



TOOLING
YOUR
WORLD.



Measuring & Inspecting

ASIMETO



Micrometers	3-6
Calipers	6-8
Indicators	8-10
Bases	11-12
Gauges	12-21
Blocks & Parallels	20-22



Sowa Tool has been serving the metalworking industry since 1960.

Your world is full of challenges and worrying about having the right tools for the job should not be one of them. With a three-generation legacy of family-style customer service, Sowa Tool & Machine has been trusted by manufacturers and distributors throughout North America to supply some of the industry's best metalworking solutions since 1960.

Our mission has been and continues to be to provide the broadest range of metalworking solutions in the industry. We accomplish this through the continuous development of our family of brands that include items within the Tool Holding, Workholding, Measuring & Inspecting, and Cutting Tool categories. This allows you to secure all these solutions from one place, reducing your total number of purchase orders and consolidating your freight charges in this increasingly expensive market.

Our wide array of metalworking products come in stock with same-day shipping if ordered before 3:00 pm EST. Our customer service team is just a call or click away, available to offer technical help or source hard-to-find products. Over the decades we've fine-tuned the balance between inventory, pricing and customer service, and can help you select precisely what you need to get the job done right. Our manufactured products are designed to meet the highest quality standards or provide the best price on the market, sometimes both!

26,000+

INDUSTRIAL PRODUCTS

6

INDUSTRY BRANDS

1960

YEAR FOUNDED

5

WAREHOUSES

90+

ASSOCIATES

23,000+

STOCKED SKU'S IN THE USA



**Depend on us to tool your world and deliver
the competitive edge your business needs to stay ahead!**

Digital Outside Micrometers with SPC Output

ASIMETO

- Accuracy: Per B89.1.13-2001 specification
- Carbide measuring faces
- Automatic on/off to maximize battery life
- Inch/Metric conversion
- Absolute or incremental measuring modes



Range	Inch Resolution	Accuracy	Range	Metric Resolution	Accuracy	Thimble Type	Code No.
0-1	0.00005"	0.0001"	0-25	0.001mm	0.002mm	Ratchet	7105015
1-2	0.00005"	0.0002"	25-50	0.001mm	0.002mm	Ratchet	7105025
2-3	0.00005"	0.0002"	50-75	0.001mm	0.003mm	Ratchet	7105035
3-4	0.00005"	0.0002"	75-100	0.001mm	0.003mm	Ratchet	7105045
4-5	0.00005"	0.0002"	100-125	0.001mm	0.003mm	Ratchet	7105055
5-6	0.00005"	0.0002"	125-150	0.001mm	0.003mm	Ratchet	7105065
Sets							
0-3	0.00005"		0-75	0.001mm		Ratchet	7105639

Economic Digital Outside Micrometers

ASIMETO

- Carbide tipped measuring faces
- Painted frame
- Friction thimble
- Inch/Metric conversion
- Absolute or incremental measuring modes



Range	Resolution	Accuracy	Code No.
0-1"/0-25mm	0.00005"/0.001mm	±0.00016"/0.004mm	7116011
1-2"/25-50mm	0.00005"/0.001mm	±0.00016"/0.004mm	7116021
2-3"/50-75mm	0.00005"/0.001mm	±0.0002"/0.005mm	7116031

Outside Micrometers — Inch

ASIMETO

- Locking clamp
- Carbide faces
- Satin chrome finish



Ratchet Thimble

Range	Graduation	Accuracy	Thimble Type	Code No.
0-1"	0.001"	±0.0001"	Ratchet	7101011
1-2"	0.001"	±0.0002"	Ratchet	7101021
0-1"	0.0001"	±0.0001"	Ratchet	7101013
1-2"	0.0001"	±0.0002"	Ratchet	7101023
2-3"	0.0001"	±0.0002"	Ratchet	7101033
3-4"	0.0001"	±0.00015"	Ratchet	7101043
4-5"	0.0001"	±0.00015"	Ratchet	7101053
5-6"	0.0001"	±0.00015"	Ratchet	7101063
6-7"	0.0001"	±0.0002"	Ratchet	7101073
7-8"	0.0001"	±0.0002"	Ratchet	7101083
8-9"	0.0001"	±0.0002"	Ratchet	7101093
9-10"	0.0001"	±0.00025"	Ratchet	7101103
10-11"	0.0001"	±0.00025"	Ratchet	7101113
11-12"	0.0001"	±0.00025"	Ratchet	7101123

Micrometer Stands

ASIMETO

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



Notes	Code No.
Painted Cast Iron Base	7109021

Outside Micrometers Sets — Inch

ASIMETO

- Locking clamp
- Carbide faces
- Satin chrome finish



Range	Grad.	Notes	Code No.
0-3" (3pc)	0.0001"	0-1"+1-2" Friction 2-3" Ratchet	7101637
0-6" (6pc)	0.0001"	0-1"+1-2" Friction 2-3" to 5-6" Ratchet	7101667
6-12" (6pc)	0.0001"	All Ratchet Stop	7101827
0-12" (12pc)	0.0001"	0-1"+1-2" Friction 2-3" to 11-12" Ratchet	7101727

Outside Micrometers — Metric

ASIMETO

- Locking clamp
- Carbide faces
- Satin chrome finish



Ratchet Thimble

Range	Graduation	Accuracy	Thimble Type	Code No.
0-25mm	0.001mm	±0.004mm	Ratchet	7101012

Outside Micrometers

STM

- Deluxe heat insulated forged steel frame up to 4"
- Chrome clad
- Complete with standards (2" and up)
- Carbide faces
- Ratchet stop for exact and repetitive reading
- Fitted case



Range (in.)	Graduation (in.)	Code No.
0-1"	0.0001"	200570
1-2"	0.0001"	200572

Outside Micrometer Sets

STM

- Ratchet and lock nut
- Complete with standards (2" and up)
- Carbide faces
- Fitted wood case

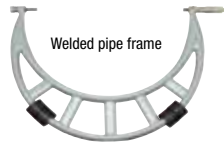


Range (in.)	Graduation (in.)	Code No.
0-6"	0.0001"	200580

Interchangeable Anvil Micrometers

ASIMETO

- Ratchet stop
- Locking clamp
- Carbide faces
- Satin chrome finish
- Sizes over 12" have a welded pipe frame



Range	Grad.	Accuracy	Notes	Code No.
0-6"	0.001"	± 0.0002"	with 6 Anvils & 5 Standards	7111061
6-12"	0.001"	± 0.0003"	with 6 Anvils & 6 Standards	7111121
12-16"	0.001"	± 0.0004"	with 4 Anvils & 2 Standards	7111161
16-20"	0.001"	± 0.0005"	with 4 Anvils & 2 Standards	7111201
20-24"	0.001"	± 0.0006"	with 4 Anvils & 2 Standards	7111241
24-28"	0.001"	± 0.0006"	with 4 Anvils & 2 Standards	7111281
28-32"	0.001"	± 0.0007"	with 4 Anvils & 2 Standards	7111321
32-36"	0.001"	± 0.0008"	with 4 Anvils & 2 Standards	7111361
36-40"	0.001"	± 0.0008"	with 4 Anvils & 2 Standards	7111401

Note: The individual anvils are matched as a set with the frame. The accuracy cannot be guaranteed if used with a different frame.

Digital Disc Micrometers — Non-Rotating Spindle

ASIMETO

- Resolution: 0.00005"/0.001mm
- Non rotating spindle
- Ratchet stop
- Inch/Metric conversion
- Absolute or incremental measuring modes
- Automatic On/Off
- Sizes over 1" come with standard



Range	Accuracy	Notes	Code No.
0-1" / 0-25mm	±0.0001"	Disc Diameter 0.79"	7145011
1-2" / 25-50mm	±0.0002"	Disc Diameter 0.79" with Standard	7145021
2-3" / 50-75mm	±0.0002"	Disc Diameter 0.79" with Standard	7145031
3-4" / 75-100mm	±0.0002"	Disc Diameter 0.79" with Standard	7145041

Digital Blade Micrometers

ASIMETO

- For measuring the groove diameter of shafts, keyways, and other hard to reach portions
- Ratchet stop
- Non-rotating spindle
- Carbide measuring faces
- Inch/Metric conversion
- Absolute or incremental measuring modes



Range	Resolution	Accuracy	Blade Dimensions Depth x Length	Code No.
0-1" / 0-25mm	0.00005" / 0.001mm	±0.0001"	0.030" x 0.250"	7117011
1-2" / 25-50mm	0.00005" / 0.001mm	±0.0002"	0.030" x 0.250"	7117021
2-3" / 50-75mm	0.00005" / 0.001mm	±0.0002"	0.030" x 0.250"	7117031
3-4" / 75-100mm	0.00005" / 0.001mm	±0.0002"	0.030" x 0.250"	7117041

Digital Screw Thread Micrometers

ASIMETO

- For measuring various screw threads
- Automatic on/off to maximize battery life
- Inch/Metric conversion
- Absolute or incremental measuring modes
- Ratchet stop
- Interchangeable tips are optional
- Non-rotating spindle



Range (in.)	Inch Resolution	Accuracy	Range (mm)	Metric Resolution	Accuracy	Code No.
0-1"	0.00005"	±0.0001"	0-25	0.001mm	±0.004mm	7136011
1-2"	0.00005"	±0.0002"	25-50	0.001mm	±0.004mm	7136021

Screw Thread Micrometers

ASIMETO

- For measuring various screw threads
- Friction thimble
- Interchangeable tips are optional

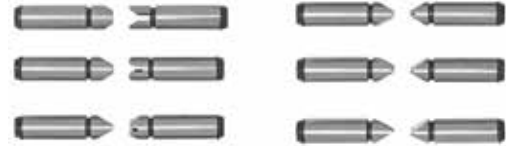


Range	Grad.	Accuracy	Notes	Code No.
0-1"	0.001"	±0.0001"		7132011
1-2"	0.001"	±0.0002"	with Standard	7132021
2-3"	0.001"	±0.0002"	with Standard	7132031
3-4"	0.001"	±0.0002"	with Standard	7132041

Anvils

ASIMETO

- For screw 60° ISO



T.P.I.	Pitch (in./mm)	Notes	Code No.
64-48 (M1)	0.016-0.019"/0.4-0.5mm	1 pair	7130610
44-28 (M2)	0.024-0.035"/0.6-0.9mm	1 pair	7130620
24-14 (M3)	0.04-0.068"/1.0-1.75mm	1 pair	7130630
13-9 (M4)	0.079-0.118"/2.0-3.0mm	1 pair	7130640
8-5 (M5)	0.138-0.196"/3.5-5.0mm	1 pair	7130650
4.5-3.5 (M6)	0.217-0.275"/5.5-7.0mm	1 pair	7130660
64-3.5	0.016-0.275"/0.4-7.0mm	6 Pair Set	7130600

Micrometer Standards

ASIMETO

- Used for zero point setting of outside micrometers
- Heat insulating handle to prevent heat expansion due to body temperature
- Flat measuring face



