

i-Checker

SERIES 170

FEATURES

The i-Checker is specially designed to calibrate dial indicators, dial test indicators, and other electronic comparison gage heads with a stroke of up to 100mm (4").

- $\pm(0.2+L/100)\mu\text{m}$ indication accuracy.
- Directly inspects an indicator with a stroke of up to 100mm (4"). The dial test indicator, bore gage and lever-type inductive head can be inspected with optional accessories.

- Adjustment of the measurement position is very easily accomplished because of semi-automatic measurement and fully automatic measurement functions.
- Creates and prints out a simple inspection certificate.
- Saves inspection results as a CSV file for analysis by software.

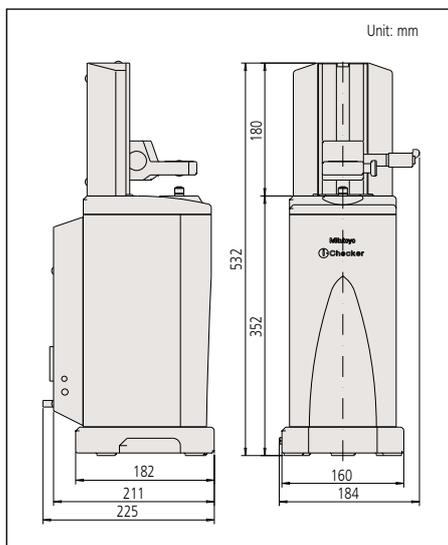


SPECIFICATIONS

Order No.*	Remarks
170-311	with $\phi 8\text{mm}$ bush
170-312	with $\phi 3/8"$ bush

* To denote your AC power cable add the following suffixes to the order No.: **A** for UL/CSA, **D** for CEE, **E** for BS, **K** for EK, **No suffix** is required for JIS/100V
 ** Calibration certificate and traceability system chart are attached as standard.

DIMENSIONS



Applicable Indicators

- Dial indicator
- Hicator
- Digimatic indicator***
- Test indicator*
- Bore gage**
- Linear gage

* requires optional test indicator attachment set
 ** Contact the nearest Mitutoyo sales office for testable indicators.
 *** requires optional bore gage accessory
 *** requires optional SPC cable for fully automatic measurement



Using test indicator attachment set (02ASK000)



(Refer to page VIII for details.)

Technical Data

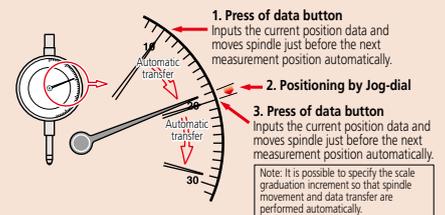
Measuring Range: 100mm/4"
 Resolution: 0.02 μm /0.8 μin
 Accuracy: $\pm(0.2+L/100)\mu\text{m}$ in vertical position
 $\pm(0.3+2L/100)\mu\text{m}$ in lateral position
 L = arbitrary length (mm)
 Drive method: Electric motor
 Measuring Unit: Reflective-type glass linear encoder
 Thermal expansion coefficient: $(8\pm 1)\times 10^{-6}/\text{K}$
 Measurement method: Semi-automatic / Fully automatic*
 Dimensions: 184 x 225 x 532mm (W x D x H)
 Operating temperature range: 20°C \pm 3°C
 Power supply: 100VAC to 240VAC \pm 10%, 50/60Hz
 Mass: 20kg/44.1lbs

* Automatic measurement requires the indicator's connection cable. Additionally some form of indicator, along with a connecting machine (the optional accessory for indicator as a Digimatic power-supply unit on EF counter) will be needed.

Functions

Inspect your analog indicator semi-automatically!

The pointer of the analog indicator is positioned just before the measuring point automatically via Mitutoyo's Semi-automatic Measurement function. After that, inspection begins simply by adjusting the pointer position with the jog-dial. Because of this function, measurement time is reduced and user fatigue is practically eliminated. Additionally all functions necessary for inspection are combined in the control box so that the operator need not rely on excessive eye movement to adjust the pointer.



Fully automatic inspection of digital indicator

The Automatic Measurement function, in tandem with a digital indicator makes the spindle move so that measurement data is acquired automatically. Therefore, manual adjustment to the measurement position is unnecessary and the efficiency of every inspection is enhanced.



Create and printout a simplified inspection certificate

It is possible to create, edit and print out your own inspection certificate. Furthermore, that data can be saved as a CSV file.

