SECTION

8

Applied Dial Gauges

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

Dial Depth Gauges

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.

T-1

Graduation: 0.01mm
Range: 0~160mm

- 8 contact points are included 20~160mm.
- Replace the contact point in accordance with the measuring range.

T-1W

Graduation: 0.01mm
Range: 0~220mm

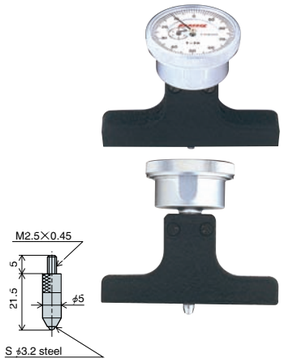
- 4 extension rods are included 20, 40, 60 and 80mm.
- Recombine the extension rods, in accordance with the measuring range.
- Two center-pointer type.

T-2

Graduation: 0.01mm
Range: 0~10mm

T-2W

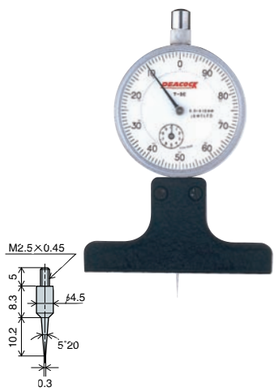
Graduation: 0.01mm
Range: 0~20mm



T-2B

Graduation: 0.01mm
Range: 0~5mm

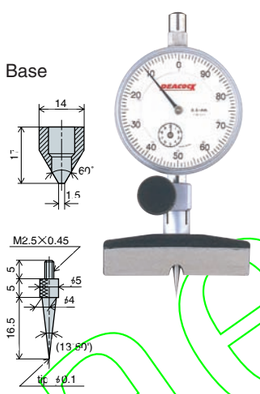
- The dial face is at a right angle with the contact point, which facilitate easy reading from the upside.



T-2C

Graduation: 0.01mm
Range: 0~10mm

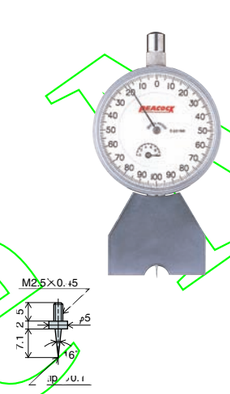
- Needle Contact Point (XT-2C)



T-3

Graduation: 0.01mm
Range: 0~10mm

- Needle Contact Point (XT-3)



T-4

Graduation: 0.001mm
Range: 0~1mm

- Needle Contact Point (XT-4)

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.