Size	Accuracy	Diameter	Code No.
1"	±0.00005"	0.276"	7110011
2"	±0.0001"	0.276"	7110021
3"	±0.0001"	0.276"	7110031
4"	±0.0001"	0.315"	7110041
5"	±0.00015"	0.315"	7110051
6"	±0.00015"	0.315"	7110061
7"	±0.00015"	0.315"	7110071
8"	±0.00015"	0.315"	7110081
9"	±0.00020"	0.315"	7110091
10"	±0.00020"	0.315"	7110101
11"	±0.00020"	0.315"	7110111
12"	±0.00025"	0.630"	7110121
13"	±0.00025"	0.630"	7110131
14"	±0.00025"	0.630"	7110141
15"	±0.00025"	0.630"	7110151
16"	±0.00025"	0.630"	7110161
17"	±0.00025"	0.630"	7110171
18"	±0.00025"	0.630"	7110181
19"	±0.00030"	0.630"	7110191
20"	±0.00030"	0.630"	7110201
21"	±0.00030"	0.630"	7110211
23"	±0.00030"	0.630"	7110221

Inside Micrometers

ASIMETO

- Carbide measuring faces
- Graduation: Inch: 0.001"
- Ratchet stop
- Caliper type jaws are made of high grade tool steel



0.2"-1.2"



1" and over

Range	Grad.	Accuracy	Notes	Code No.
0.2"-1.18"	0.001"	±0.0001"	c/w ring gauge	7203011
1-2"	0.001"	±0.0002"	c/w ring gauge	7203021
2-3"	0.001"	±0.0002"		7203031
3-4"	0.001"	±0.0002"		7203041

Digital Depth Micrometers

ASIMETO

- Resolution: 0.00005"
- 0.157 Dia. interchangeable rod lengths can be adjusted after wear on the measuring tip
- Ratchet stop
- Satin Chrome finish throughout
- Protection level IP65
- Absolute and incremental measuring modes
- Auto On/Off
- Inch/Metric conversion



Range	Thimble Grad.	Accuracy	Base Length	Notes	Code No.
0-4"	0.0001"	±0.0002"	2.5"	With Int. Rods: 4pcs	7205041
0-6"	0.0001"	±0.0002"	2.5"	With Int. Rods: 6pcs	7205061
0-4"	0.0001"	±0.0002"	4.0"	With Int. Rods: 4pcs	7205043
0-6"	0.0001"	±0.0002"	4.0"	With Int. Rods: 6pcs	7205063

Digital Inside Micrometers

ASIMETO

- Resolution: 0.00005"/0.001mm
- Carbide faces
- Ratchet Stop
- 0.2"-1.2"/75-30mm & 1.0"-2.0"/25-50mm ranges are supplied with setting rings

Range	Resolution	Accuracy	Code No.
Inch Thimble			
0.2"-1.2" / 5-30mm	0.00005"/0.001mm	±0.0001"	7207011
1.0"-2.0" / 25-50mm	0.00005"/0.001mm	±0.0002"	7207021
2.0"-3.0" / 50-75mm	0.00005"/0.001mm	±0.0002"	7207031
3.0"-4.0" / 75-100mm	0.00005"/0.001mm	±0.0002"	7207041



0.2"-1.2"



1" and over

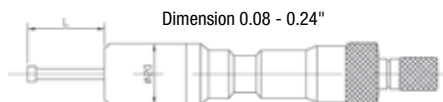
Digital Two & Three Point Internal Micrometers

ASIMETO

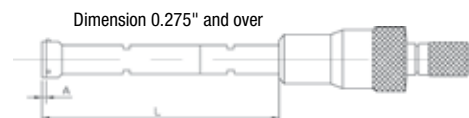
- Resolution: 0.00005"/0.001mm
- Carbide tipped contact points
- Ratchet Stop
- Protection level IP65
- Setting rings supplied
- Measuring contact points are designed to allow measurements near to the bottom of blind holes
- Models up to 6mm or 0.24" have two measuring points and models over 7mm or 0.275" have three measuring points



Range	Thimble Graduation	Accuracy	Setting Rings	L	A	Extension Rods	Code No.
0.5 - 0.65"	0.0002"	±0.00016"	0.65"	80mm	0.5mm	150mm	7208241
0.65 - 0.8"	0.0002"	±0.00016"	0.65"	80mm	0.5mm	150mm	7208251
0.8 - 1.0"	0.0002"	±0.00016"	1"	90mm	0.5mm	150mm	7208261
1 - 1.2"	0.0002"	±0.00016"	1"	90mm	0.5mm	150mm	7208271
1.2 - 1.6"	0.0002"	±0.00016"	1.6"	97mm	0.5mm	150mm	7208281
1.6 - 2.0"	0.0002"	±0.0002"	1.6"	97mm	0.5mm	150mm	7208291
2.0 - 2.5"	0.0002"	±0.0002"	2.5"	114mm	0.5mm	150mm	7208301
2.5 - 3.0"	0.0002"	±0.0002"	2.5"	114mm	0.5mm	150mm	7208311
3.0 - 3.5"	0.0002"	±0.0002"	3.5"	114mm	0.5mm	150mm	7208321
3.5 - 4.0"	0.0002"	±0.0002"	3.5"	114mm	0.5mm	150mm	7208331



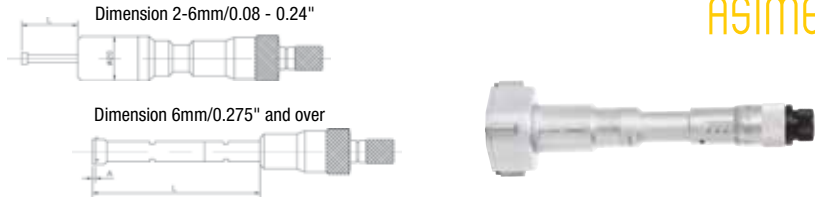
Dimension 0.08 - 0.24"



Dimension 0.275" and over

Two & Three Point Internal Micrometers

- Carbide tipped contact points
- Ratchet stop
- Setting rings supplied (sizes up to 4")
- Measuring contact points are designed to allow measurements near to the bottom of blind holes
- Models up to 6mm or 0.24" have two measuring points and models over 7mm or 0.275" have three measuring points



ASIMETO

Range	Graduation	Accuracy	Setting Rings	L	A	Extension Rods	Code No.
0.5 - 0.65"	0.0002"	±0.00016"	0.65"	80mm	0.5mm	150mm	7209241
0.65 - 0.8"	0.0002"	±0.00016"	0.65"	80mm	0.5mm	150mm	7209251
0.8 - 1.0"	0.0002"	±0.00016"	1"	90mm	0.5mm	150mm	7209261
1 - 1.2"	0.0002"	±0.00016"	1"	90mm	0.5mm	150mm	7209271
1.2 - 1.6"	0.0002"	±0.00016"	1.6"	97mm	0.5mm	150mm	7209281
1.6 - 2.0"	0.0002"	±0.0002"	1.6"	97mm	0.5mm	150mm	7209291
2.0 - 2.5"	0.0002"	±0.0002"	2.5"	114mm	0.5mm	150mm	7209301
2.5 - 3.0"	0.0002"	±0.0002"	2.5"	114mm	0.5mm	150mm	7209311
3.0 - 3.5"	0.0002"	±0.0002"	3.5"	114mm	0.5mm	150mm	7209321
3.5 - 4.0"	0.0002"	±0.0002"	3.5"	114mm	0.5mm	150mm	7209331

Inside Micrometers — Interchangeable Rod Type

ASIMETO

- Graduation: Inch: 0.001"
- Rods marked with its measuring range
- Satin chrome finish throughout
- All contact points hardened for extra long tool life

Note: individual rods are matched with micrometer and should not be interchanged with other sets.



Range	Head Travel	Grad.	Spacing Collar	Rod Dia.	Notes	Code No.
1-2"	0.25"	0.001"	0.250"	0.248"	1" Mic head & 2 Rods	7242021
2-12"	0.50"	0.001"	0.500"	0.248"	2" Mic head & 10 Rods	7242121
8-40"	1.00"	0.001"	1", 2"	0.355"	8" Mic head & 8 Rods	7242401

Depth Micrometers

ASIMETO

- 0.157 Dia. interchangeable rod lengths can be adjusted after wear on the measuring tip
- Ratchet stop
- Satin Chrome finish throughout



Range	Grad.	Accuracy	Base Length	Notes	Code No.
0-4"	0.001"	+0.0002"	2.5"	With Int. Rods: 4pcs	7201041
0-6"	0.001"	+0.0002"	2.5"	With Int. Rods: 6pcs	7201061
0-4"	0.001"	+0.0002"	4.0"	With Int. Rods: 4pcs	7201043
0-6"	0.001"	+0.0002"	4.0"	With Int. Rods: 6pcs	7201063

Wireless Data Transfer

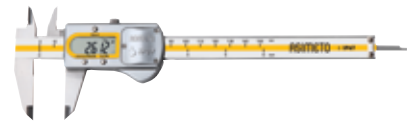
ASIMETO

Used For	Function	Frequency	Code No.
ABS Digital Calipers Digital Micrometers Heavy Duty Digital Calipers	Output	2.4G	7901001
IP65 Digital Indicators	Output	2.4G	7901002
ABS Digital Calipers Digital Micrometers Heavy Duty Digital Calipers IP65 Digital Indicators	Input	2.4G	7901003

IP67 Coolant Proof Digital Calipers

ASIMETO

- Absolute function, there is no need to set the zero
- Hold function for easy reading
- Absolute or incremental measuring modes
- Inch/Metric conversion
- Metal Housing, the design will allow the caliper to be used in normal workshop conditions and is resistant to coolant, water, dust or oil
- Auto power on/off
- Power: 3V lithium battery



Range	Resolution	Accuracy	Code No.
0-6" / 0-150mm	0.0005" / 0.01mm	±0.001"	7305062
0-8" / 0-200mm	0.0005" / 0.01mm	±0.0015"	7305082
0-12" / 0-300mm	0.0005" / 0.01mm	±0.0015"	7305122

IP67 Big Screen Coolant Proof Digital Calipers

ASIMETO

- Absolute function, there is no need to set the zero
- Hold function for easy reading
- Absolute or incremental measuring modes
- Inch/Metric conversion
- Big Screen design allows for very easy reading while also remaining resistant to coolant, water, dust or oil
- Auto power on/off
- Power: 3V lithium battery



Range	Resolution	Accuracy	Code No.
0-6" / 0-150mm	0.0005" / 0.01mm	±0.001"	7305065
0-8" / 0-200mm	0.0005" / 0.01mm	±0.0015"	7305085
0-12" / 0-300mm	0.0005" / 0.01mm	±0.0015"	7305125

IP67 Coolant Proof Digital Calipers — Sylvac

ASIMETO

- Conforms to IP67 rating
- Inch/Metric conversion
- Auto power on/off
- Sylvac system



SWISS MADE

Range	Resolution	Accuracy	Code No.
0-6" / 0-150mm	0.0005" / 0.01mm	±0.001"/0.02mm	7301060

Digital Calipers

ASIMETO

- Large LCD readout
- Inch/Metric conversion
- With thumb wheel



Range	Resolution	Accuracy	Code No.
0-6" / 0-150mm	0.0005" / 0.01mm	±0.001"	7307065
0-8" / 0-200mm	0.0005" / 0.01mm	±0.0015"	7307085
0-12" / 0-300mm	0.0005" / 0.01mm	±0.0015"	7307125

Digital Calipers

STM

- Inside, outside, step and depth measurements
- Inch/Metric conversion
- Auto on, auto shutoff
- 0.0005"/0.01mm resolution
- Zero button