Optional Accessories

- 02ASK000: Test indicator attachment set ($\phi 6\text{mm}$ stem)
- 02ASK180: Test indicator attachment set ($\phi 8\text{mm}$ stem)
- 02ASK370: Test indicator holder ($\phi 6\text{mm}$ stem)
- 02ASK380: Test indicator holder ($\phi 8\text{mm}$ stem)
- 02ASL310: Accessory for Bore gages
- 902803: $\phi 6\text{mm}$ dovetail grooved stem
- 902804: $\phi 8\text{mm}$ dovetail grooved stem
- 02ASK040: Stem bush $\phi 6\text{mm}$
- 02ASJ856: Stem bush $\phi 8\text{mm}$
- 02ASK150: Stem bush $\phi 8\text{mm}$, short
- 02ASL150: Stem bush $\phi 10$, short
- 02ASK050: Bush $\phi 9.5$ (Requires 02ASK070)
- 02ASK060: Stem bush $\phi 12\text{mm}$
- 02ASK070: Stem bush $\phi 15\text{mm}$
- 02ASK080: Stem bush $\phi 20\text{mm}$
- 02ASK710: Stem bush $\phi 28\text{mm}$
- 02ASK090: Stem bush 3/8"
- 02ASK130: Stem bush case
- 02ASK730: Reflector
- 937179T: Foot switch

UDT-2 Dial Gage Tester

SERIES 170

The UDT-2 Dial Gage Tester consists of a specially designed 25mm micrometer head with a large-diameter graduated scale and rigid holding fixtures. 0.001mm graduations make the UDT-2 highly suitable for calibrating 1mm, 5mm, 10mm, and 20mm range, 0.01mm reading, dial indicators and dial test indicators.



170-102M-2

FEATURES

- Clamping stem diameter—
170-102-12: 6mm and 8mm,
170-101-10: .25" and .375"
- With the optional stand (951498), inspection of Dial Bore Gages is very comfortable to perform.

SPECIFICATIONS

Metric			
Range	Order No.	Graduation	Accuracy
0 - 25mm	170-102-12	0.001mm	±2µm

Inch			
Range	Order No.	Graduation	Accuracy
0 - 1"	170-101-10	.0001"	±.0001"



(Refer to page VIII for details.)

Optional Accessory

12AAK824: Stand for bore gage inspection



Calibration Tester

SERIES 521

The Calibration Tester is specially designed to calibrate short range dial indicators, dial test indicators, and other electronic comparison gage heads.

FEATURES

- Universal bracket accepts any dial indicator, dial test indicator, lever head of Mu-Checker without any additional accessory.
- Clamping capacity: ø4mm - ø10mm
- Dual color-coded directional graduations to facilitate measurements.



521-103

SPECIFICATIONS

Metric			
Range	Order No.	Graduation	Accuracy
0 - 1mm	521-103	0.0002mm	±0.2µm
0 - 5mm	521-105	0.0002mm	±0.8µm

Inch			
Range	Order No.	Graduation	Accuracy
0 - .05"	521-104	.00001"	±.00001"
0 - .2"	521-106	.00001"	±.00003"



(Refer to page VIII for details.)



Calibrating test indicator

Thickness Gages

SERIES 547, 7

Thickness Gages offer a quick and efficient means of inspection with their convenient grip handle, thumb trigger and spring-loaded spindle. The various models cover a wide range of applications.

FEATURES

- Wide range of applications with various types of measuring faces (on the spindle and anvil).

- The digital models incorporate Mitutoyo's popular ID-C and ID-S Series Digimatic Indicators to provide error-free LCD readings as well as data output for SPC analysis.
- **547-401 (547-400S)** is ideally suited for measuring thicknesses of paper, film, wire, sheet metal and similar materials.

Standard Type / Digital



Deep Throat Type / Digital



Standard Type / Dial



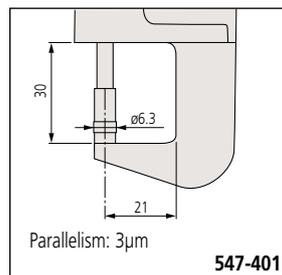
Deep Throat Type / Dial



High Accuracy Type / Digital



DIMENSIONS



SPC

ABSOLUTE[®]
Absolute System Patented by MITUTOYO

(Refer to page VIII for details.)

Technical Data of Digital Models

Accuracy: Refer to the list of specifications (excluding quantizing error)

Resolution:

0.01mm type	0.01mm
0.001mm type	0.001mm/0.001mm
.0005"/0.01mm type	.0005"/0.01mm
.00005"/0.001mm type	.0005"/.0001"/.00005"/0.01mm/0.001mm

Display: LCD

Scale type: ABSOLUTE electrostatic linear encoder

Max. response speed: Unlimited

Measuring force: Refer to the list of specifications

Stem dia.: 8mm (ISO/JIS type) or 3/8" (ANSI/AGD type)

Battery: SR44 (1 pc.), **938882**

Battery life: Approx. 7,000 hours under normal use

Dust/Water protection level: IP42 or IP53 (dust-proof type)