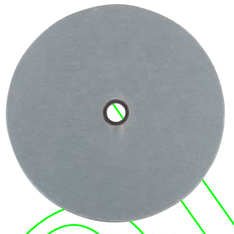
Dial Depth Gauge

Round Base type

New

T-6A

Graduation: 0.01mm
Range: 0~10mm

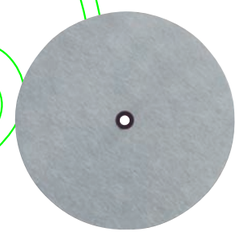


- Base Outer dia. ϕ25.0
- Needle Contact Point dia. ϕ2.0

New

T-6B

Graduation: 0.01mm
Range: 0~10mm

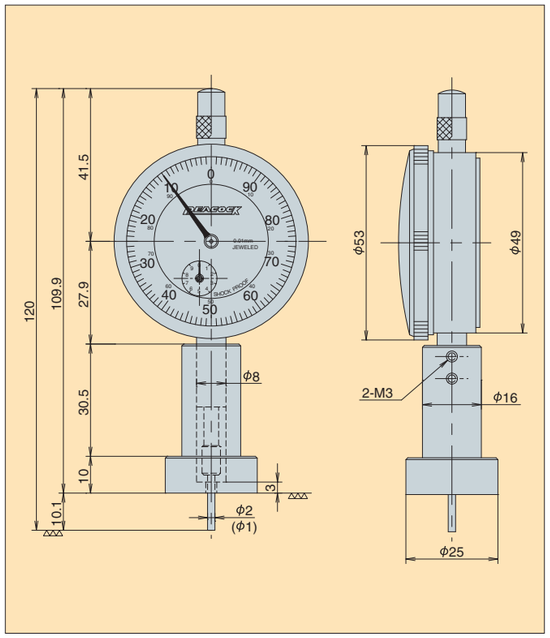


- Base Outer dia. ϕ25.0
- Needle Contact Point dia. ϕ1.0

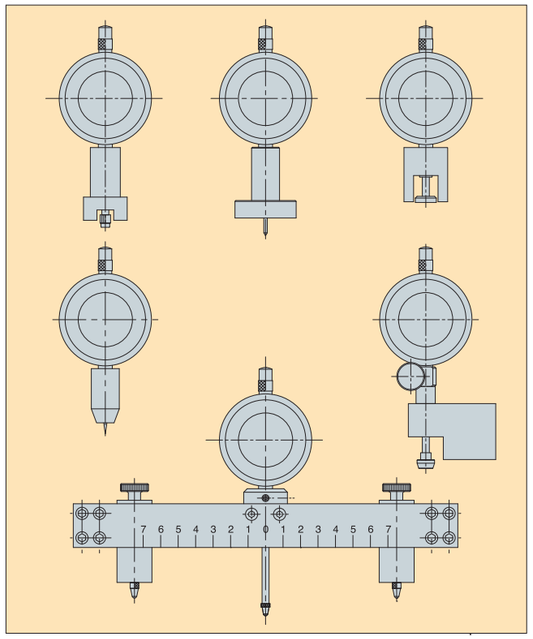
Specifications

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

Dimensions (※ ( ) are T-6B)



Custom order available



T1-205

Graduation: 0.001mm
Range: 20mm

T1-257

Graduation: 0.01mm
Range: 20mm

T2-127

Graduation: 0.01mm
Range: 10mm

T2-205W

Graduation: 0.001mm
Range: 20mm

T2-257W

Graduation: 0.01mm
Range: 20mm

● Contact Point (XS-315)

T3-127

Graduation: 0.01mm
Range: 10mm

● Contact Point (XT-3)

T5-127

Graduation: 0.01mm
Range: 10mm

● Contact Point (XT-4)

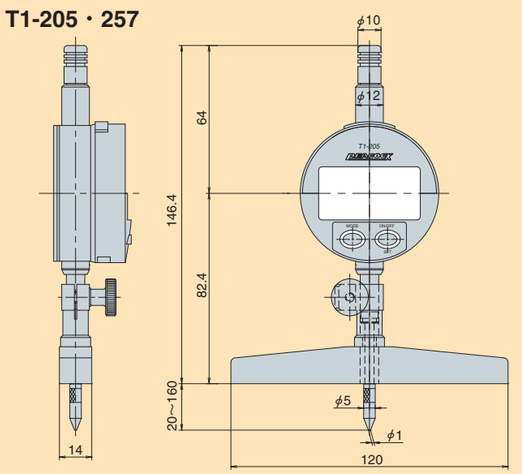
T6-127

Graduation: 0.01mm
Range: 10mm

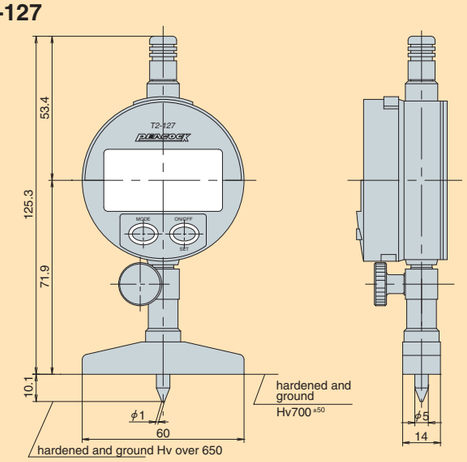
Specifications

Model	Graduation (mm)	Accuracy (mm) (excluding quantized error)	Gauge installed	Range (mm)	Base flatness (mm)	Option
T1-205	0.001	±0.004	DG-205	20	0.005	7 contact points 40-160mm (20mm intervals)
T1-257	0.01	±0.02	DG-257	20	0.005	
T1-127	0.01	±0.02	DG-127	10	0.005	—
T2-205W	0.001	±0.004	DG-205	20	0.005	—
T2-257W	0.01	±0.02	DG-257	20	0.005	—
T3-127	0.01	±0.02	DG-127	10	0.005	—
T5-127	0.01	±0.02	DG-127	10	0.005	—
T6-127	0.01	±0.02	DG-127	10	0.005	—