Range (in./mm)	Resolution (in./mm)	Code No.
0-6" / 150mm	0.0005" x 0.01mm	200645
0-8" / 200mm	0.0005" x 0.01mm	200646
0-12" / 300mm	0.0005" x 0.01mm	200647
0-24" / 600mm	0.0005" x 0.01mm	200648**

**no depth gauge

Large Display Digital Calipers

STM

- Large face for easy reading
- Inside, outside, step and depth measurements
- Inch/Metric conversion
- Auto on, auto shutoff
- 0.0005"/0.01mm resolution
- Zero button



Range (in./mm)	Resolution (in./mm)	Code No.
0-6" / 150mm	0.0005" / 0.01mm	200540
0-8" / 200mm	0.0005" / 0.01mm	200541

Absolute Digital Calipers

ASIMETO

- Inch/Metric conversion
- The ZERO/ABS changes the measurement mode from absolute to incremental



Range	Resolution	Accuracy	Code No.
0-6" / 0-150mm	0.0005" / 0.01mm	±0.001"	7307563
0-8" / 0-200mm	0.0005" / 0.01mm	±0.0015"	7307583
0-12" / 0-300mm	0.0005" / 0.01mm	±0.0015"	7307623

Dial Calipers — Stainless Steel

ASIMETO

- Hardened Stainless Steel
- Preloaded dual pinions eliminate backlash and provides better repeatability

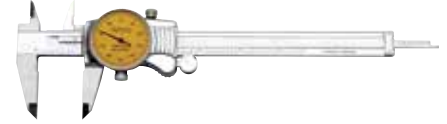


Range	Graduation	Range per Rev	Accuracy	Code No.
0-6"	0.001"	0.100"	±0.001"	7303061
0-8"	0.001"	0.100"	±0.0015"	7303081
0-12"	0.001"	0.100"	±0.0015"	7303121

Dial Calipers — Diecast Aluminum

ASIMETO

- Sturdy Aluminum diecast housing can be used in the harshest of manufacturing environments, including situations with hot steel chips without damage
- The dual pinion mechanism offers ultra smooth feel
- Preloaded pinion offers better repeatability



Range	Grad.	Range per Rev	Accuracy	Code No.
0-6"	0.001"	0.100"	±0.001"	7304065
0-12"	0.001"	0.100"	±0.0015"	7304125

Dial Calipers

STM

- Covered rack
- Accurate to 0.001 per 6"
- Made of Stainless Steel
- Clamp for repetitive setting
- Deluxe case
- 0.100" Revolution



Range	Graduation	Code No.
0-6"	0.001"	200582
0-8"	0.001"	200584
0-12"	0.001"	200586

Vernier Calipers

ASIMETO

- Can measure OD, ID, depth and steps
- Available in Plain, Thumb Clamp and Fine adjustment
- Stainless Steel
- Measuring surfaces allow for the measurement of external diameters, internal diameters, depths, and steps
- Upper and lower scales on the slider are angles to reduce parallax error



Range	Graduation		Accuracy	Code No.	
	Lower	Upper			
Plain Vernier					
0-150mm	0-6"	0.02mm	0.001"	±0.03mm	7341064
Thumb Clamp					
0-150mm	0-6"	0.02mm	0.001"	±0.03mm	7351064

Vernier Calipers With Fine Adjustment

STM

Precision Stainless Steel Vernier Calipers

- Satin chrome finish
- Extra long vernier to insure accuracy
- Made of fully hardened stainless steel throughout
- Jaws designed for outside, inside, and thread measurement
- All measurements can be read directly from vernier scale 1/1000" x 1/20 mm
- Raised sliding surfaces prevent defacement and wear of graduations: clear black engravings



Range (in x mm)	Graduation (in x mm)	Code No.
0-6" x 150mm	1/1000" x 1/20mm	200600

ABS Heavy Duty Digital Calipers

ASIMETO

- Resolution: 0.0005" / 0.01mm
- Designed with fine adjustment to allow precise movement of the slider
- Internal measurement jaws are rounded to provide accurate measurement of internal diameters
- Minimum internal diameter measurement capability of 20mm
- Inch/Metric conversion
- Zero setting at any position
- Without upper jaws



Range	Jaw Length	Accuracy	Code No.
0-12"/0-300mm	90mm	±0.04mm	7315126
0-24"/0-600mm	100mm	±0.05mm	7315246
0-40"/0-1000mm	150mm	±0.10mm	7315406

Heavy Duty Vernier Calipers

ASIMETO

- Graduation:
Lower Scale: 0.001"
Upper Scale: 0.02mm
- Nib style jaws and fine adjustment



Range		Graduation		Accuracy	Jaw Depth	Code No.
Lower	Upper	Lower	Upper			
0-12"	0-300mm	0.001"	0.02mm	±0.0015"	75mm	7311121
0-18"	0-450mm	0.001"	0.02mm	±0.002"	100mm	7311181
0-24"	0-600mm	0.001"	0.02mm	±0.002"	100mm	7311241
0-40"	0-1000mm	0.001"	0.02mm	±0.003"	150mm	7311401
0-60"	0-1500mm	0.001"	0.02mm	±0.004"	200mm	7311601
0-80"	0-2000mm	0.001"	0.02mm	±0.005"	200mm	7311801

Digital Caliper With Adjustable Measuring Jaw

ASIMETO

- Resolution: 0.0005"/0.01mm
- Stationary jaw on the beam is designed with vertical movement for the purpose of measuring various steps of different heights
- Inch/Metric conversion
- Zero setting at any position



Range	Adjustable Jaw Length	Accuracy	Code No.
0-6"/150mm	110mm	±0.0015"/0.04mm	7317060
0-12"/300mm	130mm	±0.0020"/0.05mm	7317120

Digital Indicators

ASIMETO

- Tolerance measurement feature
- Inch/Metric conversion
- The maximum, minimum, or runout value can be displayed during measurement
- Absolute and incremental measuring modes
- SR44 battery
- Flat Back (attached) and Lug Back supplied
- 3/8" stem diameter for inch models and 8mm stem diameter for metric models



Range	Resolution	Accuracy	Code No.
0-0.5"/0-12.5mm	0.00005"/0.001mm	±0.0003"/±0.007mm	7405955
0-0.5"/0-12.5mm	0.0005"/0.01mm	±0.0008"/±0.02mm	7405951
0-1"/0-25mm	0.0005"/0.01mm	±0.0012"/±0.03mm	7405011
0-2"/0-50mm	0.0005"/0.01mm	±0.0012"/±0.02mm	7405021

IP65 Absolute Digital Indicators

ASIMETO

- Absolute or incremental measuring modes
- Tolerance measurement feature allows for the upper and lower tolerance for maximum and minimum
- Inch/Metric conversion
- Flat back (attached) and lug back supplied
- 3/8" stem diameter
- 360 deg. screen rotation
- Cable data output: 7900070
- Wireless data transfer: 7901002



7407013



7407023



Range	Resolution	Accuracy	Code No.
0-0.5"/0-12.5mm	0.0005"/0.01mm	±0.0008"/±0.02mm	7407013
0-1"/0-25mm	0.0005"/0.01mm	±0.0012"/±0.02mm	7407023
0-2"/0-50mm	0.0005"/0.01mm	±0.0012"/±0.02mm	7407033

AGD1 Dial Indicators

- Graduation: Inch: 0.001" Metric: 0.01mm
- Dial face dia. 1.65"
- Jeweled bearings
- Lug Back



ASIMETO

Range	Dial Reading	Range per Rev	Stem Dia.	Code No.
0 - 0.25"	0-100	0.1"	3/8	7401061

Dial Indicators

- Reverse counter
- Stainless steel components
- Rotating bezel with clamp
- Lugback (1/4" hole)
- Interchangeable point
- Conforms to AGD 2 standards



Travel Range	Dial Reading	Grad.	Dial Colour	Code No.
1/2"	0-100"	0.001"	White	200718
1"	0-100"	0.001"	White	200720
1"	0-50"	0.0005"	White	200755
2"	0-100"	0.001"	White	200725

Magnetic Back

For AGD2 series

200722

Holding Bars

- Scaloped design
- Black oxide coating for corrosion resistance



ASIMETO

Shank Dia.	Length	Code No.
1/4 x 1/2	4"	7500213
9mm x 9mm	50mm	7500210
9mm x 9mm	100mm	7500212

AGD2 Dial Indicators

- Dial face dia. 2.20"
- Lug Back
- Easy to read dial face



7402265

7402267

ASIMETO

Range	Grad.	Dial Reading	Range per Rev.	Stem Dia.	Code No.
Inch					
0-0.05"	0.0001"	0-50-0	0.01"	3/8	7402013
0-0.05"	0.0001"	10-0	0.01"	3/8	7402011
0-0.05"	0.0001"	0-5-0	0.01"	3/8	7402015
0-0.25"	0.0005"	0-25-0	0.05"	3/8	7402065
0-0.5"	0.0005"	0-50	0.05"	3/8	7402125
0-1"	0.0005"	0-50	0.05"	3/8	7402265
0-0.25"	0.001"	0-100	0.1"	3/8	7402061
0-0.25"	0.001"	0-50-0	0.1"	3/8	7402063
0-0.5"	0.001"	0-100	0.1"	3/8	7402121
0-0.5"	0.001"	0-50-0	0.1"	3/8	7402123
0-1"	0.001"	0-100	0.1"	3/8	7402261
0-1"	0.001"	0-50-0	0.1"	3/8	7402263
0-2"	0.001"	0-100	0.1"	3/8	7402511
Metric					
0-10mm	0.01mm	0-100	1mm	3/8	7402101
0-25mm	0.01mm	0-50-0	1mm	3/8	7402253
IP54 Water Proof					
0-0.4"	0.001"	0-100	0.1"	3/8	7402267
0-0.4"	0.0005"	0-50	0.05"	3/8	7402269

Test Indicators and Sets

- Available in bezel or dial
- Contact point adjustable through 230°
- Fully jeweled movement
- Extremely light contact pressure
- Clear, easy to read, white face
- Dovetails on top and back for all-around positioning
- Sets include 5/32" and 3/8" mounting shanks and 3/8" bar



Dial Dia. (in.)	Grad. (in.)	Range (in.)	Reading (in.)	Point Length (in.)	Code No.
1.250"	0.0005"	0.030"	0-15-0	0.700"	200730

Test Indicators

- Jeweled bearings
- Inch units come with 3/8" & 8mm dovetail stems
- Easy to read yellow face
- 32mm and 40mm face diameters available



Vertical

Full Set

Carbide tipped point
DIA. ϕ 2mm

Steel point
DIA. ϕ 1mm

Stem Dia.
Metric 4mm
Inch 0.157"

Holding Bar
Metric 9x9x100mm
Inch 0.25"x0.5"x4"

Swivel Clamp
Metric for ϕ 4mm, & ϕ 8mm Dia.
Inch for 3/8", & 0.157" Dia.