Functions of Digital Models

Origin-set/Preset, Zeroset, GO/±NG judgment, Counting direction switching, Power ON/OFF, Simplified calculation, Function lock, Data hold, Data output, inch/mm conversion (inch/mm models)

Alarm: Low voltage, Counting value composition error, Overflow error, Tolerance limit setting error

Optional Accessories

905338: SPC cable (1m) for digital models

905409: SPC cable (2m) for digital models

02AZD790F: SPC cable for U-WAVE (160mm)

902011: Spindle lifting lever (ISO/JIS type)*

902794: Spindle lifting lever (ANSI/AGD type)*

137693: Spindle lifting hook**

540774: Spindle lifting cable

125317: Spare rubber boot (for dust-proof type)

02ACA571: Auxiliary spindle spring for 25mm/1" models***

02ACA773: Auxiliary spindle spring for 50mm/2" models***

—: Backs (See page F-40.)

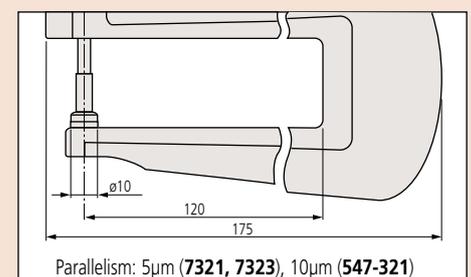
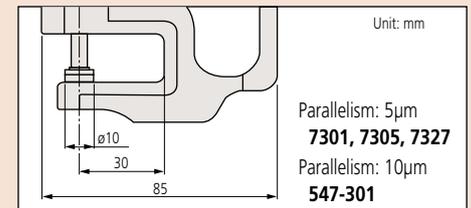
—: Contact points (See page F-36.)

*Can be used on 12mm/5" models only.

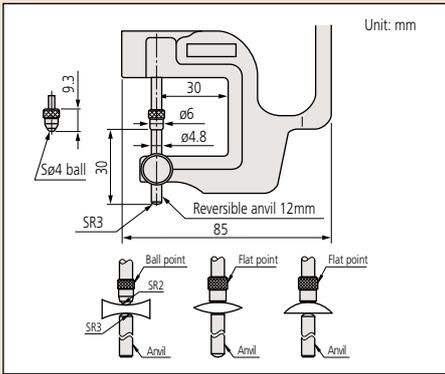
**Can be used on 25mm/1" or 50mm/2" models.

***Required when orienting the indicator upside down.

DIMENSIONS



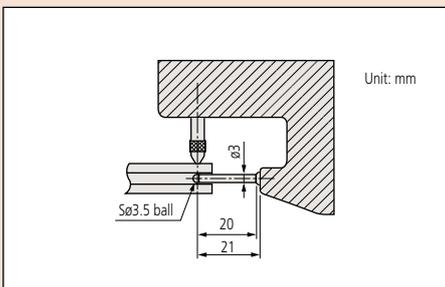
DIMENSIONS



Lens thickness measurement



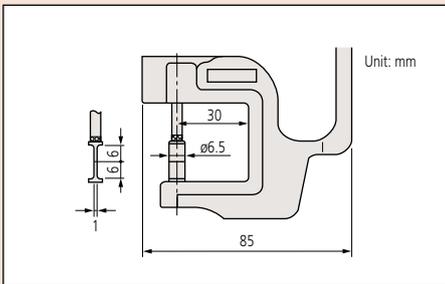
DIMENSIONS



Tube thickness measurement



DIMENSIONS



Groove depth measurement



SPECIFICATIONS

Metric	Digital Type
Range	Order No. Resolution
0 - 12mm	547-401 0.001mm
0 - 10mm	547-301 0.01mm
0 - 10mm	547-321 0.01mm
0 - 10mm	547-313 0.01mm
0 - 10mm	547-315 0.01mm
0 - 10mm	547-360 0.01mm

Inch/Metric	Digital Type	Accuracy	Measuring force	Remarks	
Range	Order No.	Resolution			
0 - .47"	547-400S /	.00005"/0.001mm	±3µm	3.5N or less	High accuracy, carbide spindle/anvil
0 - .4" / 0 - .47"*	547-300S / 547-500*	.0005"/0.01mm	±20µm	1.5N or less	Standard, ceramic spindle/anvil
0 - .4" / 0 - .47"*	547-320S / 547-520*	.0005"/0.01mm	±20µm	1.5N or less	Deep throat, ceramic spindle/anvil
0 - .4" / 0 - .47"*	547-312S / 547-512*	.0005"/0.01mm	±20µm	1.5N or less	Lens thickness
0 - .4" / 0 - .47"*	547-316S / 547-516*	.0005"/0.01mm	±20µm	1.5N or less	Groove depth
0 - .4" / 0 - .47"*	547-361S / 547-561*	.0005"/0.01mm	±20µm	1.5N or less	Tube thickness

*using ID-S Digimatic indicator, Standard model with .0001"/0.001mm resolution ID-S is available (**547-526**).

