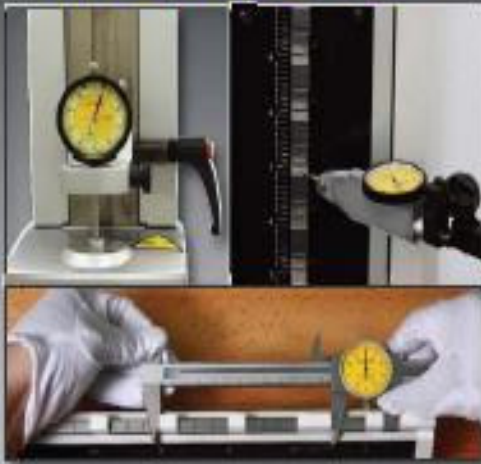


# ASIMETO.



ASIMETO (GUANGZHOU) INC is a precision tool subsidiary of Sowa Company, which was founded in 1960 by Mr. Gerhard Sowa Sr. in Kitchener, Ontario, Canada.

The company focuses on three product lines, SOWA cutting tools, GS CNC tooling and ASIMETO measuring tools.

Quality and Service is our commitment to our worldwide customers.

ASIMETO (GUANGZHOU) INC is fully equipped by German and Canadian latest technology in metrology. We offer 100% calibrated tools and provide unprecedented value added content (VALUE+) with the belief that providing reliable products and added value to our customers. ASIMETO is committed to new technology and improvements.

More value to the customers, our employees stand by this principle.



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## AMS

Advance Machine Systems

[www.amsarg.com.ar](http://www.amsarg.com.ar)

Representante Exclusivo



### Digital Outside Micrometers



105-01-3

Ratchet Stop

Friction Thimble

#### Features:

- Resolution: .00005", 0.001mm.
- Flatness: 0.3mm/0.00012".
- Carbide tipped measuring faces.
- Automatic On/Off to maximize battery life.
- Inch/Metric conversion for digital models.
- Absolute or incremental measuring modes.

Code Initials	IP	International Protection
1st No.	6	Dust Protection
2nd No.	5	Water Jet Penetration Proof

#### Replacement Battery

Model	Code No.
SR44	599-76-8



Metric	Metric			
Code No.	Range	Accuracy	Thimble	Data Output
105-01-0	0-25mm	±0.004mm	Ratchet	w/o
105-02-0	25-50mm	±0.004mm	Ratchet	w/o
105-03-0	50-75mm	±0.005mm	Ratchet	w/o
105-04-0	75-100mm	±0.005mm	Ratchet	w/o
106-01-4	0-25mm	±0.004mm	Friction	w/o
106-02-4	25-50mm	±0.004mm	Friction	w/o
106-03-4	50-75mm	±0.005mm	Friction	w/o
106-04-4	75-100mm	±0.005mm	Friction	w/o
105-01-2	0-25mm	±0.004mm	Ratchet	with
105-02-2	25-50mm	±0.004mm	Ratchet	with
105-03-2	50-75mm	±0.005mm	Ratchet	with
105-04-2	75-100mm	±0.005mm	Ratchet	with

## Economy Digital Outside Micrometers

**Features:**

- Resolution: Inch .00005", Metric 0.001mm.
- Inch/Metric conversion.
- Carbide tipped measuring faces.
- Absolute and incremental measuring modes.
- Spindle lock.



Metric	Metric
Code No.	Range Accuracy
107-01-0	0-25mm ±0.004mm
107-02-0	25-50mm ±0.004mm
107-03-0	50-75mm ±0.005mm
107-04-0	75-100mm ±0.005mm
107-01-2	0-25mm ±0.004mm
107-02-2	25-50mm ±0.004mm
107-03-2	50-75mm ±0.005mm
107-04-2	75-100mm ±0.005mm



## Outside Micrometers

**Features:**

- Flatness: Inch .000024", Metric 0.6mm.
- Locking clamp.
- Carbide tipped measuring faces.
- With a standard rods except for 0-25mm/0-1" model.
- Ratchet stop or friction thimble for exact repetitive readings.



101-01-0

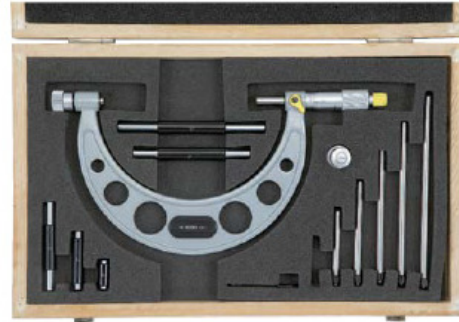
Metric	Graduation: 0.01mm
Range	Accuracy Code No.
<b>Ratchet Stop</b>	
0-25mm	±0.004mm 101-01-0
25-50mm	±0.004mm 101-02-0
50-75mm	±0.005mm 101-03-0
75-100mm	±0.005mm 101-04-0
100-125mm	±0.006mm 101-05-0
125-150mm	±0.006mm 101-06-0
150-175mm	±0.007mm 101-07-0
175-200mm	±0.007mm 101-08-0
200-225mm	±0.008mm 101-09-0
225-250mm	±0.008mm 101-10-0
250-275mm	±0.009mm 101-11-0
275-300mm	±0.009mm 101-12-0
<b>Friction Thimble</b>	
0-25mm	±0.004mm 102-01-4
25-50mm	±0.004mm 102-02-4
50-75mm	±0.005mm 102-03-4
75-100mm	±0.005mm 102-04-4

Metric	Graduation: 0.001mm
Range	Accuracy Code No.
<b>Ratchet Stop</b>	
0-25mm	±0.004mm 101-01-2
25-50mm	±0.004mm 101-02-2
50-75mm	±0.005mm 101-03-2
75-100mm	±0.005mm 101-04-2

## Interchangeable Anvil Outside Micrometers

### Features:

- Ratchet stop.
- Locking clamp.
- Carbide tipped measuring faces.
- Standard rods included.
- Inch/Metric conversion for digital models.