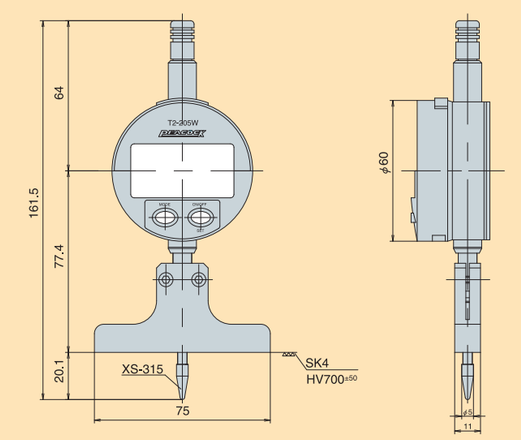
T1-205 · 257



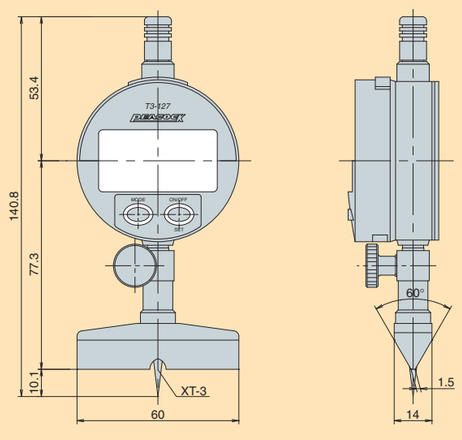
T2-127



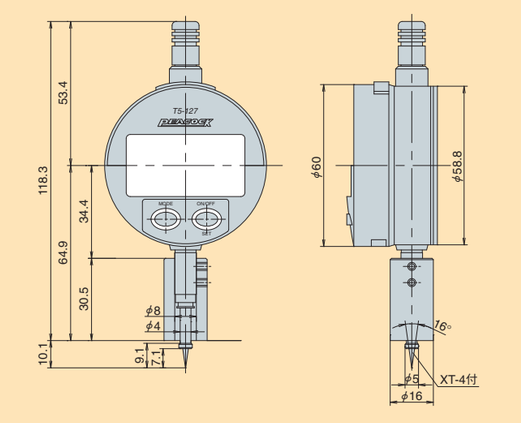
T2-205W · 257W



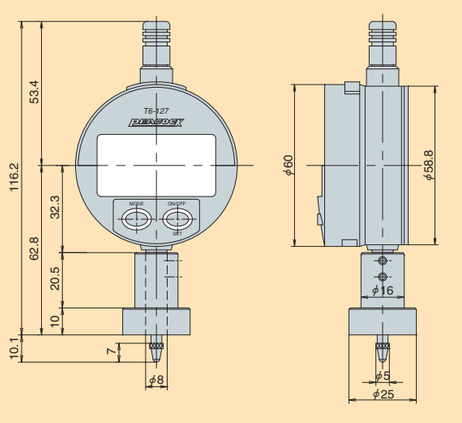
T3-127



T5-127

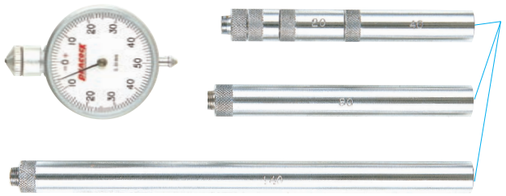


T6-127



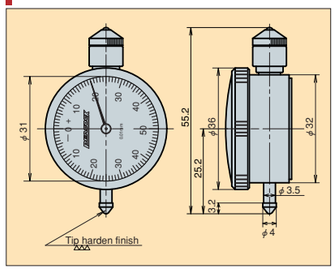
Dial Inside Gauge

● 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.