Base Set

Stem Dia.
Metric ϕ 8mm
Inch ϕ 3/8"

Knurled
Clamping Ring

Wrench

Horizontal

Grad.	Range	Dial Reading	Accuracy	Type	Code No.
Inch					
0.0001"	0.008"	0-4-0	\pm 0.0001"	Horizontal	7501783
0.0001"	0.008"	0-4-0	\pm 0.0001"	Vertical	7501785
0.0005"	0.03"	0-15-0	\pm 0.0005"	Horizontal	7501733
0.0005"	0.03"	0-15-0	\pm 0.0005"	Vertical	7501735
0.0005"	0.03"	0-15-0	\pm 0.0005"	Horizontal/Long Point (1.25")	7501736
Inch Sets					
0.0001"	0.008"	0-4-0	\pm 0.0001"	Horizontal	7501787
0.0005"	0.03"	0-15-0	\pm 0.0005"	Horizontal	7501738

Extended Range Dial Test Indicators

ASIMETO

- Jeweled bearing design and resistant to magnetic fields
- Stem diameter: Inch: 3/8", Metric: 8mm
- Carbide contact point swivels 210°



Range	Graduation	Dial Reading	Accuracy	Type	Code No.
0.060"	0.001"	0-15-0	±0.0012"	Horizontal w/ 30mm dial	7503061
0.060"	0.0005"	0-15-0	±0.0012"	Horizontal w/ 30mm dial	7503561
0.060"	0.0005"	0-15-0	±0.0012"	Horizontal w/ 38mm dial	7504561
0.060"	0.001"	0-15-0	±0.0012"	Vertical w/ 30mm dial	7503063
0.060"	0.0005"	0-15-0	±0.0012"	Vertical w/ 30mm dial	7503563
0.060"	0.0005"	0-15-0	±0.0012"	Vertical w/ 38mm dial	7504563

Centering Indicators

ASIMETO

- Operating speed not to exceed 800rpm
- Range: Internal: 5/32" - 12"
External: Up to 12"
- Includes: 6pc feeler set, centre locating feeler



Dial Range	Graduation	Accuracy	Stem Dia.	Code No.
0-0.15"	0.0005"	±0.0002"	0.375"	7469008

Parts

Description	Length	Capacity	Code No.
ID Feeler	2"/50mm	4"/100mm	7469012
ID Feeler	4"/100mm	8"/200mm	7469013
ID Feeler	6"/150mm	12"/300mm	7469014
OD Feeler	2"/50mm	4"/100mm	7469015
OD Feeler	4"/100mm	8"/200mm	7469016
OD Feeler	6"/150mm	12"/300mm	7469017
Centre Locating Feeler			7469018
Feeling Rod			7469019

Extended Range Dial Test Indicator Sets #1

ASIMETO

- Double the range of most indicators
- Jeweled movement
- Calibration certificate, instruction manual, warranty card, indicator, wrench
- Height gauge bar with swivel clamp w/ 5/32", 7/32", 1/4" holes

- Axial support with 3/8" stem and dovetail
- Reduction sleeve 3/8" to 5/32"
- Two dovetail stems, 3/8" and 5/32"
- Three contact points: 0.4" (hardened steel), 0.08", 0.12" (Tungsten Carbide) x 5/8" long



Range	Graduation	Accuracy	Dial Dia.	Indicator	Code No.
0.060"	0.0005"	±0.0012"	38mm	Horizontal (7504561)	7504811
0.060"	0.0005"	±0.0012"	30mm	Horizontal (7503561)	7504813
0.060"	0.001"	±0.0012"	30mm	Horizontal (7503061)	7504815

Extended Range Dial Test Indicator Sets #2

ASIMETO

- Double the range of most indicators
- Jeweled movement
- Calibration certificate, instruction manual, warranty card, indicator, wrench
- Xtra-Mag magnetic base with 2 universal ball sockets

- Micro-fine adjustment screw
- 3-9/16" extension arm
- Two dovetail stems, 3/8" and 5/32"
- Three contact points: 0.4" (hardened steel), 0.08", 0.12" (Tungsten Carbide) x 5/8" long



Range	Graduation	Accuracy	Dial Dia.	Indicator	Code No.
0.060"	0.0005"	±0.0012"	38mm	Horizontal (7504561)	7504821

Dovetail Stem Sets

ASIMETO

- Includes stem and knurled clamping ring
- Used in conjunction with a magnetic base clamp to mount a test indicator with a dovetail



Size	Code No.
3/8"	7500311
5/32"	7500313

Swivel Clamp

- Used to mount an indicator via either a dovetail stem or directly by a dovetail
- Clamps directly onto the main post of a magnetic base



ASIMETO

Description	Code No.
For 3/8" & 5/32" Dia. Dovetail Stems	7500251
For 8mm & 6mm Dia. Dovetail Stems	7500252

Centering Holders

- Allows large diameter cylinder or holes to be centered



ASIMETO

Description	Code No.
8mm Dia. Stem	7500350
0.25" Dia. Stem	7500351

Half Round Combination Holder

- Two-point adjustment
- 1/4" shank
- For dovetail and 5/32" stem indicators



STM

Description	Code No.
Half Round Combination Holder	200816

Test Indicator Points

- Carbide, Steel, or Ruby ball



ASIMETO

Ball Dia.	Tip Length	Ind. Range/Resolution	Code No.
Carbide Ball			
2mm	16.2mm	0.03"/0.0005"	7500622
3mm	16.7mm	0.03"/0.0005"	7500632
3mm	16.7mm	0.008"/0.0001"	7500732
2mm	21.8mm	0.06"/0.0005"	7500822
3mm	22.3mm	0.06"/0.0005"	7500832
2mm	16.2mm	0.2mm/0.002mm	7500722
Steel Ball			
1mm	15.9mm	0.03"/0.0005"	7500611
2mm	16.2mm	0.03"/0.0005"	7500621
3mm	16.7mm	0.03"/0.0005"	7500631
3mm	16.7mm	0.008"/0.0001"	7500731
1mm	21.3mm	0.06"/0.0005"	7500811
2mm	21.8mm	0.06"/0.0005"	7500821
3mm	22.3mm	0.06"/0.0005"	7500831
Ruby Ball			
2mm	16.2mm	0.03"/0.0005"	7500623
2mm	21.8mm	0.06"/0.0005"	7500823

Straight Metric Indicator Stem Bushing

- Accepts 8mm stem, converts to 3/8" diameter stem
- Straight bushing, no head
- 0.500" length
- Brass, Nickel Plated



ASIMETO

Description	Code No.
Straight Metric Indicator Stem Bushing	7500320

Select-A-Point Kit

The most useful accessory kit for all dial indicators - a complete set of 22 different points, increasing the versatility of your indicators.

- Fits all AGD 1, 2, 3, 4 drop style indicators, 4-48 threads



STM

Description	Code No.
Select-A-Point Kit	200820

Articulating Arm Magnetic Bases

- Accepts test indicators with dovetail clamping mechanism
- Dial gauges can be held by the 3/8" or 8mm diameter stem or by the lug backing plate
- Arm has 3 articulating joints that can be locked with the single hand knob
- The rotary knob switches natural magnet on or off
- The precision surfaces and the bottom V are securely fastened to the ferrous workpiece or machine table when the rotary knob is in the on position
- Slot: 6.5mm
- Working Angle 150°
- 7602011 does not have fine adjustment

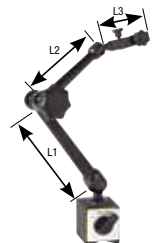


7602021

Magnetic Power	Magnetic Base (L x W x H)	Height	Code No.
30 kg	36 x 30 x 35mm	195mm	7602011
80 kg	60 x 50 x 55mm	350mm	7602021
80 kg	60 x 50 x 55mm	440mm	7602031
130 kg	117 x 50 x 55mm	690mm	7602051

Dimensional Data

L1	L2	L3
65mm	55mm	60mm
120mm	105mm	60mm
160mm	140mm	75mm
345mm	230mm	60mm



Hydraulic Magnetic Base

ASIMETO

- Accepts test indicators with dovetail clamping mechanism
- Dial gauges can be held by the 3/8" or 8mm diameter stem or by the lug backing plate
- The rotary knob switches natural magnet on or off
- The precision surfaces and the bottom V are securely fastened to the ferrous workpiece or machine table when the rotary knob is in the on position
- Working Angle 150°



Magnetic Power	Magnetic Base (L x W x H)	Height	Code No.
80 kg	60 x 50 x 55mm	385mm	7603010

Permanent Magnetic Base

ASIMETO

- With permanent magnetic base, without On/Off switch
- Dovetail groove included



Magnetic Power	Main Body	Main Stem Length	Dia. of Hole	Slot	Code No.
17 kg	Ø30 x 25mm	85mm	Ø6mm	6mm	7601120

Standard Magnetic Bases

ASIMETO

- For Indicators with 3/8 stems and or Lug backs with 1/4 hole diameter
- On/Off switch
- 132 lbf Magnetic pull



Model	Pull Action	Code No.
With 6" Rod and Universal clamp	132 lbf	7601011
With 6" Adjustable Rod / Fine Adjustment	132 lbf	7601021

Standard Magnetic Bases

ASIMETO

Base only with M8 threaded hole for uses limited only by your imagination.



Magnetic Power	Magnetic Base (L x W x H)	Female Thread	Code No.
60 kg	60 x 50 x 55mm	M8	7600011
80 kg	60 x 50 x 55mm (metal switch)	M8	7600012

STM Magnetic Bases

STM



Standard Model BA-1 Code No.	Fine Adj. Model BA-1F Code No.
225705	225700

Universal Magnetic Indicator Holder

STM

- Two universal ball sockets permit adjustment to any angle or position
- Fine adjustment
- Dovetail clamp for test indicators
- 1/4" hole for 1/4" stem indicators



Description	Code No.
Universal magnetic indicator holder	200825

Single Action Dial Gauge Holder

STM

Articulated arm style magnetic base positions and locks easily; includes ON/OFF switch and central locking knob. One knob mechanically tightens both arms. Dial gauge holder includes fine adjustment and full 360° swivel.



Description	Code No.
Dial gauge holder	200875

Universal Surface Gauges

STM

Fully hardened and ground base serves as an accurate reference surface. Machined Vee groove in the base allows the gauge to be used conveniently on curved surfaces.