Metric	Dial Type
Range	Order No. Dial reading
0 - 1mm	7327 0.001mm
0 - 10mm	7301 0.01mm
0 - 20mm	7305 0.01mm
0 - 10mm	7321 0.01mm
0 - 20mm	7323 0.01mm
0 - 10mm	7313 0.01mm
0 - 10mm	7315 0.01mm
0 - 10mm	7360 0.01mm

Inch	Dial Type	Accuracy	Measuring force	Remarks	
Range	Order No.	Dial reading			
0 - .05"	7326S	.00005"	±5µm	1.4N or less	Fine dial reading, ceramic spindle/anvil
0 - .5"	7300S	.001"	±15µm	1.4N or less	Standard, ceramic spindle/anvil
0 - 1"	7304S	.001"	±20µm	2.0N or less	Standard, ceramic spindle/anvil
—	—	—	±15µm	1.4N or less	Deep throat, ceramic spindle/anvil
0 - 1"	7322S	.001"	±22µm	2.0N or less	Deep throat, ceramic spindle/anvil
0 - .5"	7312S	.001"	±15µm	1.4N or less	Lens thickness
0 - .5"	7316S	.001"	±15µm	1.4N or less	Groove depth
0 - .5"	7361S	.001"	±15µm	1.4N or less	Tube thickness

Lightweight Dial Thickness Gage

SERIES 7



Application

Measuring paper thickness



Measuring thickness of a human hair

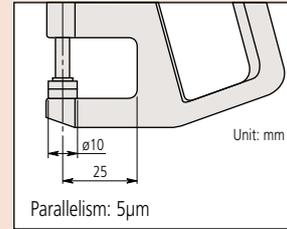


SPECIFICATIONS

Metric

Range	Order No.	Dial reading	Accuracy	Measuring force
0 - 10mm	7331S	0.01mm	±20µm	1.4N or less

DIMENSIONS



Dial Caliper Gage

SERIES 209 — Internal Measurement Type

These Dial Caliper Gages are comparison gages, and should be used in conjunction with a Setting Ring or a micrometer. The caliper is spring loaded and makes point contact at constant measuring force.



SPECIFICATIONS

Metric

Range	Order No.	Graduation	Range of opening*1	Dial face	Accuracy	Measuring force
6 - 18mm	209-125	0.01mm	5.8 - 18.2mm	0-100-100	±40µm	2.0N or less
10 - 22mm	209-126	0.01mm	9.8 - 22.2mm	0-100-100	±40µm	2.0N or less
20 - 32mm	209-127	0.01mm	19.8 - 32.2mm	0-100-100	±40µm	2.0N or less
5 - 15mm	209-155	0.01mm	4.8 - 15.2mm	0-100	±30µm	2.0N or less
10 - 20mm	209-156	0.01mm	9.8 - 20.2mm	0-100	±30µm	2.0N or less
10 - 30mm	209-175	0.01mm	9.8 - 30.2mm	0-100-100	±40µm	2.0N or less
20 - 40mm	209-176	0.01mm	19.8 - 40.2mm	0-100-100	±40µm	2.0N or less

*1: Range of opening is a value for reference. Accuracy is not guaranteed if the Dial Caliper Gage is used beyond the measuring range.

* Please note that this Dial Caliper Gage is only provided with standard models. Special size and special specification models are not supported.

DIMENSIONS

Unit: mm

Order No.	A	B
209-125	1.1	1.1
209-126	2.3	2.7
209-127	8.0	4.4

Order No.	A	B	L	T
209-155	2.2	2.2	26	1.2
209-156	5.5	5.5	28	1.5

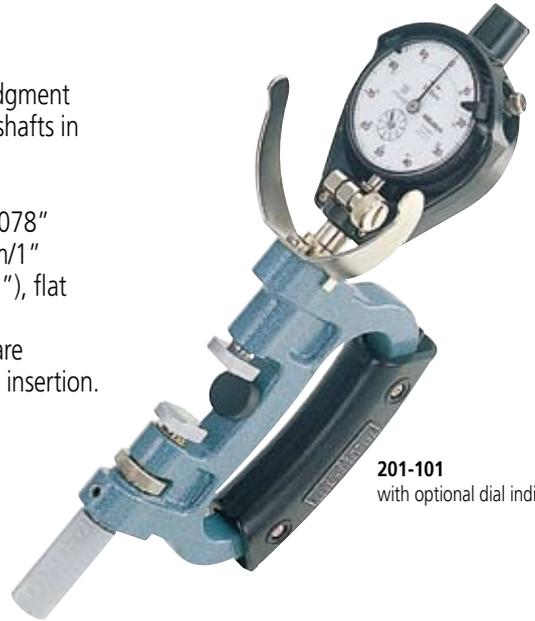
Order No.	A	B	T
209-175	5.5	5.5	1.5
209-176	10	10	2.0

Dial Snap Gage

SERIES 201

FEATURES

- Designed for quick GO/NG judgment of diameters of cylinders and shafts in machining processes.
- Dial indicator is optional.
- Anvil retracting stroke: 2mm/.078"
- Anvil positioning range: 25mm/1"
- Wide (13.5 x 12mm/1.53 x .47"), flat carbide anvils.
- Both front edges of the anvil are chamfered for easy workpiece insertion.