Outer dimension

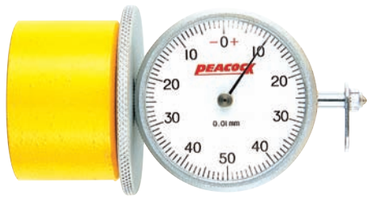


U-1

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

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)

New **U3HA**

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

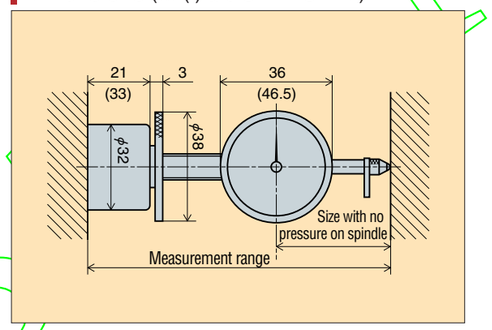
● with shorter pointer

New **U3HB**

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

● with shorter pointer

Dimensions (※ ( ) are U2FA·U2FB)



Specifications

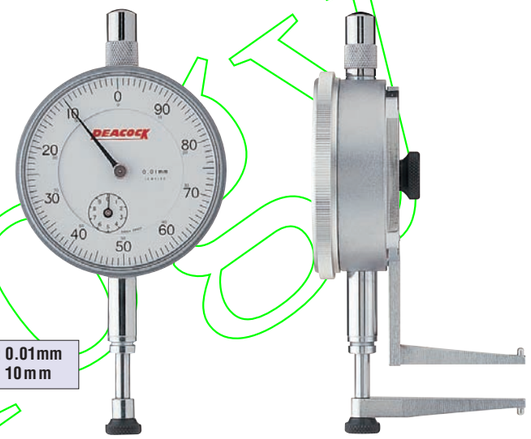
(unit: μm)

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	—	±13	—	±20	—	2.0
U2HA	0.01	66～80	0 - 50 - 0	9	—	±13	—	±15	8～10kg	1.4
U2HB	0.01	80～92	0 - 50 - 0	9	—	±13	—	±15		1.4
U2FA	0.01	92～110	0 - 50 - 0	9	—	±13	—	±20		2.0
U2FB	0.01	110～120	0 - 50 - 0	9	—	±13	—	±20		2.0
New **U3HA**	0.01	66～80	0 - 50 - 0	9	—	±13	—	±20		1.4
New **U3HB**	0.01	80～92	0 - 50 - 0	9	—	±13	—	±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.)



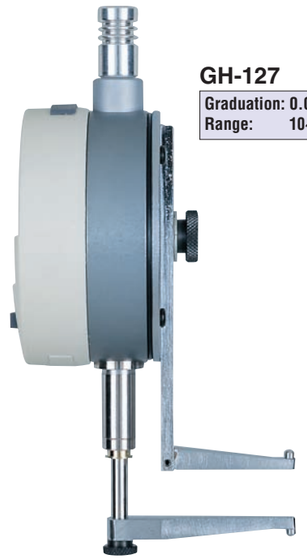
GH-1

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

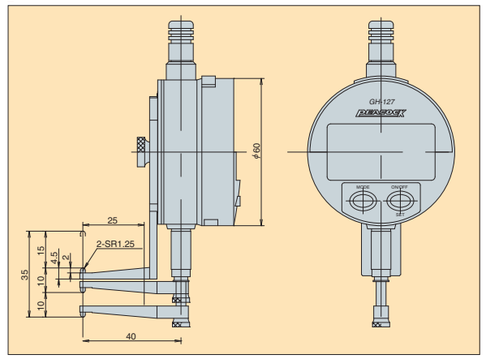
Digital Hole Gauge



GH-127

Graduation: 0.01mm
Range: 10~35mm

Dimensions



Specifications

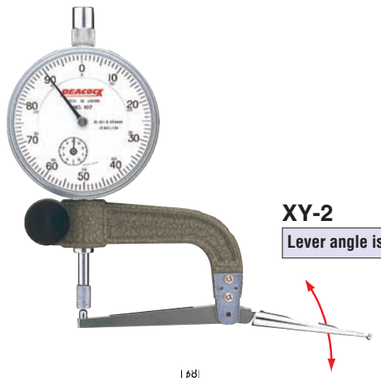
Model	Graduation (mm)	Accuracy (excluding quantized error)	Gauge installed	Range (mm)	Measurable bore ID (mm)	Measuring force	Measurable depth less than (mm)
GH-127	0.01	±0.02	DG-127	10-35	10-35	Less than 0.95N	25

Lever type Contact Points

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

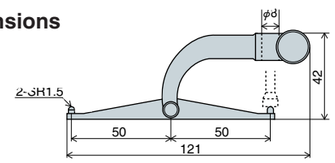
- This instrument have a 50mm length of lever and used to measure depth of holes.
  The flat contact point (XS-2) is installed to the dial gauge to hold the back when used.