Base Dim. (in.)	Spindle Length (in.)	Scriber Length (in.)	Model No.	Code No.
2-3/16 x 1-5/8	7" with extra 4" spindle	3	SG/4-7	231246
3-1/8 x 2-1/2	12" with extra 9" spindle	7	SG/9-12	231248

Digital Interchangeable Rod Type Depth Gauges

ASIMETO

- The total measuring range is accomplished with threaded depth rods in 1"
- The base surface is precisely finished and hardened for accurate repeatable measurements
- Inch/Metric conversion
- Stroke 12.7mm
- Includes 10 rods



Range	Resolution	Accuracy	Base Length	Code No.
0-4"/100mm	0.0005"/0.01mm	±0.001"/0.02mm	63x17mm	7475040

Absolute Digital Depth Calipers

ASIMETO

- Extra large LCD readout
- Inch/Metric conversion
- Precision ground measuring surfaces



Range	Resolution	Accuracy	Code No.
0-6" / 0-150mm	0.0005" / 0.01mm	±0.001"	7327067
0-8" / 0-200mm	0.0005" / 0.01mm	±0.0015"	7327087
0-12" / 0-300mm	0.0005" / 0.01mm	±0.0015"	7327127

Absolute Digital Depth Calipers With Single Hook

ASIMETO

- Stationary measuring surface on the beam protrudes at right angles (hook) to allow for measurement of depths, internal groove positions, and other intricate measurements
- All measuring surfaces are hardened



Range	Resolution	Accuracy	Code No.
0-6" / 0-150mm	0.0005" / 0.01mm	±0.001"/0.02mm	7322067
0-8" / 0-200mm	0.0005" / 0.01mm	±0.0015"/0.03mm	7322087
0-12" / 0-300mm	0.0005" / 0.01mm	±0.0015"/0.04mm	7322127

Dial Interchangeable Rod Type Depth Gauges

ASIMETO

- The total measuring range is accomplished with threaded depth rods in 1"
- The base surface is precisely finished and hardened for accurate repeatable measurements
- Stroke 1"
- Includes 4 rods



Range	Graduation	Accuracy	Base Length	Code No.
0-4"	0.001"	±0.002"	2.5"x0.63"	7473041
0-4"	0.001"	±0.002"	4"x0.63"	7473043

Digital Tire Depth Gauge

ASIMETO

- The origin point is retained throughout the life of the battery
- Inch/Metric conversion
- Spherical end anvil



Range	Resolution	Accuracy	Base Length	Code No.
0-1.2"/0-30mm	0.0005"/0.01mm	±0.0015"/0.03mm	60mm	7321010

Digital Bore Gauges

ASIMETO

- Resolution: 0.00005"
- Dynamic carbide contact point
- 0.24-0.4" range is with fixed anvils
- 0.4-0.7" range is with plate guide and fixed anvils
- 0.7-1.4" range is with canister and fixed anvils
- Over 1.4" range is with wheel guide and inserting anvils



Range	No. Anvils	No. Spacers	No. Sub-anvils	Probe Depth	Code No.
0.24-0.4"	9	-	-	2"	7485111
0.4-0.7"	9	1	-	4"	7485121
0.7-1.4"	10	2	-	4"	7485211
1.4-2.4"	6	3	-	6"	7485221
2-6"	11	3	1	6"	7485311
6-10"	6	5	1	16"	7485321
10-16"	6	5	2	16"	7485331

Dial Bore Gauges

ASIMETO

- Graduation: 0.0001" / 0.01mm
- Fixed measuring points made of steel
- Movable probe pin with carbide ball



Range	No. Anvils	No. Spacers	No. Sub-Anvils	Probe Depth	Code No.
Inch					
0.24"-0.4"	9 pcs	-	-	2"	7483111
0.4"-0.7"	9 pcs	1	-	4"	7483121
0.7"-1.5"	10 pcs	2	-	6"	7483211
1.4"-2.4"	6 pcs	4	-	6"	7483221
2.0"-6.0"	11 pcs	4	1	6"	7483311
6.0"-10.0"	6 pcs	6	1	10"	7483321
10.0"-16.0"	6 pcs	6	2	16"	7483331

Note: For 0.0005" Graduation Purchase Code # 7402065 Dial Indicator

Single Beam Digital Height Gauges With Hand Wheel

ASIMETO

- Large LCD display
- Hand wheel design for fine adjustment
- Inch/Metric conversion
- Carbide tipped scriber
- Zero setting on any position



Range	Resolution	Accuracy	Code No.
0-12" / 0-300mm	0.0005" / 0.01mm	±0.0015"/0.04mm	7626120
0-18" / 0-450mm	0.0005" / 0.01mm	±0.0015"/0.04mm	7626180
0-24" / 0-600mm	0.0005" / 0.01mm	±0.0020"/0.05mm	7626240

Digital Height Gauges

ASIMETO

- Fine adjustment
- Easy to read large LCD display
- Inch/Metric conversion
- Origin memory eliminates the need to zero the reading each time the height gauge is turned on
- The base is designed with a thermal heat isolation hand grip



Range	Resolution	Accuracy	Code No.
0-12"/0-300mm	0.0005"/0.01mm	±0.0015"	7625120
0-24"/0-600mm	0.0005"/0.01mm	±0.0020"	7625240

Double Beam Digital Height Gauges w/ Hand Wheel

ASIMETO

- Large LCD display
- Hand wheel design for fine adjustment
- Inch/Metric conversion
- Carbide tipped scriber
- Zero setting on any position



Range	Resolution	Accuracy	Code No.
0-12" / 0-300mm	0.001" / 0.01mm	±0.0015"/0.04mm	7627120
0-18" / 0-450mm	0.001" / 0.01mm	±0.0015"/0.04mm	7627180
0-24" / 0-600mm	0.001" / 0.01mm	±0.0020"/0.05mm	7627240

Double Beam Digit Counter Height Gauges

ASIMETO

- Graduation: 0.001"
- Dial and digit counter reading
- Hand wheel for easier travel
- Carbide tipped scriber
- The digit counter provides bi-directional positioning and the capability of setting zero at any position



Range	Dial Grad.	Counter Grad.	Accuracy	Code No.
0-12"	0.001"	0.1" (Dual Reading)	±0.0015"	7623121
0-18"	0.001"	0.1" (Dual Reading)	±0.002"	7623181
0-24"	0.001"	0.1" (Dual Reading)	±0.002"	7623241

Vernier Height Gauges

ASIMETO

- Fine adjustment for easy setting
- Satin chrome finish
- Carbide tipped scriber



Range	Grad.	Accuracy	Code No.
0-12"/0-300mm	1/128"/0.05mm	±0.0015"	7621120
0-24"/0-600mm	1/128"/0.05mm	±0.002"	7621240

Black Granite Surface Plates 0-Ledge



Imported Precision Toolroom Black Granite Surface Plates

These plates are made of the highest quality – True Black – Fine Grained – Non-porous – Jewel Hardness – Granite available to give years of long lasting service.



Specifications:
Compressive Strength 7329 lbs. / in²
Water Absorptivity 0.13%

Size (in.)	Thickness (in.)	Shipping Weight (lb)	(±)	Code No.
Grade B-Tool Room- No Ledge				
9 x 12"	3"	40	±0.0001	255100
12 x 18"	3"	110	±0.0001	255105
18 x 24"	4"	189	±0.00015	255110
24 x 36"	4"	475	±0.0002	255115
36 x 48"	6"	1427	±0.0004	255120
Grade A-Inspection				
12 x 18"	3"	110	±0.000050	255130
18 x 24"	3"	145	±0.000075	255135
24 x 36"	4"	475	±0.0001	255140

Steel Surface Plate Stands



- Fabricated from 2" x 2" 1/4" thick angle iron, welded together for extra strength—easily support more than twice the weight of the surface plate
- No assembly required; ready to use
- Gray enamel finish
- For exact height, add stand height listed in chart to surface plate thickness
- Made in Canada



Plate Size (in.)	Weight (lb)	Stand Height (in.)	Code No.
12 x 18"	80"	33"	255200
18 x 24"	95"	33"	255205
24 x 36"	125"	32"	255210
36 x 48"	175"	30"	255215
48 x 72"	300"	28"	255220

Radius Gauges

- Satin Finish Stainless Steel
- No. L.300 Series



Model No.	Specifications	Code No.
L 300 CX	1/64-17/64 x 64ths 9/32-1/2 x 32nds	225005
L 300 MX	0.5mm-13mm x 0.5mm	225010

Radius Gauges

- Size is marked on each gauge leaf
- Gauge profiles have both convex and concave radii



ASIMETO

Range	Qty	Composition	Notes	Code No.
1/32-17/64"	16 pairs	1/32-17/64 x 64ths	90° arc	7605401
1/32-1/4"	15 pairs	1/32-1/4 x 64ths	180° arc	7605411
1/64-1/2"	25 pairs	1/64-17/64 x 64ths, 9/32-1/2x3nd	-	7605441

No. 272 Fillet or Radius Gauges



Model No.	Specifications	Code No.
272A	1/32-17/64 x 64ths	225230

Feeler Gauge

- 26 tapered leaf thickness gauges
- 3" long



Range (in.)	Code No.
0.0015 to 0.025"	606050

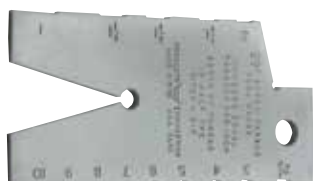
Centre Gauges

- Satin-chrome finish
- American National Standard



Model	Description	Code No.
5031	U.S. Standard, 60°	225410
5032	Metric Standard, 60°	225415

Acme Gauge



Description	Code No.
1-10 TPI (29°)	225450

Telescoping Gauges

- Plunger is spring loaded and expands within the bore, allowing measurement of the internal diameter



ASIMETO

Range	Depth	Model	Code No.
0.315"-0.500"	4.2"	A	7487011
0.500"-0.748"	4.4"	B	7487021
0.748"-1.26"	4.4"	C	7487031
1.26"-2.126"	5.85"	D	7487041
2.126"-3.54"	5.85"	E	7487051
3.54"-5.90"	5.85"	F	7487061
0.315-5.90" Set of 6		A, B, C, D, E, F	7487869
0.315"-0.500"	12"		7487013
0.500"-0.748"	12"		7487023
0.748"-1.26"	12"		7487033
1.26"-2.126"	12"		7487043
2.126"-3.54"	12"		7487053
3.54"-5.90"	12"		7487063

Telescoping Gauge Set

- Plunger is spring loaded and expands within the bore, allowing measurement of the internal diameter



Sizes Consisting of:	Code No.
5/16-1/2, 1/2-3/4, 3/4-1-1/4, 1-1/4-2-1/8, 2-1/8-3-1/2, 3-1/2-6	200710

Screw Pitch Gauges

- With locking devices

Inch range of pitches:

- 4, 4-1/2, 5, 5-1/2, 6, 7, 8, 9, 10, 11, 11-1/2, 12, 13, 14, 15, 16, 18, 20, 22, 24, 26, 27, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82 and 84

Metric range of pitches:

- 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 1, 1.10, 1.20, 1.25, 1.30, 1.40, 1.50, 1.60, 1.70, 1.75, 1.80, 1.90, 2, 2.50, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7mm



Model No.	No. of Leaves	Ranges of Pitch	Code No.
5651	51	4 to 84	225315
156m	28	0.25 to 2.50 mm	225320
5628	28	4 to 80	225325
5617	18	0.5 to 7.00mm and 60° angle gauge	225330
5629	28	4 to 56 0.5-6.0mm	225335

Thread Pitch Gauges

- Each individual gauge is stamped with the thread pitch size



ASIMETO

Metric Screw Pitch Gauges (60°)

Range	No. of Leaves	Composition of Leaves	Code No.
0.25-2.5mm	28	0.25 - 0.90mm by 0.05mm, 1 - 2mm x 0.1mm step, Plus 1.25, 1.75, 2.5mm	7605500
0.35-6mm	22	0.35, 0.4, 0.45, 0.5, 0.6, 0.7, 0.75, 0.8, 1, 1.25, 1.5, 1.75, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6mm, and 60° angle gauge	7605510
0.4-7mm	21	0.4, 0.5, 0.7, 0.75, 0.8, 0.9, 1, 1.25, 1.5, 1.75, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7mm	7605520
0.4-7mm	18	0.4, 0.5, 0.75, 1, 1.25, 1.5, 1.75, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7mm	7605530

Unified Screw Pitch Gauges (60°)