201-101
with optional dial indicator

Technical Data

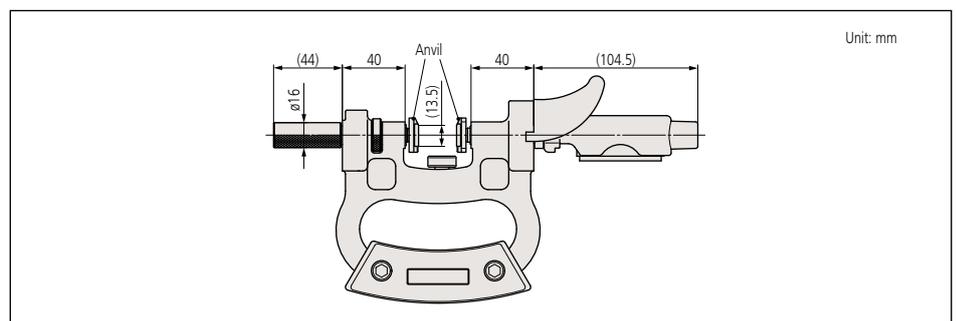
Accuracy: Refer to the list of specifications
 Anvil retracting stroke: 2mm/.078"
 Anvil positioning range: 25mm/1"
 Anvil flatness: 1µm/.00004"

SPECIFICATIONS

Metric				
Range	Order No.	Parallelism	Measuring force	Recommended dial indicator (optional)
0 - 25mm	201-101	5µm	15N±3N	2046SB (0.01mm reading), 2109SB-10 (0.001mm reading)
25 - 50mm	201-102	5µm	15N±3N	2046SB (0.01mm reading), 2109SB-10 (0.001mm reading)
50 - 75mm	201-103	5µm	15N±3N	2046SB (0.01mm reading), 2109SB-10 (0.001mm reading)
75 - 100mm	201-104	5µm	15N±3N	2046SB (0.01mm reading), 2109SB-10 (0.001mm reading)
100 - 125mm	201-105	5µm	15N±3N	2046SB (0.01mm reading), 2109SB-10 (0.001mm reading)
125 - 150mm	201-106	5µm	15N±3N	2046SB (0.01mm reading), 2109SB-10 (0.001mm reading)
150 - 175mm	201-107	5µm	15N±3N	2046SB (0.01mm reading), 2109SB-10 (0.001mm reading)
175 - 200mm	201-108	5µm	15N±3N	2046SB (0.01mm reading), 2109SB-10 (0.001mm reading)
200 - 225mm	201-109	5µm	15N±3N	2046SB (0.01mm reading), 2109SB-10 (0.001mm reading)
225 - 250mm	201-110	5µm	15N±3N	2046SB (0.01mm reading), 2109SB-10 (0.001mm reading)
250 - 275mm	201-111	5µm	15N±3N	2046SB (0.01mm reading), 2109SB-10 (0.001mm reading)
275 - 300mm	201-112	5µm	15N±3N	2046SB (0.01mm reading), 2109SB-10 (0.001mm reading)

Inch				
Range	Order No.	Parallelism	Measuring force	Recommended dial indicator (optional)
0 - 1"	201-151	.0002"	15N±3N	2803SB-10 (.0001" reading)
1 - 2"	201-152	.0002"	15N±3N	2803SB-10 (.0001" reading)
2 - 3"	201-153	.0002"	15N±3N	2803SB-10 (.0001" reading)
3 - 4"	201-154	.0002"	15N±3N	2803SB-10 (.0001" reading)
4 - 5"	201-155	.0002"	15N±3N	2803SB-10 (.0001" reading)
5 - 6"	201-156	.0002"	15N±3N	2803SB-10 (.0001" reading)
6 - 7"	201-157	.0002"	15N±3N	2803SB-10 (.0001" reading)
7 - 8"	201-158	.0002"	15N±3N	2803SB-10 (.0001" reading)
8 - 9"	201-159	.0002"	15N±3N	2803SB-10 (.0001" reading)
9 - 10"	201-160	.0002"	15N±3N	2803SB-10 (.0001" reading)
10 - 11"	201-161	.0002"	15N±3N	2803SB-10 (.0001" reading)
11 - 12"	201-162	.0002"	15N±3N	2803SB-10 (.0001" reading)

DIMENSIONS



Roll Caliper

SERIES 310

FEATURES

- The Roll Caliper is the most widely used instrument for checking the diameter of rollers used in the manufacture of many products such as metal, rubber and paper.
- Performs fast and accurate comparison measurements of roller diameter with the roller still mounted on a machine tool.
- Various types of detectors (dial indicator, Digimatic indicator, Mu-Checker gage head, etc.) can be attached according to the required accuracy and workpiece size.