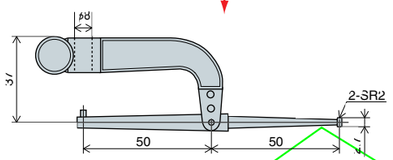
XY-1
Lever angle is fixed



XY-2
Lever angle is adjustable

Dimensions





Angle Contact Points

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

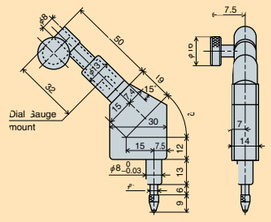
- The contact point is tilted in its moving direction by the cam, and it includes two types; tilted to 45˚ and 60˚.
  The contact point is convenient for measurement on locations where it is impossible to straightforwardly install the dial gauge and to use it for a jig.
  Hold the ϕ8 stem when used.

XZ-1
Range: 1.2mm
Angle: 45˚

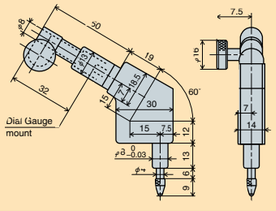
XZ-2
Range: 1.2mm
Angle: 60˚

Exterior dimensions

XZ-1



XZ-2



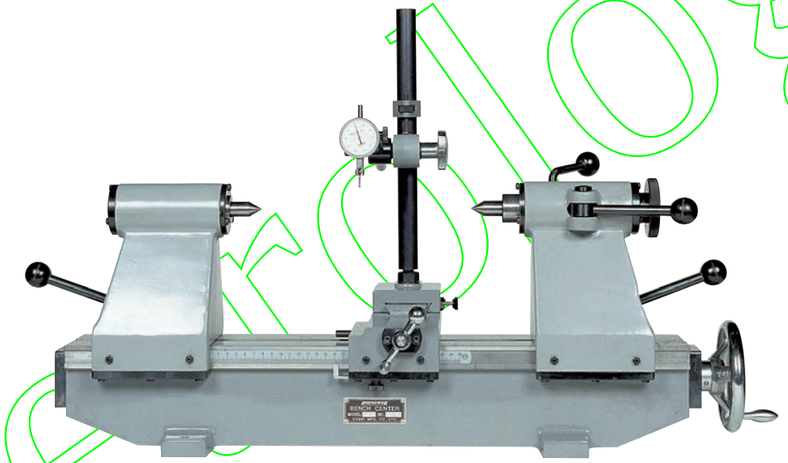
Specifications

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

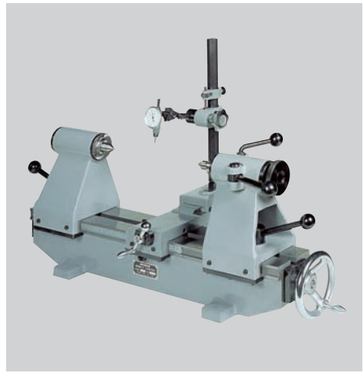
- Angle 90˚ is available on request.

Bench Center

High-accuracy eccentricity tester used to measure eccentricity of articles over a wide range of rotary cutting tools, arbors, crankshafts, gears, piston heads or grinding stones and to check circles for roundness. (dial gauges are not furnished)