Range	No. of Leaves	Composition of Leaves	Code No.
4-42 TPI	30	4, 4-1/2, 5, 5-1/2, 6, 7, 8, 9, 10, 11, 11-1/2, 12, 13, 14, 15, 16, 18, 20, 22, 24, 26, 27, 28, 30, 32, 34, 36, 38, 40, 42 TPI	7605502
4-84 TPI	51	4, 4-1/2, 5, 5-1/2, 6, 7, 8, 9, 10, 11, 11-1/2, 12, 13, 14, 15, 16, 18, 20, 22, 24, 26, 27, 28, 30 - 84 by 2, TPI	7605512

Metric and Unified Screw Pitch Gauges (60°)

Range	No. of Leaves	Composition of Leaves	Code No.
0.4-7mm 4-42 TPI	51	7605520 and 7605502	7605508

Thread Measuring Wire Set

- 48 wires - 16 different sizes
- Measures all threads from 3 - 48 threads per inch
- Measures all metric threads from 0.5mm to 6mm
- Also measures ACME threads
- Laminated chart included



ASIMETO

Description	Code No.
Thread Wire Set	7697300

1-60 Drill/Machine Screw Tap Gauge



- Made of high quality steel, satin chrome finish
- Tells at a glance the correct size tap drill for machine screw tap in "NF" National Fine or "NC" National Coarse thread series
- Shows the correct body size drill to use, 60 sizes shown with number and decimal equivalent of drill at each hole

STM

Model No.	Description	Code No.
5051	1-60 Drill/Machine Screw Tap Gauge	606314

1/16 - 1/2 Drill Gauge



- Made of high quality steel, satin chrome finish
- Gauge has 29 measuring holes for determining twist drill sizes from 1/16" to 1/2" in 1/64" increments
- Shows drill sizes in inches and decimal equivalents

STM

Model No.	Description	Code No.
5052	1/16-1/2 Drill Gauge	606316

A-Z Drill Gauge



- Made of high quality steel, satin chrome finish
- Used to select or check drill sizes from "A" to "Z"
- Each gauge hole is marked by letter and its decimal equivalent from 0.234 inch diameter through 0.413 inch diameter

STM

Model No.	Description	Code No.
5053	A-Z Drill Gauge	606318

Rigid and Flexible Scales

STM



Size (in.)	Type	Graduation	Code No.
6	Flex	4R 1/8, 1/16, 1/32, 1/64"	606001
6	Flex	3R 1/32, 1/64, 1/10, 1/50"	606012
6	Flex	- 1/32, 1/64, 0.5mm, 1mm	606015
6	Rigid	4R 1/8, 1/16, 1/32, 1/64"	606017
12	Flex	4R 1/8, 1/16, 1/32, 1/64"	606002
12	Flex	3R 1/32, 1/64, 1/10, 1/50"	606013
12	Flex	- 1/32, 1/64, 0.5mm, 1mm	606016
12	Rigid	- 1/32, 1/64, 0.5mm, 1mm	606033
12	Rigid	4R 1/8, 1/16, 1/32, 1/64"	606018
24	Flex	3R 1/32, 1/64, 1/10, 1/50"	606014

Narrow Rules & Depth Gauge Rules

STM



Model No.	Description	Graduations	Code No.
7305-006	6" with clip	32nds one face, 64ths other face	606156
7305-012	12" with clip	32nds one face, 64ths other face	606158
7305-006	6" without clip	32nds one face, 64ths other face	606160
7305-012	12" without clip	32nds one face, 64ths other face	606162
7305-M06	6" with clip	32nds one face, 0.5 mm other face	606164
7305-M12	12" with clip	32nds one face, 0.5 mm other face	606166
7305-M06	6" without clip	32nds one face, 0.5 mm other face	606168
7305-M12	12" without clip	32nds one face, 0.5 mm other face	606170
7305-M15	150 mm with clip	mm one face, 0.5 mm other face	606172
7305-M30	300 mm with clip	mm one face, 0.5 mm other face	606174
7305-M15	150 mm without clip	mm one face, 0.5 mm other face	606176
7305-M30	300 mm without clip	mm one face, 0.5 mm other face	606178

Specialty Rules — Round End

STM



Model No.	Description	Graduations	Code No.
7202-SS6	6" flex, not plated, round end rule with clip Decimal equivalent chart on back	32nds, 64ths	606180
7203-SS6	6" flex, not plated, round end rule with clip Metric equivalent chart on back	mm, 64ths	606182
7202-C06	6" flex, chrome plated, round end rule with clip Decimal equivalent chart on back	32nds, 64ths	606184
7203-C06	6" flex, chrome plated, round end rule with clip Metric equivalent chart on back	mm, 64ths	606186

6" Pocket Rule

ASIMETO

- Stainless steel, hardened and tempered
- Includes removable pocket clip



Size	Code No.
6"	7606009

12" Combination Square Set

ASIMETO

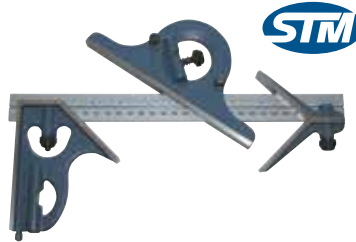
- Graduation: Protractor: 1°
Blade: 64ths, 32nds, 1mm, 0.5mm (E/M)
8ths, 16ths, 32nds, 64ths (4R)
- Blade is hardened and tempered
- Heads are hardened cast finish in baked enamel
- 45° Centre Gauge



Description	Blade Length	Code No.
4pc Set (With E/M rule)	12"/300mm	7490208
4pc Set (With 4R rule)	12"/300mm	7490218
Parts		
12" 4R Stainless Steel Rule		7490210
12"/300mm E/M Stainless Steel Rule		7910051
45° Centre Gauge		7490250
Dial Scale Protractor Head		7490260
Square Head		7490270
Lock Nut		7490220

Combination Set

- Used for layout, set-up, checking heights, depths and setting angles
- Square head, centre head and reversible protractor head
- Hardened cast iron heads



Blade for Combination Set

Graduation	Length of Rule	Code No.
1/32, 1/64, 0.5 mm, 1 mm	12"	220850
Rules for Combination Set		
1/32, 1/64, 0.5 mm, 1 mm	12"	606044
1/8, 1/16, 1/32, 1/64	24"	606046
Locking Assembly		220851

Centre Finder

- Satin chrome finish
- Accurately and quickly locates centre on round workpieces
- Place tool in drill chuck or collet and line up pointer with line scribed on shaft



Model No.	Size (in.)	Code No.
4200-100	Centre finder	606340

Depth & Angle Gauge

The ability to measure depths and angles is combined in this versatile tool. The head is made from selected steel and has an attractive black finish. It is graduated both left and right to 15°, 30° and 45° and the rule can be set to any of these angles. A 6" (150mm) steel rule is fitted to the head and can be locked in final position for depth or angular measurements by a knurled nut.



Rule Length	Code No.
6"	231274

Bore Gauges (Taper Gauges)

STM

Manufactured from stainless steel, these have permanently engraved graduations. Accurate taper throughout the length of the gauge. Available with imperial or metric graduations.



Range	Model No.	Code No.
1/32"-5/8"	DG/1-15	231276
1-16mm	BG/1-15	231277

Edge & Centre Finders

STM

Edge and Centre Finders are time saving positioning tools for use on jig boring, milling machines etc. These are used for accurate locating work edges, shoulders, grooves, centre points and scribed lines.



Model	Tip Dia.	Shank Dia.	Code No.
Centre Finder			
EF/3		1/2"	231302
EF/9		3/8"	231304
Combination Edge & Centre Finder			
EF/6	0.200"	3/8"	231306
EF/5	0.200"	1/2"	231308
Edge Finder			
EF/1	0.200"	3/8"	231310
EF/4	0.200"	1/2"	231312
EF/11	10mm	3/8"	231314
EF/8	1/2"	1/2"	231316
Double Edge Finder			
EF/7	0.200"	1/2"	231318

Wiggler or Centre Finder

Comes with four interchangeable attachments. They can be snapped onto the chuck without removing the collet. Spring tension on the ball of the pointer.



Description	Code No.
Centre Finder complete with 4 attachments	WCF/WZ-6 231300

Digital Protractors — Level Type

ASIMETO

- This protractor provides an immediate digital reading of any angle in a full circle with 0°-90°-0°-90°-0° readings
- ABS/ZERO button allows two measuring modes, Standard and Alternate Reference
- Four 90° quadrants for display purposes
- HOLD button for freezing a reading in an unreadable position
- V-grooves on top and bottom for use on curved surfaces
- 7490162 comes with a magnetic bottom for easy fixing



Range	Resolution	Accuracy	Code No.
360°	0.1°	±0.1°	7490160
360°	0.1°	±0.1°	7490162

STM Universal Bevel Protractor



- Base available for setting up jobs on surface plates, milling machines, etc.
- Dial face and vernier are finished in satin chrome to insure easy reading
- Vernier reading in 5 minutes of the arc
- Blades is fastened by a knurled thumb lock which can be set at any desired point
- An angle attachment for acute angle measuring is also available
- Blade slides full length
- Fine adjustment knob for measuring or setting of minute angles
- Protractor dial is graduated over 360° (in 0° to 90° sectors) and rotates around the full circle
- Hardened stainless steel, rust and wear resistant for long life
- With magnifier glass for easy and faster reading
- Protractor accepts both 6" and 12" blade
- Positive rigid locking clamps
- Includes fitted case

Description	Blade Size	Code No.
Protractor head with magnifier lens	6 and 12	205610
Magnifier	-	205645

Degree Protractors

This stainless steel protractor comes with either a semi-circular or a rectangular head. The head has permanently deep etched graduations, 0 to 180° in opposite directions thus permitting reading an angle directly and also its supplement. The 6" (150 mm) blade has a graduation line on one end that permits accurate setting and reading of angles.

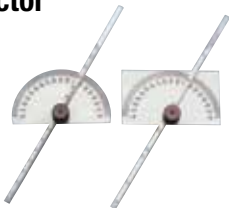


Type	Code No.
Round	231266
Rectangular	231268

Depth Gauge with Protractor

A versatile tool, the Depth Gauge with Protractor allows for measurement of both angles and depths.

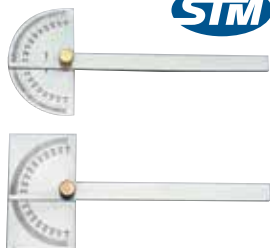
- Stainless steel
- Graduations: 0-180° in opposite directions
- 6" (150 mm) steel rule



Type	Code No.
Round	231270
Rectangular	231272

Protractors

- Measures angles from 0-180°
- Used for drawing radial lines, transferring angles and setting bevels
- Head measures 3-5/16" x 2"
- Features 6" arm and knurled thumb lock nut
- Blade secured firmly by lock nut at any angle
- Made of tempered steel with satin chrome finish



Model No.	Style	Description	Code No.
5170	Rectangle	Supplied with 6" arm	606150
5180	Semi-Circle	Supplied with 6" arm	606152
5190	Rectangle	With 6" graduated rule	606154

Spring Calipers & Dividers



- Styles include solid nut or quick nut
- Spring joint for precision settings
- Legs pivot on a roller
- Legs tensioned by bow spring



Model No.	USA Solid Nut Code No.	STM Solid Nut Code No.	Model No.	STM Quick Nut Code No.
Inside Calipers				
ID/3		231148	ID/Q-3	231160
ID/4		231150	ID/Q-4	231162
ID/6	606105	231152	ID/Q-6	231164
ID/8		231154	ID/Q-8	231166
ID/10		231156	ID/Q-10	231168
ID/12		231158	ID/Q-12	231170
Outside Calipers				
OD/3		231172	OD/Q-3	231184
OD/4		231174	OD/Q-4	231186
OD/6	606110	231176	OD/Q-6	231188
OD/8		231178	OD/Q-8	231190
OD/10		231180	OD/Q-10	231192
OD/12		231182	OD/Q-12	231194
Spring Dividers				
DD/3		231196	DD/Q-3	231208
DD/4		231198	DD/Q-4	231210
DD/6	606100	231200	DD/Q-6	231212
DD/8		231202	DD/Q-8	231214
DD/10		231204	DD/Q-10	231216
DD/12		231206	DD/Q-12	231218

Jenny Calipers — Hermaphrodite Calipers

Manufactured from selected steel, the legs are exceptionally rugged and well finished. The leg that holds the adjustable point is offset. The locating lug is incorporated in the straight leg.