111-06-1

**Metric**

Graduation: 0.01mm

Range	Accuracy	Code No.
0-150mm	±0.006mm	111-06-0
150-300mm	±0.009mm	111-12-0
300-400mm	±0.011mm	111-16-0*
400-500mm	±0.013mm	111-20-0*
500-600mm	±0.015mm	111-24-0*
600-700mm	±0.016mm	111-28-0*
700-800mm	±0.018mm	111-32-0*
800-900mm	±0.020mm	111-36-0*
900-1000mm	±0.020mm	111-40-0*

\* Welded pipe frame

## Screw Thread Micrometers Set

### Features:

- Set of 6 Anvils (130-60-0) included.
- Inch/Metric conversion for digital models.



130-60-0



133-01-1

### Digital Models

- Resolution: Inch .00005", Metric 0.001mm

<b>Metric</b>	<b>Metric</b>		
Code No.	Range	Accuracy	Standard
137-01-0	0-25mm	±0.004mm	w/o
137-02-0	25-50mm	±0.004mm	with
137-03-0	50-75mm	±0.005mm	with
137-04-0	75-100mm	±0.005mm	with
137-05-0	100-125mm	±0.006mm	with
137-06-0	125-150mm	±0.006mm	with

**Mechanical Models**

<b>Metric</b>	Graduation: 0.01mm			
Range	Accuracy	Standard	Code No.	
0-25mm	±0.004mm	w/o	133-01-0	
25-50mm	±0.004mm	with	133-02-0	
50-75mm	±0.005mm	with	133-03-0	
75-100mm	±0.005mm	with	133-04-0	
100-125mm	±0.006mm	with	133-05-0	
125-150mm	±0.006mm	with	133-06-0	

**Anvils**

Threads Per Inch	Inch Pitch	Metric Pitch	Note	Code No.
64-3.5	.016 -.275"	0.4-7.0mm	6 pairs Set	130-60-0
64-48 (M1)	.016 -.019"	0.4-0.5mm	1 pair	130-61-0
44-28 (M2)	.024 -.035"	0.6-0.9mm	1 pair	130-62-0
24-14 (M3)	.040 -.068"	1.0-1.75mm	1 pair	130-63-0
13-9 (M4)	.079 -.118"	2.0-3.0mm	1 pair	130-64-0
8-5 (M5)	.138 -.196"	3.5-5.0mm	1 pair	130-65-0
4.5-3.5 (M6)	.217 -.275"	5.5-7.0mm	1 pair	130-66-0

### Inside Micrometers

**Features:**

- Flatness: 0.6mm for models up to 300mm, 1mm for models over 300mm.
- Parallelism:  $(2+R/100)$  mm, R= max. range (mm).
- Caliper type jaws are made of high-grade, tool steel.
- Locking clamp for positive locking of spindle.
- Satin chrome finished.
- Supplied in fitted wooden case.
- Without a standard ring gauge except for .2-1.2"/0-30mm and 1-2"/25-50mm model.
- Origin-set, Zero-setting, Inch/Metric conversion.
- Ratchet stop.
- Inch/Metric conversion for digital models.



207-01-1

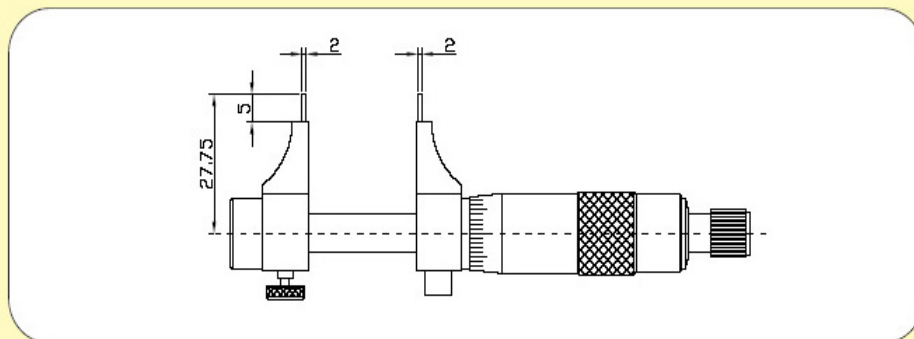


203-01-1

Metric		Metric		
Code No.	Range	Resolution	Accuracy	
207-01-0	5-30mm	0.001mm	±0.004mm	
207-02-0	25-50mm	0.001mm	±0.004mm	
207-03-0	50-75mm	0.001mm	±0.005mm	
207-04-0	75-100mm	0.001mm	±0.005mm	

Metric			
Range	Graduation	Accuracy	Code No.
5-30mm	0.01mm	±0.004mm	203-01-0
25-50mm	0.01mm	±0.004mm	203-02-0
50-75mm	0.01mm	±0.005mm	203-03-0
75-100mm	0.01mm	±0.005mm	203-04-0

TECHNICAL DATA



## Micrometer Stand

**Features:**

- These stands are designed to allow bench top use with hand micrometers.