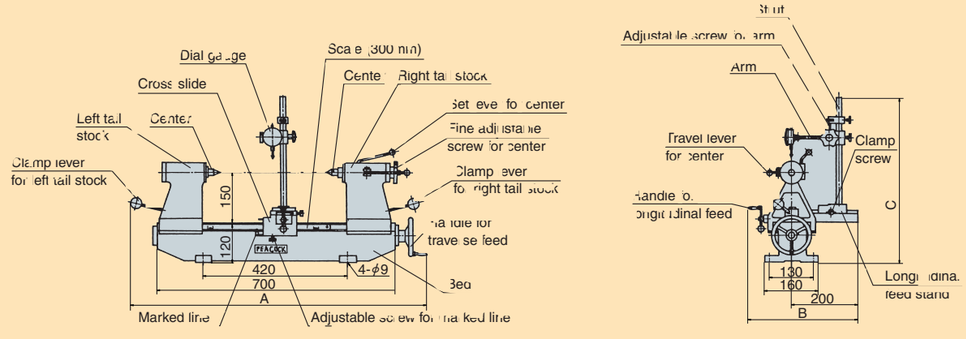


OA
Max. Center distance: 300mm



Dimensions (OA)

OA



Specifications

Model	Center distance (mm)	Max. work capacity dia. (mm)	Use center	Overall dimensions			Approx. weight (kg)	Feed gear	
				(A) mm	(B) mm	(C) mm		Right and left	Back and forth
OA	300	230	MT No. 2	Approx. 875	Approx. 335	500	51	Screw feed	Screw feed

OVER LOAD GAUGE for TIRE CURING MACHINE

For passenger vehicle tires and those for truck and bus tires
(Made to order)

We, "PEACOCK" make OVER LOAD GAUGES for TIRE CURING MACHINES that applied our Dial Gauge.

Example pictures of Over Load Gauge for TIRE CURING MACHINE

0-300TON
with Back Plate & Dust Proof Rubber
(Spec. Pointer 1 rotation: 0.5mm)

0-1000TON
with Dust Proof Rubber
(Spec. Pointer 1 rotation: 0.5mm)

1. For making the Dial Plate, please let us know the angle for range of graduation to meet with the Tightening force (TON) .

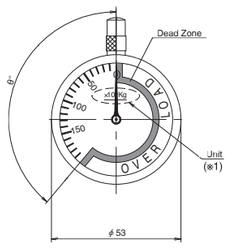
*see diagram as under. Example Spec. Pointer 1 rotation: 1mm

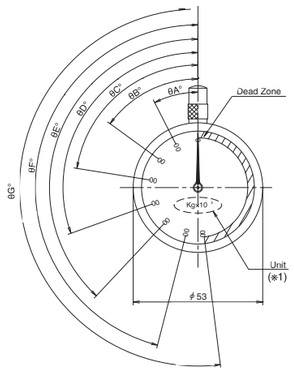
① Dial Plate

ⓐ Angle divide equally

Q1 Number of divide
Q2. Angle and number
Q3. Unit(※1) x10^3 kg or TON

ⓑ Angle divide not equally





	Angle ex)12.3°	Dial Numeral ix)0-100
θA°		
θB°		
θC°		
θD°		
θE°		
θF°		
θG°		

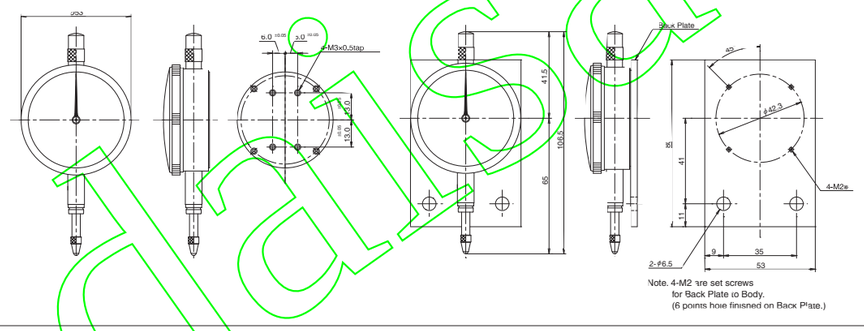
*Please let us know pointer 1 rotation 0.5mm or 1mm.

2. We provide the Over Load Gauge with Back Plate to meet with your Tire Curing Machine.
Dust Proof Rubber can be installed to the Spindle of Over Load Gauge.

② Backs

ⓐ Flat Back

ⓑ with Back Plate



Note. 4-M2 are set screws
for Back Plate to Body.
(6 points hole finished on Back Plate.)

Please contact your local "PEACOCK" distributor for your further inquiry or write to us at:

peacock-tokyo@peacockozaki.jp