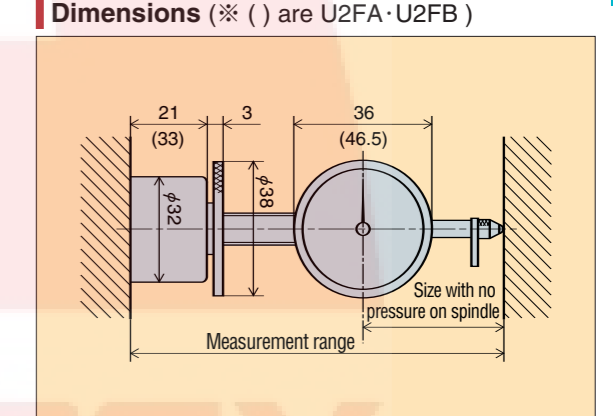
**U2FA**  
Graduation: 0.01mm  
Range: 92~110mm  
(Measuring range of dial gauge: 5mm)

**U2FB**  
Graduation: 0.01mm  
Range: 110~120mm  
(Measuring range of dial gauge: 5mm)



**U3HA**  
Graduation: 0.01mm  
Range: 66~80mm  
(Measuring range of dial gauge: 4mm)

- with shorter pointer



**U3HB**  
Graduation: 0.01mm  
Range: 80~92mm  
(Measuring range of dial gauge: 4mm)

- with shorter pointer

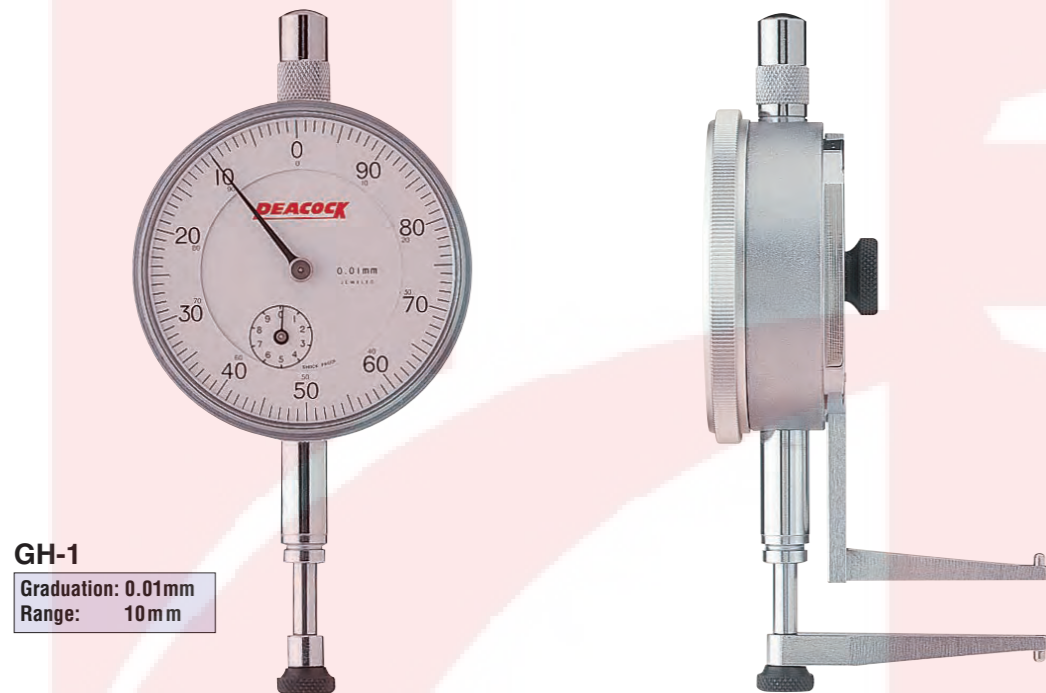
## Specifications

Model	Graduation (mm)	Range (mm)	Reading	Indication error					Magnetic Power (kg)	Measuring force less than (N)
				1/10 revolution (Adjacent error)	1/2 revolution	1 revolution	2 revolutions	Whole measuring range		
U-1	0.01	50~350	0 - 50 - 0	9	—	$\pm$ 13	—	$\pm$ 20	—	2.0
U2HA	0.01	66~80	0 - 50 - 0	9	—	$\pm$ 13	—	$\pm$ 15	8~10kg	1.4
U2HB	0.01	80~92	0 - 50 - 0	9	—	$\pm$ 13	—	$\pm$ 15		1.4
U2FA	0.01	92~110	0 - 50 - 0	9	—	$\pm$ 13	—	$\pm$ 20		2.0
U2FB	0.01	110~120	0 - 50 - 0	9	—	$\pm$ 13	—	$\pm$ 20		2.0
U3HA	0.01	66~80	0 - 50 - 0	9	—	$\pm$ 13	—	$\pm$ 20	—	1.4
U3HB	0.01	80~92	0 - 50 - 0	9	—	$\pm$ 13	—	$\pm$ 20	—	1.4

# Dial Hole Gauge

The Dial Hole Gauge is used for measurement of a bore diameter or groove width.