310-132
with optional dial indicator

Contact Force Gage

SERIES 546

FEATURES

- Measures small forces applied to the end of its measuring lever in units of newtons (N).
- Contact Force Gages are widely used to determine the measuring force applied by

an instrument to a workpiece, as well as contact forces of electrical relays, micro-switches, valves and precision springs.

- Convenient peak-hold type gages are also available.



546-112
Standard type



546-119
Standard type



546-137
Peak hold type

SPECIFICATIONS

Standard		
Minimum reading	Order No.	Range
2mN	546-112	6mN - 50mN
5mN	546-113	10mN - 100mN
10mN	546-114	30mN - 300mN
0.02N	546-115	0.06N - 0.5N
0.05N	546-116	0.1N - 1N
0.05N	546-117	0.15N - 1.5N
0.1N	546-118	0.3N - 3N
0.2N	546-119	0.6N - 5N

Peak hold		
Graduation	Order No.	Range
5mN	546-133	10mN - 100mN
10mN	546-134	30mN - 300mN
0.02N	546-135	0.06N - 0.5N
0.05N	546-136	0.1N - 1N
0.05N	546-137	0.15N - 1.5N
0.1N	546-138	0.3N - 3N
0.2N	546-139	0.6N - 5N

V-Block Set

SERIES 181

FEATURES

- Two V-blocks per set.
- Magnetic type is available. (The magnetic type V-block is not provided with a workpiece clamp.)

SPECIFICATIONS

Metric		
Max. workpiece dia.	Order No.	Remarks
25mm	181-902	With clamp

Inch		
Max. workpiece dia.	Order No.	Remarks
1"	181-901	With clamp



SPECIFICATIONS

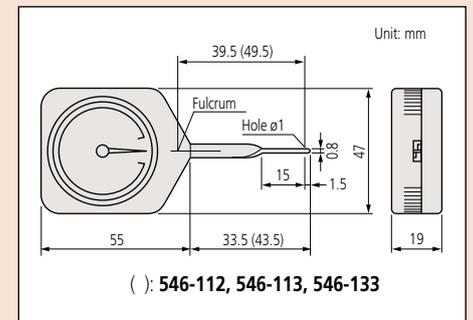
Metric		Inch	
Range	Order No.	Range	Order No.
ø500 - ø1400mm	310-131	ø20" - ø56"	310-141
ø400 - ø1050mm	310-132	ø16" - ø42"	310-142
ø275 - ø825mm	310-133	ø11" - ø32"	310-143
ø200 - ø600mm	310-134	ø8" - ø24"	310-144
ø100 - ø450mm	310-135	ø4" - ø17"	310-145