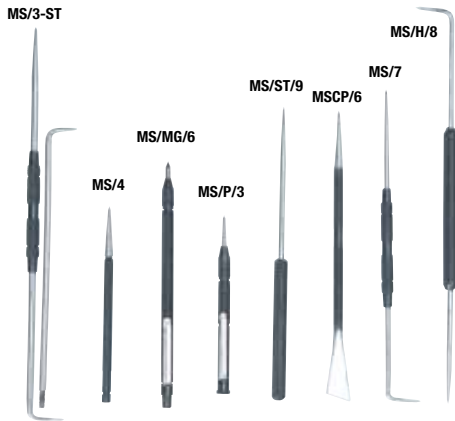
Size (in.)	Model No.	Code No.
6"	JC/6	231244

STM Pen Scriber



Description	Code No.
STM Pen Scriber c/w carbide point	201060
Replacement carbide point	201065

Scribers



MS/3-ST - 3 interchangeable threaded points, short straight, short bent and long bent

MS/4 - Single ended light duty

MS/MG/6 - Tungsten carbide tip for marking on hard materials. Permanent magnet on the other end for picking up small metal parts

MS/P/3 - Scriber point is held by a knurled chuck and can be reversed when not in use

MS/ST/9 - Single ended heavy duty

MSCP/6 - Double ended – combining a needle point with a chisel end

MS/7 - Double ended with one straight point and one point bent at 90°

MS/H/8 - Double ended heavy duty with one straight point, the other bent at 90°

Overall Length	Model No.	Code No.
9 & 12"	MS/3-ST	231250
4-1/2"	MS/4	231252
6"	MS/MG/6	231254
3-1/2"	MS/P/3	231256
7"	MS/ST/9	231258
6-3/4"	MSCP/6	231260
7-1/2"	MS/7	231262
9-3/16"	MS/H/8	231264

Engineer's Tool Sets



ETS/1

Contains: Inside Caliper 4", Outside Caliper 4", Screw Cutting Gauge, Steel Rule 6", Pocket Scriber 3-1/2", and Centre Punch 5/32"

ETS/2

Contains: Engineer's Precision Square 4", Jenny Caliper 6", Steel Rule 6", Double Ended Scriber 7-1/2", Centre Punch 5/32", Adjustable Tap and Reamer Wrench, and Spring Divider 4"



ETS/1



ETS/2

Model No.	Code No.
ETS/1	231278
ETS/2	231280

Steel Squares

- Made of precision ground hardened stainless steel



ASIMETO

Inch Size	Metric Size	Squareness	Style	Code No.
General Type				
2" x 1.6"	50 x 40mm	00	Bevel	7639210
3" x 2"	75 x 50mm	00	Bevel	7639220
4" x 2.75"	100 x 70mm	00	Bevel	7639230
6" x 4"	150 x 100mm	00	Bevel	7639240
8" x 5"	200 x 130mm	00	Bevel	7639250

Diemaker's Square Set

ASIMETO

- Use for precise miniature layouts
- Hardened and ground with very fine finish, extremely accurate
- Set includes: 3 hardened beveled edge squares; 3/4", 1-1/4", 2-3/8" plus 1- 1/2" triangular straight edge with handle complete in a fitted case
- Straight edge sides are machined in the middle for clearance of burrs and dirt

Specifications of Squares:	Beam	Blade
	1-15/16"	2-15/16"
	1-1/8"	1-9/16"
	3/4"	1"



Description	Code No.
Diemaker's Square Set	7606670

Centre Square

The knife edge is made from Spring Steel and is hardened and ground for extended life.

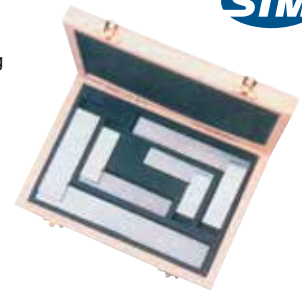


Work Dia.	Model No.	Code No.
1-1/2"	CS/1	231320
3"	CS/2	231322

Engineer's Precision Squares

Hardened spring steel blades are permanently fixed to the stock by means of tapered self-locking rivets which ensure complete rigidity. Both the blade and stock are precisely ground to ensure straightness and parallelism.

- Internal and external squareness as per BS939 Grade B



Blade Length (in.)	Model No.	Squareness	Code No.
2"	SS/A/2	0.00063"	231000
3"	SS/A/3	0.00063"	231010
4"	SS/A/4	0.00063"	231015
6"	SS/A/6	0.00063"	231020
9"	SS/A/9	0.00094"	231030
12"	SS/A/12	0.00094"	231040
Set 1	SS/A/2-3-4-6		231045
Set 2	SS/A/2-4-6		231050

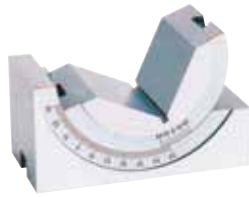
Set 1 contains one each of 2", 3", 4" and 6" Squares
Set 2 contains one each of 2", 4" and 6" Squares

Adjustable Angle Block 0-60°



Made from fully hardened (50-55) HRC and ground tool steel. The block is fully adjustable from 0°-60° and can be set at any desired position by locking of the hex screw located in the base.

- Sold Individually



Block Length (in.)	Block Height (in.)	Block Width (in.)	Model No.	Code No.
3-3/4"	2"	1-3/4"	PAB/01	231096
3-3/4"	2"	1-3/16"	PAB/02	231098
3"	1-11/32"	1"	PAB/03	231100

Precision Square Levels

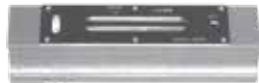


Model	Dimensions (mm)	Weight (kg)	Code No.
VSL-200A	200 x 200 x 39.5	4.10	230370
VSL-300A	250 x 250 x 44.6	8.83	230380

Horizontal Leveling Instrument



- 0.02mm/100mm tolerance



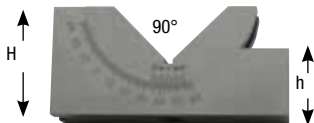
Model	Dimensions (mm)	Weight (kg)	Code No.
VLI-200A	200x50x45	2.1	230390

Precision Angle Plates



YCT-AP Angle Plate

- Material: SK2
- Hardness: 50-54 HRC
- Squareness: within 0.005 mm
- Tolerance of angle: 10"
- Angular measures from 0-60°



Model No.	H	W	L	h	Net Wt.	Code No.
AP-1	47	46	102	28	1.5 kg	230745
AP-3	32	25	75	22	0.5 kg	230755

STM Universal Angle Block Sets



- Set complete in fitted case
- Hardened steel, precision ground
- Size 3" long by 1/4" thick
- Accuracy ± .0001" per inch



DK33-006



DK32-027

Model No.	Description	Code No.
DK 32-027	1pc. each 1°, 2°, 3°, 4°, 5°, 10°, 15°, 30°	230865
DK 33-006	1pc. each 1°, 2°, 3°, 4°, 5°, 10°, 15°, 20°, 25°, 30°	230867

Rectangular Gauge Block Sets — Inch

ASIMETO

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



Blocks per Set	Blocks In Set	Grade	Former Grade	Code No.
81	1 Block: 0.050"	0 AS-1 AS-2	(2) (3) (B)	7650010 7650011 7650012
	10 Blocks: 0.1000"-0.1009" x 0.0001" steps			
	49 Blocks: 0.101"-0.149" x 0.001" steps			
	17 Blocks: 0.150"-0.950" x 0.050" steps			
36	4 Blocks: 1.000"-4.000" x 1.000" steps	0 AS-1 AS-2	(2) (3) (B)	7650020 7650021 7650022
	1 Block: 0.050"			
	10 Blocks: 0.1000"-0.1009" x 0.0001" steps			
	9 Blocks: 0.101"-0.109" x 0.001" steps			
	9 Blocks: 0.110"-0.190" x 0.010" steps			
4 Blocks: 0.200"-0.500" x 0.100" steps				
3 Blocks: 1,2,4"				

Individual Rectangular Gauge Blocks

ASIMETO

- Grade 0
- Individual serial numbers on each block
- Mirror polished surfaces provide superior wringing characteristics



Size (in.)	Code No.
0.050"	7651010
0.100"	7651150
0.200"	7651800
0.250"	7651820
0.500"	7651870
1.000"	7651970

Rectangular Gauge Block Sets — Metric

ASIMETO

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



Blocks per Set	Blocks In Set	Grade	Former Grade	Code No.
88	1 Block: 1.0005mm	AS-1	(3)	7650181
	9 Blocks: 1.001-1.009mm x 0.01mm steps			
	49 Blocks: 1.01-1.49mm x 0.01mm steps			
	19 Blocks: 0.5-9.5 x 0.5mm steps			
10 Blocks: 10-100mm x 10mm steps				

Standard Rectangular Gauge Block Sets



Workshop Grade B

- All blocks are manufactured to the same high standards as our premium sets
- Each set is supplied with a certificate guaranteeing that each block is manufactured to meet or exceed federal spec GGG-G-15C, and is within tolerance (±0.000050)
- This certificate does not show the individual deviation of each block
- Each set is provided in a fitted wooden case



No. Blocks	Blocks Included	Code No.
81 piece set	9-0.1001-0.1009 in 0.0001 steps,	200715
	49-0.101-0.149 in 0.001 steps	
	19-0.050-0.950 in 0.050 steps	
	4-1.000-4.000 in 1.000 steps	

Pin Gauge Sets

ASIMETO

- Furnished in molded plastic case



Plus Tolerance +0.0002"/-0

Qty	Range	Finish	Code No.
50	0.011" - 0.060" x 0.001" step	Bright	7697010
190	0.061" - 0.250" x 0.001" step	Bright	7697020
250	0.251" - 0.500" x 0.001" step	Bright	7697030
125	0.501" - 0.625" x 0.001" step	Bright	7697040
125	0.626" - 0.750" x 0.001" step	Bright	7697050

Minus Tolerance +0/-0.0002"

Qty	Range	Finish	Code No.
50	0.011" - 0.060" x 0.001" step	Bright	7697012
190	0.061" - 0.250" x 0.001" step	Bright	7697022
250	0.251" - 0.500" x 0.001" step	Bright	7697032
125	0.501" - 0.625" x 0.001" step	Bright	7697042

Ergonomic Pin Gauge Handles

ASIMETO

- Comfortable, ergonomically designed handle for pin gauges
- Can be used with GO pin (green) on one end, NO GO (red) on opposite end