- Adjustable upper frame may be changed as desired, thus securing a wide measuring range.
- The contact point has an outer dia of 2 mm and a height of 2 mm. (R 1mm ball, M1.7 x 0.35mm.)

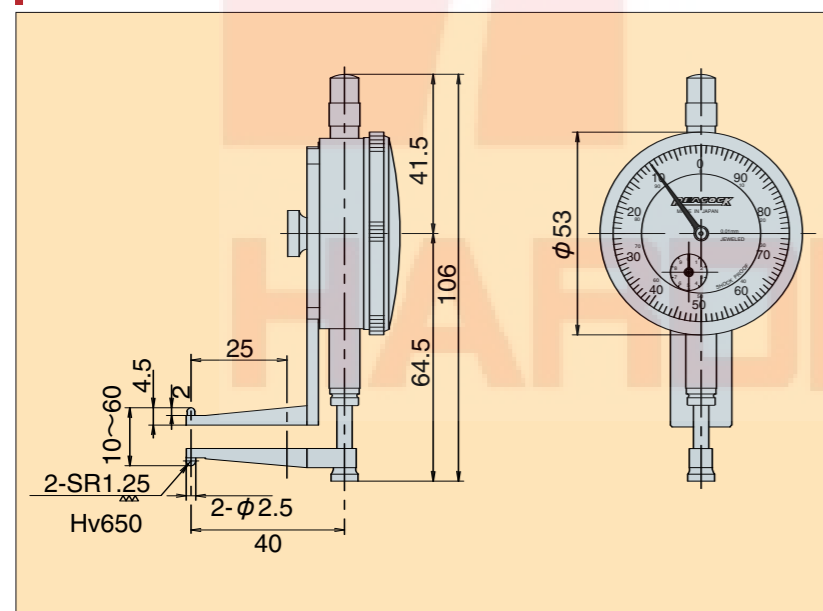


**GH-1**  
Graduation: 0.01mm  
Range: 10mm

## Specifications

Model	Dial Gauge					Measurable bore ID (mm)	Measurable depth less than (mm)
	Graduation (mm)	Range (mm)	Accuracy (μm)	Reading	Measuring force less than (N)		
GH-1	0.01	10	±20	±100-50-0	1.4	10~50	25