**109-01-0**  
**Painted Steel Base**



**109-02-0**  
**Painted Aluminum Base**

## Vernier Calipers

### Features:

- Can measure OD, ID, depth and steps.
- Available in plain, thumb clamp and fine adjustment.
- With Metric/Inch dual scale.
- Stainless steel.



Range Lower	Range Upper	Graduation Lower	Graduation Upper	Accuracy	Note	Code No.
<b>Plain Vernier</b>						
0-150mm	0-6"	0.05mm	1/128"	±0.05mm	upper lock	341-06-0
0-200mm	0-8"	0.05mm	1/128"	±0.05mm	upper lock	341-08-0
0-300mm	0-12"	0.05mm	1/128"	±0.06mm	upper lock	341-12-0
0-150mm	0-6"	0.02mm	0.001"	±0.02mm	upper lock	341-06-4
0-200mm	0-8"	0.02mm	0.001"	±0.03mm	upper lock	341-08-4
0-300mm	0-12"	0.02mm	0.001"	±0.04mm	upper lock	341-12-4



### Digital Calipers

**Features:**

- Extra large (5/8") LCD readout.
- Inch/Metric conversion.
- Automatic off feature extends battery life.
- Automatic on feature is activated by moving slider.
- The origin position is retained through the on/off cycle.
- Thumb roller included.



**Metric**

Range	Resolution	Accuracy	Code No.
0-150mm	0.01mm	±0.02mm	306-06-0
0-200mm	0.01mm	±0.03mm	306-08-0
0-300mm	0.01mm	±0.03mm	306-12-0

**Features:**

- Large LCD readout.
- Inch/Metric conversion.
- The origin position is retained through the on/off cycle.
- Thumb roller included for inch models.



**Metric**

**Metric**

Code No.	Range	Resolution	Accuracy
307-06-0	0-150mm	0.01mm	±0.02mm
307-08-0	0-200mm	0.01mm	±0.03mm
307-12-0	0-300mm	0.01mm	±0.03mm

### IP67 Coolant Proof Digital Caliper

**Features:**

- IP67 coolant proof.
- Extra large LCD readout.
- Inch/Metric conversion.
- Can be used in workshop conditions exposed to coolant, water, dust or oil.
- Easy to use-no need wipe or clean the scale.
- Advanced design styling.
- Auto power on/off.
- Supplied in fitted plastic case.

Code Initials	IP	International Protection
1st No.	6	Dust Protection
2nd No.	7	30 minutes immersion in water of 1 meter depth protected.



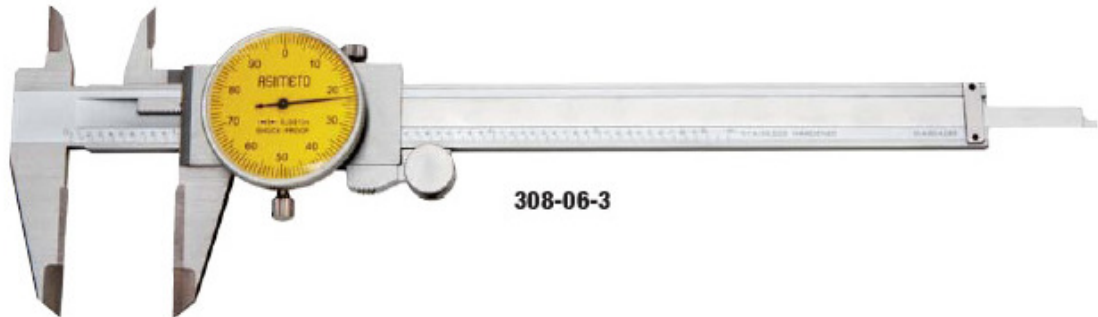
**Metric**

Range	Resolution	Accuracy	Code No.
0-150mm	0.01mm	±0.02mm	305-06-0

## Dial Calipers With Carbide Measuring Faces

**Features:**

- Both ID & OD measuring faces are carbide tipped.
- Thumb roller included.

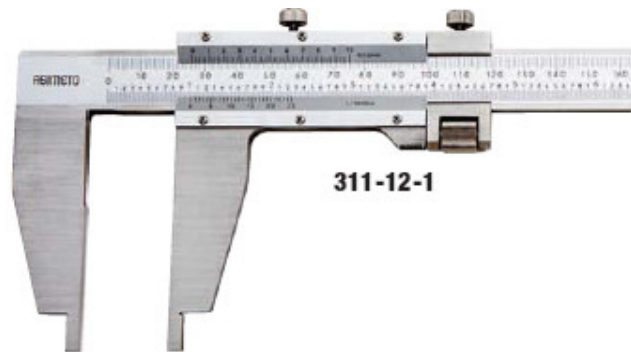


<b>Metric</b>			
Range	Graduation	Accuracy	Code No.
0-150mm	0.01mm	±.02mm	303-06-0
0-200mm	0.01mm	±.03mm	303-08-0
0-300mm	0.01mm	±.03mm	303-12-0
0-150mm	0.02mm	±.03mm	303-06-2
0-200mm	0.02mm	±.03mm	303-08-2
0-300mm	0.02mm	±.03mm	303-12-2

## Heavy Duty Vernier Calipers

### Features:

- With fine adjustment carriage to feed the slider finely.
- With nib style jaws having round measuring faces for accurate ID measurement.
- Minimal ID measurement size:  
10mm for 300mm/12" range.  
20mm for over 450mm/18" range.