Application

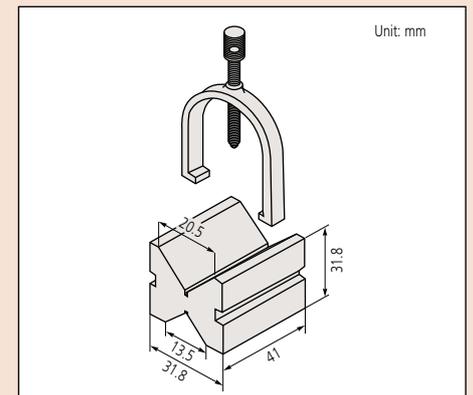
Measuring contact force of a relay



DIMENSIONS



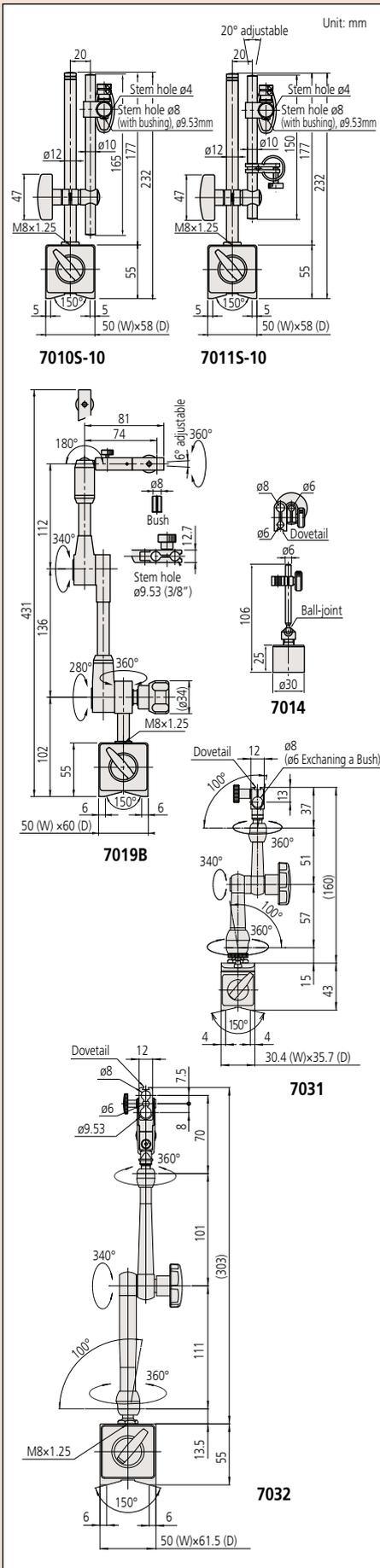
DIMENSIONS



Magnetic Stands

SERIES 7

DIMENSIONS



Mitutoyo's Magnetic Stands accept all dial indicators and dial test indicators. The ON-OFF switch offers instant mounting and dismounting without any adverse effect on the indicators or workpiece surface.



SPECIFICATIONS

Order No.	Description	Applicable holding stem dia.	Dovetail groove	Remarks
7010S-10	Magnetic stand	$\varnothing 4\text{mm}$, $\varnothing 8\text{mm}$, $\varnothing 9.53\text{mm}$ (3/8")	—	—
7011S-10	Magnetic stand	$\varnothing 4\text{mm}$, $\varnothing 8\text{mm}$, $\varnothing 9.53\text{mm}$ (3/8")	—	With fine adjustment
7014	Mini magnetic stand	$\varnothing 6\text{mm}$, $\varnothing 8\text{mm}$	Provided	Without magnet ON/OFF
7014E	Mini magnetic stand	$\varnothing 4\text{mm}$, $\varnothing 9.5\text{mm}$	Provided	Without magnet ON/OFF
7019B	Universal magnetic stand	$\varnothing 8\text{mm}$, $\varnothing 9.53\text{mm}$ (3/8")	Provided	With hydraulic position lock
7031	Universal magnetic stand	$\varnothing 6$, $\varnothing 8\text{mm}$	Provided	With mechanical locking system
7032	Universal magnetic stand	$\varnothing 6$, $\varnothing 8\text{mm}$, $\varnothing 9.53\text{mm}$ (3/8")	Provided	With mechanical locking system

Dial Gage Stands

SERIES 7

Dial Gage Stands are designed for comparison measurements of size using a dial indicator or Digimatic Indicator.

FEATURES

- Vertical travel of the gage holder — Dial Gage Stand: 95mm (7007-10: 90mm), Transfer Stand: 320mm
- Fine-adjustment of 1mm is provided for zero-setting the indicator.
- With interchangeable anvil. Domed anvil (**101463**) is optional.