## Dimensions

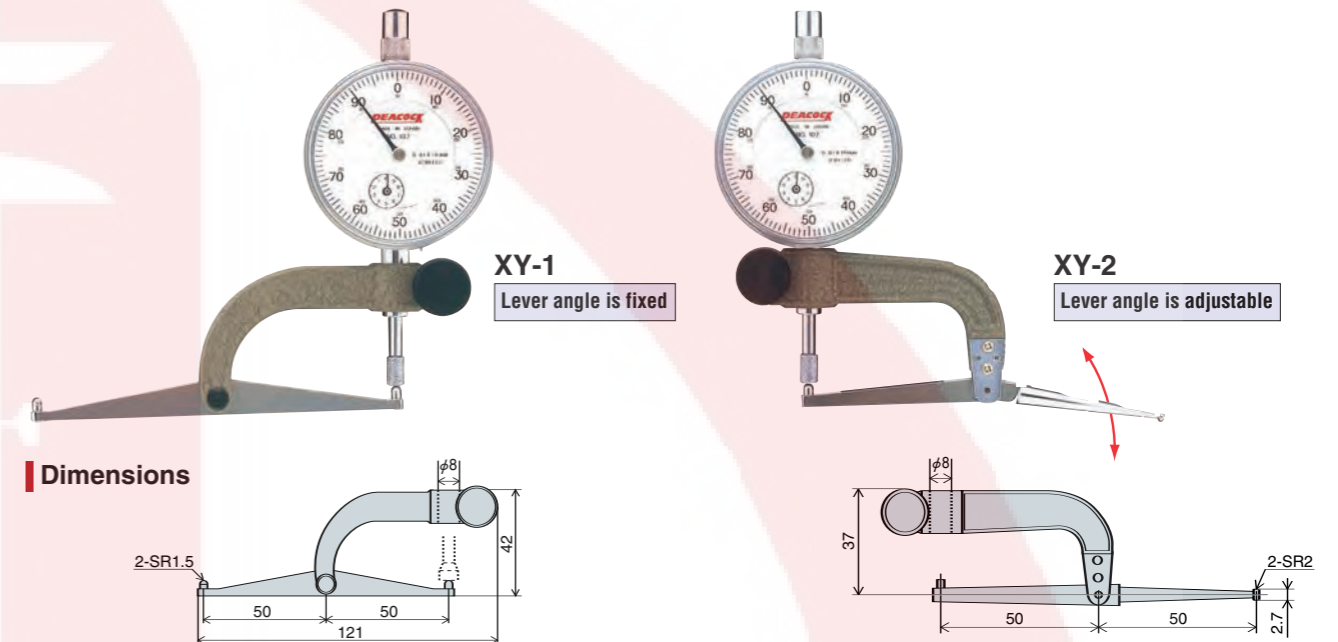


# Applied Contact Points

## Lever type Contact Points

Dial Gauges supplied on request (Recommend a Dial Gauge with Lug Back and install it to a Magnet Stand.)

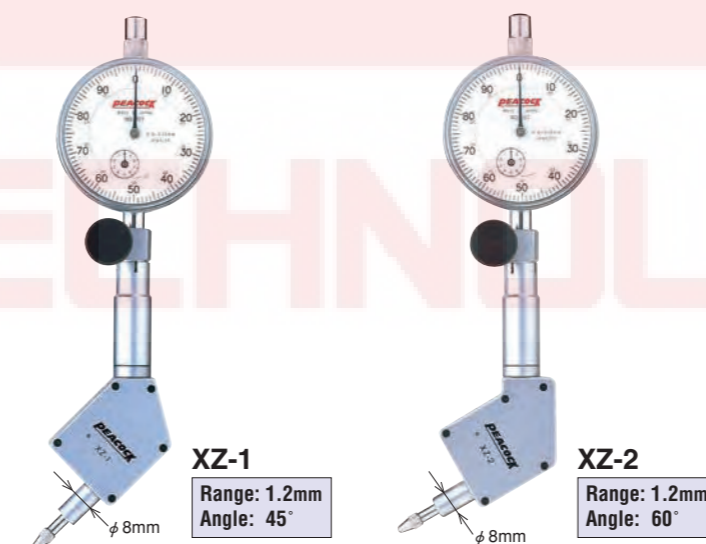
- This instrument have a 50mm length of lever and used to measure depth of holes. The flat contact point (XS-2) is installed to the dial gauge to hold the back when used.



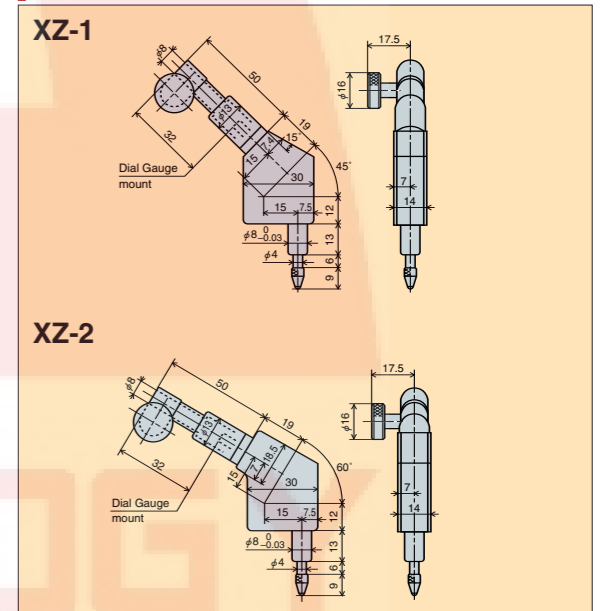
## Angle Contact Points

Dial Gauges supplied on request (Recommend a Dial Gauge with Flat Back due to light weight.)

- The contact point is tilted in its moving direction by the cam, and it includes two types; tilted to 45° and 60°. The contact point is convenient for measurement on locations where it is impossible to straightforwardly install the dial gauge and to use it for a jig. Hold the φ8 stem when used.



## Exterior dimensions



## Specifications

Model	Angle	Range (mm)	Moving distance (mm)	Measuring force less than (N)
XZ-1	45°	1.2	5	1.4
XZ-2	60°	1.2	5	1.4

● Angle 90° is available on request.