### Metric

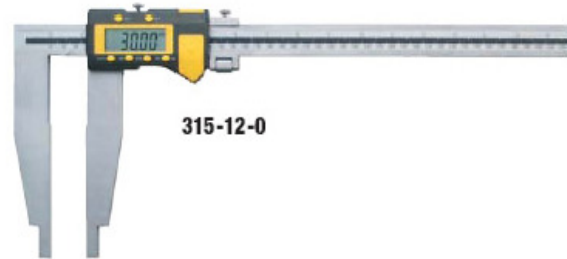
Range		Graduation		Accuracy	Jaw Length	Code No.
Lower	Upper	Lower	Upper			
0-300mm	0-12"	0.02mm	.001"	±0.04mm	75mm	311-12-0
0-450mm	0-18"	0.02mm	.001"	±0.05mm	100mm	311-18-0
0-600mm	0-24"	0.02mm	.001"	±0.05mm	100mm	311-24-0
0-1000mm	0-40"	0.02mm	.001"	±0.07mm	140mm	311-40-0

0-300mm	0-12"	0.05mm	1/128"	±0.06mm	75mm	311-12-2
0-500mm	0-20"	0.05mm	1/128"	±0.07mm	100mm	311-18-2
0-800mm	0-32"	0.05mm	1/128"	±0.10mm	100mm	311-24-2
0-1000mm	0-40"	0.05mm	1/128"	±0.10mm	140mm	311-40-2

## Heavy Duty Digital Calipers

### Features:

- Resolution: 0.01mm/.00005".
- With nib style jaws having round measuring faces for accurate ID measurement.
- Inch/Metric conversion.
- Battery SR44, with one spare battery.



Range		Resolution		Accuracy	Jaw Length	Code No.
Inch	Metric	Inch	Metric			
0-12"	0-300mm	.0005"	0.01mm	±0.04mm	90mm	315-12-0
0-20"	0-500mm	.0005"	0.01mm	±0.05mm	150mm	315-20-0
0-32"	0-800mm	.0005"	0.01mm	±0.07mm	150mm	315-32-0
0-40"	0-1000mm	.0005"	0.01mm	±0.07mm	200mm	315-40-0

## Long Jaw Vernier Calipers

### Features:

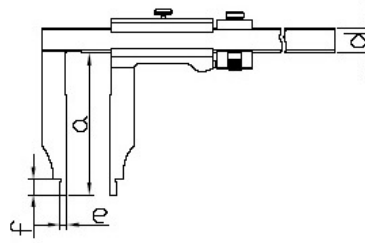
- With fine adjustment carriage to feed the slider finely.
- With nib style jaws having round measuring faces for accurate ID measurement.
- Minimal ID measurement size:  
10mm for 300mm/12" range.  
20mm for over 450mm/18" range.



### Metric

Range		Graduation		Accuracy	Jaw Length	Code No.
Lower	Upper	Lower	Upper			
0-300mm	0-12"	0.02mm	.001"	±0.04mm	90mm	311-12-4
0-500mm	0-20"	0.02mm	.001"	±0.05mm	200mm	311-20-4
0-300mm	0-12"	0.05mm	1/128"	±0.06mm	90mm	311-12-6
0-500mm	0-20"	0.05mm	1/128"	±0.07mm	200mm	311-20-6
0-750mm	0-30"	0.05mm	1/128"	±0.09mm	200mm	311-30-6
0-1000mm	0-40"	0.05mm	1/128"	±0.10mm	200mm	311-40-6

TECHNICAL DATA



Range	a (mm)	d (mm)	e (mm)	f (mm)
0-12"/0-300mm	90	20	5	12
0-20"/0-500mm	200	25	10	18
0-30"/0-700mm	200	32	10	18
0-40"/0-1000mm	200	32	10	18

## Digital Depth Calipers

### Features:

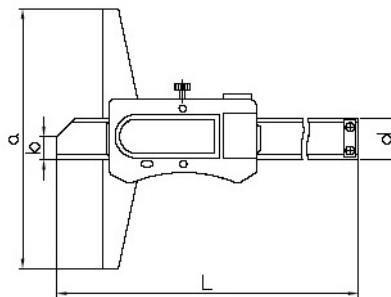
- Base and measuring faces are hardened and micro-lapped.
- SR44 battery.
- Inch/Metric conversion.



### Metric

Range	Resolution	Accuracy	Code No.
0-150mm	0.01mm	±0.03mm	327-06-0
0-200mm	0.01mm	±0.03mm	327-08-0
0-300mm	0.01mm	±0.04mm	327-12-0

TECHNICAL DATA

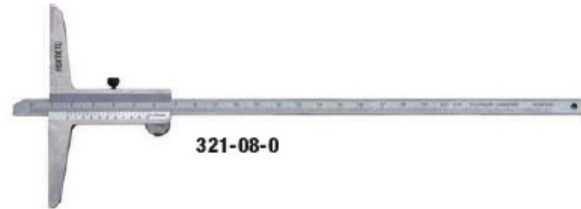


Range	Graduation	L (mm)	a (mm)	b (mm)	d (mm)
0-6"/0-150mm	.0005"/0.01mm	230	100	8.5	14.5
0-8"/0-200mm	.0005"/0.01mm	280	100	8.5	14.5
0-12"/0-300mm	.0005"/0.01mm	380	150	8.5	14.5

## Vernier Depth Calipers

### Features:

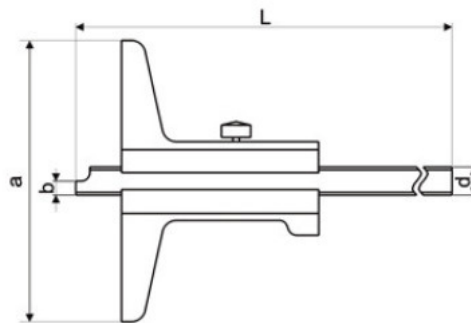
- Base and measuring faces are hardened and micro-lapped.
- Upper locking screw.