Range	Code No.
0.011" - 0.060"	7697410
0.061" - 0.250"	7697411
0.251" - 0.500"	7697412
0.501" - 0.625"	7697413
0.626" - 0.750"	7697414

Precision Steel Pin Gauge Sets

STM

- Hardness: heat treated to a hardness of 60-62 Rockwell C Drill Rod
- All members 2" long, centerless lapped
- Size Electro etched in each piece
- Finish: Each gauge inspected and has 10 micron finish or better
- Deluxe box with insert
- Tolerance: Minus -0.0002"/+0.0000"



Gauge Set No.	Range	No. of Gauges	Minus Code No.
P-1	0.061" - 0.250"	190	255040
P-2	0.251" - 0.500"	250	255045

Precision Inspection Gauge Ball Sets

ASIMETO

- Meets all grade 25 AFBMA standards
- Chrome alloy steel, hardened to 63HRC
- Surface finish to 1.5 micro-inches
- Within 0.0001"/0.0025mm of actual size
- Spherical accuracy within 0.000025"/0.0006mm



Quantity	Description	Code No.
26 Pair	1/8" - 1"	7679901
25 Pair	1mm to 25mm by 1mm increments	7679900

Rockwell Type Hardness Tester

ASIMETO

- For testing the hardness of various materials to determine the Rockwell hardness to scales A, B, and C
- Unit is designed with mechanical loads for precise hardness readings
- Conform to the requirements of ASTM E18, ISO 6508-2, and GB/T 230.2 standards
- Readings provided to a minimum resolution 0.5HR



Standard Accessories:

- Diamond cone penetrator 1pc
- V-notch anvil 1pc
- Small flat anvil 1pc
- Large flat anvil 1pc
- Rockwell standard 5pcs
- 1/16" steel ball penetrator 1pc
- Instruction manual 1pc

Range	Test Force	Test Height	Throat Depth	Code No.
20-88 HRA,	588.4, 980.7, 1471N			
20-100 HRB,	(60, 100, 150kgf)	170mm	135mm	7640010
20-70 HRC				

Hardness Test Block

ASIMETO

- To be used with Asimeto Impact Hardness Tester



Range of Hardness	Dimensions	Weight	Code No.
20-30 HRC	80-88 HRA		
35-55 HRC	85-95 HRB	60 x 40 x 10mm	0.19kg
60-70 HRC			7640810

Impact Hardness Tester

ASIMETO

Features:

- Used for determining the hardness of ferrous and non-ferrous metals
- Hardness is displayed in an "L" value that can be converted into Brinell, Rockwell, Vickers, and Shore Hardness



Specifications:

- Range: 330-890HL
- Impact capacity: 11 Nmm
- Testing direction: Arbitrary
- Power: DC 6.0 V
- Mass of impact body: 5.5g
- Diameter of carbide ball: 3mm

Description	Code No.
Impact Hardness Tester	7640171

Hardness Tester Penetrators

ASIMETO



Description	Specifications	Code No.
For Rockwell Hardness Tester	120° diamond cone penetrator Ø1.588mm (1/16") steel ball	7640830
For Brinell Hardness Tester	Ø2.5, 5, 10mm tungsten carbide ball penetrators	7640840

Surface Roughness Standards Set

ASIMETO

- Used for the visual comparison of surface roughness
- Set of 30 specimens, 7/8" x 3/8" electro-formed, solid nickel



Code No.: 7506010		
Qty.	Desc.	Roughness
2	Flat Lapping	0.05; 0.1µm (2; 4µm)
4	Reaming	0.2; 0.4; 0.8; 1.6µm (8; 16; 32; 63µm)
6	Grinding	0.05; 0.1; 0.2; 0.4; 0.8; 1.6µm (2; 4; 8; 16; 32; 63µm)
6	Horiz. Milling	0.4; 0.8; 1.6; 3.2; 6.3; 12.5µm (16; 32; 63; 125; 250; 500µm)
6	Vert. Milling	0.4; 0.8; 1.6; 3.2; 6.3; 12.5µm (16; 32; 63; 125; 250; 500µm)
6	Turning	0.4; 0.8; 1.6; 3.2; 6.3; 12.5µm (16; 32; 63; 125; 250; 500µm)

Precision Parallel Sets

- Hardened and ground high grade alloy steel
- Hardness 52-58 HRC
- 6" length
- Absolute heights are nominal
- Supplied in durable plastic case
- Width Accuracy: $\pm 0.0008"$ Length Accuracy: $\pm 0.0006"$



ASIMETO

Description	Range	Parallelism	Paired Accuracy	Code No.
8 Pair 1/2"	7/8" to 1-3/4" x 1/8"	$\pm 0.0003"$	$\pm 0.0003"$	7607080
9 Pair 1/4"	3/4" to 1-3/4" x 1/8"	$\pm 0.0002"$	$\pm 0.0002"$	7607090
10 Pair 1/8"	1/2" to 1-5/8" x 1/8"	$\pm 0.0002"$	$\pm 0.0002"$	7607100
10 Pair 1/32"	1/2" to 1-5/8" x 1/8"	$\pm 0.0002"$	$\pm 0.0002"$	7607101

Precision Parallel Sets

- Matched pairs
- Made of high grade steel alloy
- Hardened and ground
- Tolerance $\pm 0.0003"$



Model No.	Dimensions per Pair	Code No.
DK 32-045	3/16 x 1 x 6, 3/16 x 1-1/4 x 6, 3/16 x 1-1/2 x 6, 3/16 x 1-3/4 x 6	230850
DK 32-012	3/16 x 1 x 6, 3/16 x 1-1/4 x 6, 1/2 x 1-1/2 x 6, 1/2 x 1-3/4 x 6	230853
DK 32-050	1/2 x 1 x 6, 1/2 x 1-1/4 x 6, 1/2 x 1-1/2 x 6, 1/2 x 1-3/4 x 6	230855
DK 32-064	1/4 x 3/4 x 6, 1/4 x 7/8 x 6, 1/4 x 1 x 6, 1/4 x 1-1/8 x 6, 1/4 x 1-3/8 x 6, 1/4 x 1-1/2 x 6, 1/4 x 1-5/8 x 6, 1/4 x 1-3/4 x 6	230857
DK 32-073	1/2 x 7/8 x 6, 1/2 x 1 x 6, 1/2 x 1-1/8 x 6, 1/2 x 1-1/4 x 6, 1/2 x 1-3/8 x 6, 1/2 x 1-5/8 x 6, 1/2 x 1-3/4 x 6	230860

Steel Parallel Set

All 10 Pairs Including Fitted Case

- Thin style, 1/8" thick
- Matched pairs
- Made of high grade steel alloy
- Hardened and ground
- Tolerance $\pm 0.0003"$



Width	Height	Length
1/8"	1/2"	6
1/8"	5/8"	6
1/8"	3/4"	6
1/8"	7/8"	6
1/8"	1"	6
1/8"	1-1/8"	6
1/8"	1-1/4"	6
1/8"	1-3/8"	6
1/8"	1-1/2"	6
1/8"	1-5/8"	6

Code No.: 230863



Precision Thin Steel Parallels

- Thin style, 1/8" thick
- Sold in matched pairs
- Made of high grade alloy steel
- Hardened and ground
- 2 holes in each parallel
- Accuracy: $\pm 0.0002"$ parallelism in height $\pm 0.001"$ to size in height



W x H x L	Hole Size	Code No.
1/8 x 1/2 x 6"	13/64"	230200
1/8 x 5/8 x 6"	1/4"	230205
1/8 x 3/4 x 6"	5/16"	230210
1/8 x 7/8 x 6"	5/16"	230215
1/8 x 1 x 6"	5/16"	230220
1/8 x 1-1/8 x 6"	3/8"	230225
1/8 x 1-1/4 x 6"	3/8"	230230
1/8 x 1-3/8 x 6"	7/16"	230235
1/8 x 1-1/2 x 6"	1/2"	230240
1/8 x 1-5/8 x 6"	1/2"	230245

Precision 1-2-3 Blocks

- These blocks are very useful in mounting work for precision grinding, layout work, etc.
- Blocks are hardened to 58-60 HRC and ground to surface finish 6-10 micro inches
- Tolerances are guaranteed to 0.0001" for squareness per inch
- 0.0002" for parallelism
- Blocks are matched and measure 1" x 2" x 3"



Description	Code No.
2 Piece set	230876

1-2-3 or 2-4-6 Blocks

- Heat treated and case hardened to 55-60 HRC
- Precision ground and case hardened
- Squareness of all sides is within 0.0001"
- Parallel Accuracy 0.0003"
- Surface finish 6-16 micro inches
- 23 holes-5 are tapped in 3/8-16
- Supplied in pairs



Size	Description	Code No.
1-2-3	23 Holes	230870
2-4-6	23 Holes	230872
1-2-3	No Hole (Pair)	230874

Ultra Precision Wavy Parallel Set

- Made of high quality spring steel, hardened, stress relieved, and precision ground
- Parallel within $\pm 0.0002"$, paired $\pm 0.0002"$
- Includes 9 pairs 4-1/4" long with the following heights: 1/2, 5/8, 3/4, 7/8, 1, 1-1/8, 1-1/4, 1-3/8, 1-1/2
- Shims can be compressed, useful for the holding of thin parts



ASIMETO

Description	Code No.
Ultra Precision Wavy Parallel Set	7607660

ASIMETO®

Exactly what you need.

Everything we do is as exacting as the tools we make. Asimeto is the creator and manufacturer of high-precision measuring instruments - designed and registered exclusively in Germany. Asimeto tools are very competitively priced and are sold through the Asimeto distribution network. Our ultimate commitment to quality allows us to ensure strict production standards and reliable technical service for our global customers.

The quality and measuring accuracy of all Asimeto precision tools is guaranteed by the Asimeto Calibration Laboratory. All tools are inspected for conformance to the Asimeto design specifications and are then processed through the Asimeto calibration laboratory. Only the latest state of the art calibration equipment has been selected, from the leading global manufacturers, to ensure that the calibration costs are contained by increasing throughput, without compromising measurement accuracy or repeatability.

CALIBRATION

Every Asimeto tool is supplied with its own calibration certificate. All tools are calibrated by our **ISO 17025** accredited lab at no extra charge to the customer.

12 + 12 CARE PROGRAM

To supplement the industry standard 12 month warranty an additional 12 month warranty is available by registering your individual purchase online at www.asimeto.com within 30 days from the date of purchase.



Welcome to the **Sowa** family!



Superior performance tool holding and workholding solutions when speed and accuracy matter most.

ASIMETO

High-performance precision measuring and inspecting solutions.



High-performance cutting tools including end mills, drills, taps and indexables.

SKODA

High Value production grade live centers.

narex

Exclusive line of value boring heads.



A wide product range of economic tooling for general purpose applications.



With this line-up, Sowa Tool is uniquely qualified to serve all your needs under one roof. Ask us how Sowa can tool your world and provide the competitive edge for your business.

Distributed by:



Sowa Tool & Machine Co. Ltd.

Canadian Head Office
500 Manitou Drive, Kitchener, ON, N2C 1L3
North Carolina Office
101-137 Overhill Drive, Mooresville, NC 28117

TF: 1-800-265-8221
Tel: 519-748-5750
Fax: 519-748-9304
sales@sowatool.com
www.**SowaTool**.com