### Metric

Range	Graduation	Accuracy	Code No.
0-150mm	0.05mm	±0.05mm	321-06-0
0-150mm	0.02mm	±0.02mm	321-06-2
0-200mm	0.05mm	±0.05mm	321-08-0
0-200mm	0.02mm	±0.03mm	321-08-2
0-300mm	0.05mm	±0.05mm	321-12-0
0-300mm	0.02mm	±0.03mm	321-12-2

## TECHNICAL DATA



Range	L	a	b	d
0-150mm / 0-6"	250mm	100mm	2mm	10mm
0-200mm / 0-8"	300mm	100mm	2mm	10mm

## Vernier Height Gauges

### Features:

- The light weight Height Gauge is designed for scribing from a vertical or for small parts.
- Fine adjustment for easy setting.
- Satin chrome finish.
- Carbide tipped scriber.
- Beam and slider are made of stainless steel.
- With plastic cover on base.
- Graduation: Inch 1/128", Metric 0.05mm.



621-24-0

### Metric

Range	Accuracy	Code No.
0-300mm	±0.04mm	621-12-0
0-600mm	±0.05mm	621-24-0

## Digital Height Gauges

### **Features:**

- Built in ABSOLUTE linear encoder.
- This encoder eliminates the necessity of setting the reference point at every power-on.
- Carbide tipped scriber facilitates fine scribing on workshop.
- Can easily measure height of small workpieces.
- Inch/Metric conversion.
- The clear LCD screen.
- Fine-adjustment carriage to feed the slider finely.
- With plastic cover on base.
- Resolution: Inch .0005", Metric 0.01mm.



<b>Metric</b>		
Range	Accuracy	Code No.
0-300mm	±0.04mm	625-12-0
0-600mm	±0.05mm	625-24-0



## AGD2 Dial Indicators

### Features:

- Dial face dia. Ø2.20"/Ø58mm.
- Lug back.
- Easy to read dial face.
- With counter pointer.
- All metric models are with jeweled bearings.



402-26-5



**Metric**

Stem Ø8mm diameter

Range	Graduation	Full Stroke	Dial Reading	Overall Accuracy	Code No.	Shock Proof
1mm	0.001mm	0.2mm	0-100-0	0.007mm	402-01-2	
10mm	0.01mm	1mm	0-100	0.017mm	402-10-0	
10mm	0.01mm	1mm	0-100	0.017mm	402-10-8	V
20mm	0.01mm	1mm	0-50-0	0.025mm	402-20-0	
20mm	0.01mm	1mm	0-100	0.025mm	402-20-8	V
25mm	0.01mm	1mm	0-50-0	0.025mm	402-25-0	



402-51-1

### Digital Indicators

**Features:**

- Tolerance measurement feature.
- Inch/Metric conversion.
- SR44 (silver oxide cell) battery.
- Flat back (attached) and lug back supplied.
- Ø8mm stem diameter for metric models.
- Ø3/8" stem diameter for inch models.



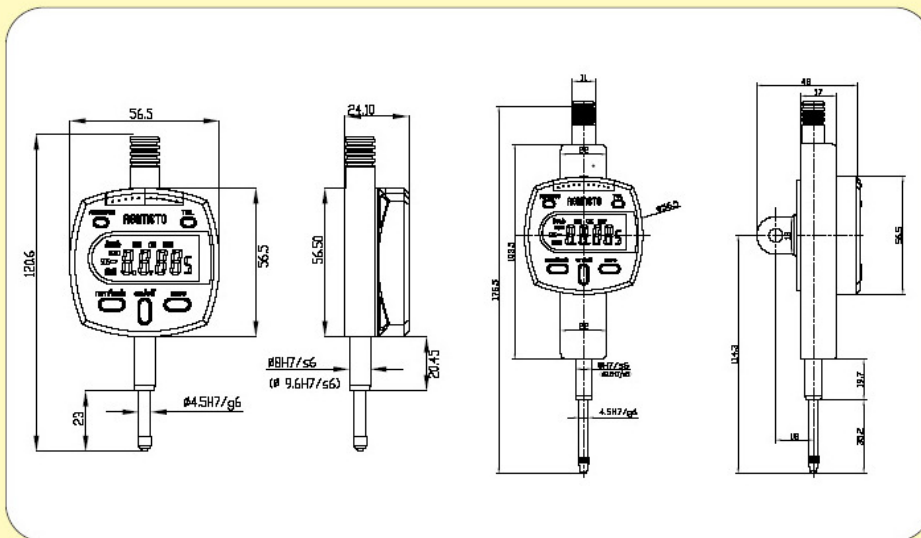
405-95-1



405-01-1

Metric			Metric
Range	Resolution	Accuracy	Code No.
12.5mm	0.001mm	0.015mm	405-95-4
12.5mm	0.01mm	0.03mm	405-95-0
25mm	0.01mm	0.03mm	405-01-0

### TECHNICAL DATA



## AGD1 Dial Indicators

### Features:

- Dial face dia. Ø1.61"/Ø42mm.
- All metric models are with jeweled bearings.
- Lug back.
- Without counter pointer.



401-06-3

**Metric** Stem Ø8mm diameter

Range	Graduation	Range / Rev.	Dial Reading	Overall Accuracy	Code No.
5mm	0.01mm	1mm	0-50	0.016mm	401-05-0

## Test Indicators

### Features:

- Jeweled bearings.
- Inch unit comes with 03/8" dovetail stems.
- Metric unit comes with 08mm dovetail stems.
- Easy to read yellow face.
- Carbide tipped and red diamond tipped is optional upon item code 50x-xx-xC and 50x-xx-xD.



Vertical



Horizontal

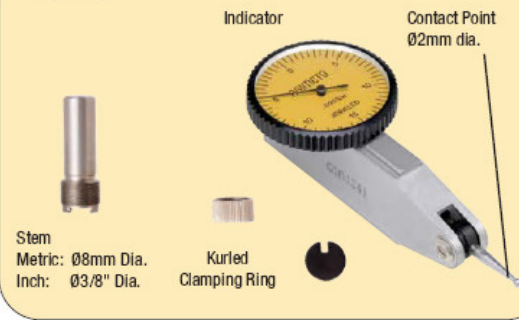


3D Model

### Full Set



### Base Set



Metric					032mm DIA.		040mm DIA.
Range	Graduation	Dial Reading	Accuracy	Note	Basic Set Code No.	Full Set Code No.	Basic Set Code No.
0.2mm	0.002mm	0-100-0	0.004mm	Horizontal	501-02-0	501-02-9	502-02-0
0.8mm	0.01mm	0-40-0	0.013mm	Horizontal	501-08-0	501-08-9	502-08-0

## Articulating Arm Magnetic Base

### Features:

- Arm has 3 articulating joints that can be locked with the single hand knob.
- For indicators with 3/8" and 8mm stem (with a 3/8" to 8mm sleeve).
- On/Off switch.



602-02-1



601-01-1

601-02-1

### Magnetic Bases

#### Features:

- For Indicators with 3/8"/8mm stems and or Lug backs with 1/4"/6mm hole dia.
- On/Off switch.
- 132 lbf / 60kg magnetic pull.

Model	Magnetic Pull	Base Size	Code No.
Type II	132 lbf / 60kg	60x50x55	602-02-1
Type III	132 lbf / 60kg	60x50x55	602-03-1

#### Metric

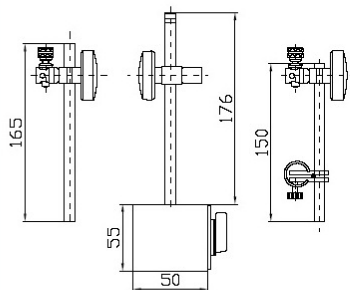
Applicable holding stem dia Ø8mm.

Model	Code No.
With 125mm Rod and Universal clamp	601-01-0
With 150mm Adjustable Rod / Fine Adjustment	601-02-0

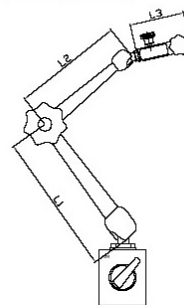
### TECHNICAL DATA

#### Articulating Arm Magnetic Base

Unit: mm



#### Articulating Arm Magnetic Base



Model	L1 (in.)	L2 (in.)	L3 (in.)	Total (in.)	Base Dimensions (mm)
Type I	2.20"	2.00"	2.20"	6.50"	36x30x35
Type II	4.30"	4.00"	2.20"	10.60"	60x50x55
Type III	6.40"	4.40"	2.20"	13.10"	60x50x55



## Dial Bore Gauges

**Features:**

- Fixed measuring points made of steel.
- Movable probe pin with carbide ball.



.24-.4" / 10-18mm



.4-.74" / 10-18mm



.7-1.4" / 18-35mm



Over 1.4" / 35mm

**Metric** Graduation: 0.01mm

Range	Number of Anvils	Number of Spacers	Probe Depth	Code No.
6-10mm	9 pcs	-	40mm	484-11-0
10-18mm	9 pcs	1 pcs	100mm	484-12-0
18-35mm	8 pcs	3 pcs	100mm	484-21-0
35-50mm	6 pcs	4 pcs	150mm	484-22-0
50-160mm	11 pcs	4 pcs	150mm	484-31-0
160-250mm	6 pcs	6 pcs	250mm	484-32-0
250-400mm	6 pcs	6 pcs	400mm	484-33-0

**Metric** Graduation: 0.001mm

Range	Number of Anvils	Number of Spacers	Probe Depth	Code No.
6-10mm	9 pcs	-	40mm	483-11-0
10-18mm	9 pcs	1 pcs	100mm	483-12-0
18-35mm	8 pcs	3 pcs	100mm	483-21-0
35-50mm	6 pcs	4 pcs	150mm	483-22-0
50-160mm	11 pcs	4 pcs	150mm	483-31-0

**Metric Sets**

Range	Graduation	Individual Holer	Dial Indicator	Code No.
18-160mm	0.01mm	18-35mm, 35-50mm, 50-160mm	1 pc 3mmx0.01mm	484-63-8
18-160mm	0.001mm	18-35mm, 35-50mm, 50-160mm	1 pc 1mmx0.0001mm	483-63-8



484-22-0

## Thickness Gauges

### Features:

- Suit for measuring thickness of paper, film, wire, sheet metal, jewelry, leather and similar materials.



495-01-0



491-01-0

### Digital Models

- Resolution: Inch .0005", Metric 0.01mm.

<b>Metric</b>			
Range	Accuracy	Deep Throat	Code No.
0-10mm	±0.015mm	30mm	495-01-0
0-10mm	±0.015mm	120mm	495-02-0

### Analog Models

<b>Metric</b> Graduation: 0.01mm			
Range	Accuracy	Deep Throat	Code No.
0-10mm	±0.015mm	30mm	491-01-0
0-10mm	±0.015mm	120mm	491-02-0

## Rectangular Gauge Block Sets

### Features:

- Individual serial numbers on each block, regardless of grade
- A complete certificate of calibration traceable to the N.I.S.T or P.T.B showing the deviation of each block.
- All sets are supplied in deluxe fitted wooden case.
- Mirror polished surfaces provide superior wringing characteristics.



<b>Metric Set</b>		1 mm base set	
Blocks Per Set	Blocks Included In Set	Grade	Steel Code No.
87 (ISO / DIN / JIS / GB)	9 Blocks: 1.001- 1.009mm x 0.001mm step	0	650-13-0
	49 Blocks: 1.01- 1.49mm x 0.01mm step	1	650-13-1
	19 Blocks: 0.5 - 9.5mm x 0.5mm step	2	650-13-2
	10 Blocks: 10 - 100mm x 10mm step		

<b>Metric Set</b>		1 mm base set	
Blocks Per Set	Blocks Included In Set	Grade	Steel Code No.
47 (ISO / DIN / GB)	1 Block :1.005mm	0	650-14-0
	20 Blocks: 1.01- 1.20mm x 0.01mm step	1	650-14-1
	7 Blocks: 1.3 - 1.9mm x 0.1mm step	2	650-14-2
	9 Blocks: 1 - 24mm x 1mm step		
	10 Blocks: 25 - 100mm x 10mm step		

<b>Metric Set</b>		1 mm base set	
Blocks Per Set	Blocks Included In Set	Grade	Steel Code No.
32 (ISO / DIN / JIS / GB)	1 Block :1.005mm	0	650-16-0
	9 Blocks: 1.01 - 1.09mm x 0.01mm step	1	650-16-1
	9 Blocks: 1.1 - 1.9mm x 0.1mm step	2	650-16-2
	9 Blocks: 1 - 9mm x 1mm step		
	4 Blocks: 10 - 30mm x 10mm step, 60mm		



## Granite Plate

### Features:

- Natural granite seasoned for thousands of years is free from deterioration or dimensional change over time.
- Long life and rust-free, resulting in low maintenance costs.
- Each Surface Plate is shipped with a certificate of accuracy which guarantees its accuracy.
- Surface plates, to size of specifications other than standard, available on special order.
- Granite surface plate has many advantages over cast iron surface plates: Twice as hard as cast iron. Minimal changes in dimension due to temperature changes. Free from wringing, so there is no interruption of work. Free from burrs or protrusions because of the fine grain structure and insignificant stickiness; this ensures a high degree of flatness over a long service life and causes no damage to other parts or instruments.



### Metric

Size	Grade	Code No.	Grade	Code No.	Grade	Code No.
300 x 300 x 100 mm	00	630-10-9	0	630-10-0	1	630-10-1
450 x 300 x 100 mm	00	630-12-9	0	630-12-0	1	630-12-1
600 x 450 x 100 mm	00	630-14-9	0	630-14-0	1	630-14-1
600 x 600 x 130 mm	00	630-16-9	0	630-16-0	1	630-16-1
750 x 500 x 130 mm	00	630-18-9	0	630-18-0	1	630-18-1
1000 x 750 x 150 mm	00	630-20-9	0	630-20-0	1	630-20-1

## Flexible Steel Rules

**Features:**

- Made of hardened tool steels.



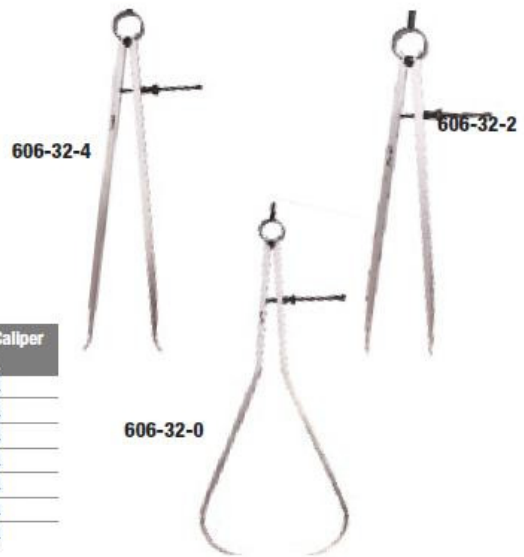
Inch		Metric		Width	Thickness	Code No.
Range	Resolution	Range	Resolution			
12"	1/16 ths	300mm	1mm	25mm	1mm	606-01-0
24"	1/16 ths	600mm	1mm	30mm	1.2mm	606-02-0
40"	1/16 ths	1000mm	1mm	32mm	1.5mm	606-03-0
60"	1/16 ths	1500mm	1mm	38mm	1.8mm	606-04-0
80"	1/16 ths	2000mm	1mm	40mm	2.0mm	606-05-0

## Spring Dividers and Calipers

**Features:**

- Spring dividers - fully hardened and tempered joints, spring, washers and divider points.
- Outside Spring Caliper - Contact ends fully rounded to give accurate dimensions.
- Inside Spring Caliper - Ends fully rounded to give accurate contact with a workpiece.

Inch Range	Metric Range	Spring Divider Code No.	Outside Spring Caliper Code No.	Inside Spring Caliper Code No.
6"	150mm	606-31-0	606-31-2	606-31-4
8"	200mm	606-32-0	606-32-2	606-32-4
10"	250mm	606-33-0	606-33-2	606-33-4
12"	300mm	606-34-0	606-34-2	606-34-4
16"	400mm	606-35-0	606-35-2	606-35-4
20"	500mm	606-36-0	606-36-2	606-36-4
24"	600mm	606-37-0	606-37-2	606-37-4



## Precision Levels

**Features:**

- High precision longitudinal and transverse vials make it possible to check or level surface.

**Straight Models**

Range	Sensitivity	Code No.
200 x 47mm	0.02mm/m	606-51-2



606-51-0



606-53-0

**Square Models**

Range	Sensitivity	Code No.
200 x 200 x 40mm	0.02mm/m	606-53-2

## Steel Squares

### Features:

- Made of stainless steel.
- All edges are hardened and and precision ground.
- Squareness according to DIN875.

Inch Size	Metric Size	Regular Type		Bevel Type	
		Squareness	Code No.	Squareness	Code No.
<b>General Type Squares</b>					
2" x 1.6"	50 x 40mm	0.0060mm	639-21-4	0.0025mm	639-21-0
3" x 2"	75 x 50mm	0.0065mm	639-22-4	0.0030mm	639-22-0
4" x 2.75"	100 x 70mm	0.0070mm	639-23-4	0.0030mm	639-23-0
6" x 4"	150 x 100mm	0.0080mm	639-24-4	0.0035mm	639-24-0
8" x 5"	200 x 130mm	0.0090mm	639-25-4	0.0040mm	639-25-0
10" x 6.5"	250 x 165mm	0.0100mm	639-26-4	-	-
12" x 8"	300 x 200mm	0.0110mm	639-27-4	-	-
16" x 10"	400 x 265mm	0.0130mm	639-28-4	-	-
20" x 12"	500 x 300mm	0.0150mm	639-29-4	-	-
<b>Squares with Beam "Engineers Square"</b>					
3" x 2"	50 x 40mm	0.0065mm	639-32-4		
4" x 2.75"	100 x 70mm	0.0070mm	639-33-4		
6" x 4"	150 x 100mm	0.0080mm	639-34-4		
8" x 5"	200 x 130mm	0.0090mm	639-35-4		
10" x 6.5"	250 x 165mm	0.0100mm	639-36-4		
12" x 8"	300 x 200mm	0.0110mm	639-37-4		
16" x 10"	400 x 265mm	0.0130mm	639-38-4		



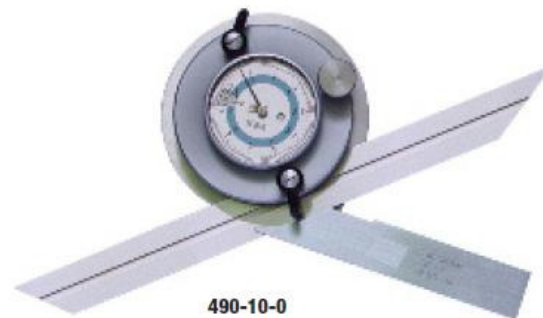
Inch Size	Metric Size	DIN876/0	DIN876/1
		Code No.	Code No.
<b>Squares with Base</b>			
2" x 1.6"	50 x 40mm	639-52-0	639-52-1
3" x 2"	75 x 50mm	639-53-0	639-53-1
4" x 2.75"	100 x 70mm	639-54-0	639-54-1
6" x 4"	150 x 100mm	639-55-0	639-55-1
8" x 5"	200 x 130mm	639-56-0	639-56-1
10" x 6.5"	250 x 165mm	639-57-0	639-57-1
12" x 8"	300 x 200mm	639-58-0	639-58-1
16" x 10"	400 x 265mm	639-59-0	639-59-1
20" x 12"	500 x 300mm	639-60-0	639-60-1

## Dial Protractors

### Features:

- High-precision angle gauge for accurate angle measurement of machines, molds, and jigs.
- With dial indicators. With fine adjustment.
- Can be attached to height gauges.
- Measuring Range: 0-360 degree. Graduation: 5 min.
- Accuracy: ±5 min.

Description	Code No.
With one each of 150mm/6", 200mm/8", 300mm/12" blades	490-10-0



## Universal Bevel Protractors

**Features:**

- High-precision angle gauge for accurate angle measurement of machines, molds, and jigs.
- With magnifying glass for easier reading.
- Can be attached to height gauges.
- Measuring Range: 0-360 degree.
- Dial graduation: 1 degree. Vernier graduation: 5 min.
- Accuracy:  $\pm 5$  min.

Description	Code No.
With 300mm/12" blades	490-06-3



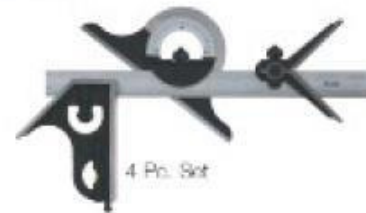
490-06-1

## Combination Square Set

**Features:**

- Blades are fully hardened and tempered. Finished in baked enamel.
- Square head has level and scriber point.
- Micro-fine blade graduations.
- Sets with cast head or with hardened head.
- Graduations:
  - Protractor: 1 degree
  - Blade: 1mm, 64ths, 32nds, 1/2mm

Description	Blade Length	Code No.
4 pcs set	12"/300mm	490-20-4



4 Pcs. Set