7001-10
with ø58mm serrated anvil



7002-10
with ø58mm flat anvil



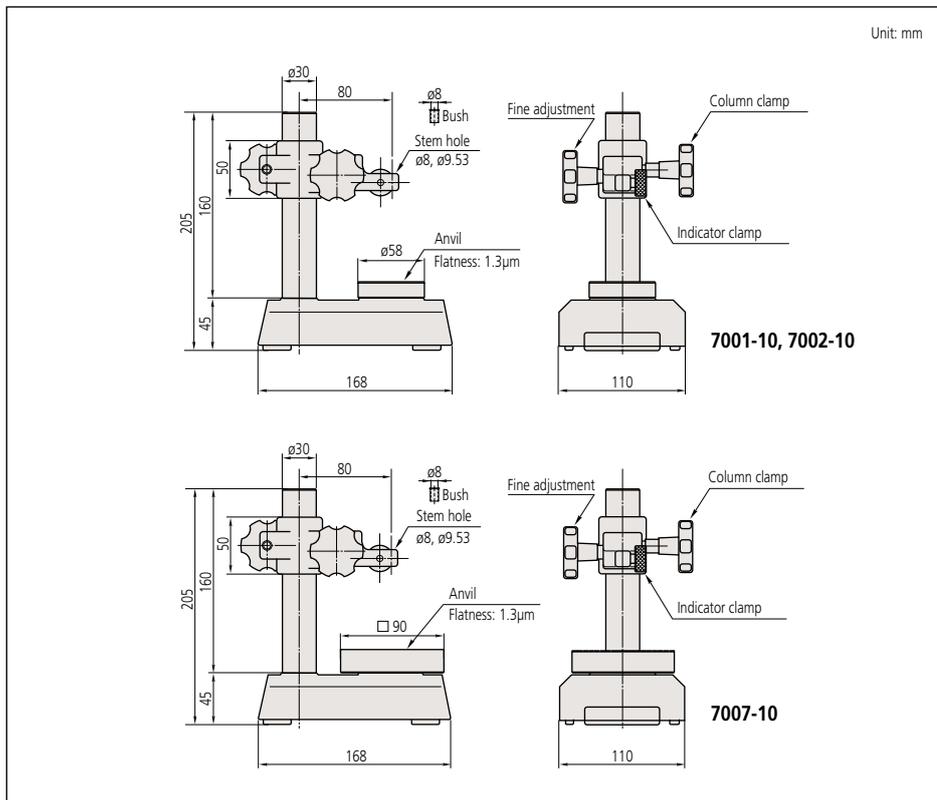
7007-10
90mm square anvil

SPECIFICATIONS

Metric

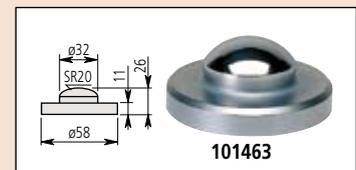
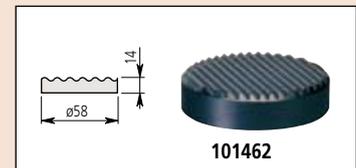
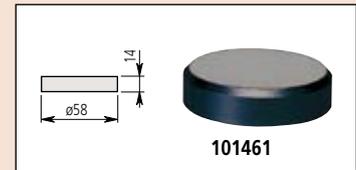
Order No.	Stem hole	Remarks
7001-10	ø8mm, ø9.53mm	With serrated anvil
7002-10	ø8mm, ø9.53mm	With flat anvil
7007-10	ø8mm, ø9.53mm	With square anvil

DIMENSIONS



Optional Accessories

- 101461**: Hardened steel flat anvil
 - 101462**: Hardened steel serrated anvil
 - 101463**: Hardened steel domed anvil*
- *Not available for 7007-10



Transfer Stand

SERIES 519

Transfer Stands are designed for comparison measurements of size using a dial indicator or Digimatic Indicator.

FEATURES

- Vertical travel of the gage holder — Dial Gage Stand: 95mm (7007-10: 90mm), Transfer Stand: 320mm
- Fine-adjustment of 1mm is provided for zero-setting of the indicator.
- With interchangeable anvil. Domed anvil (**101463**) is optional.

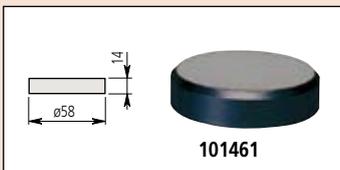


519-109-10
with $\varnothing 58$ mm serrated anvil

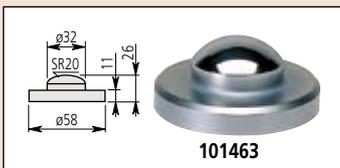
Optional Accessories

101461: Hardened steel flat anvil

101463: Hardened steel domed anvil



101461



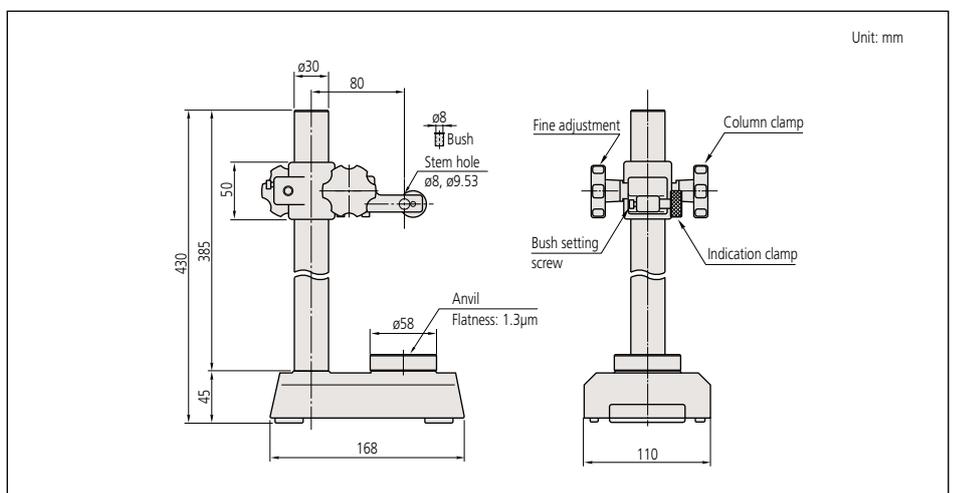
101463

SPECIFICATIONS

Metric

Order No.	Stem hole	Remarks
519-109-10	$\varnothing 8$ mm, $\varnothing 9.53$ mm	With serrated anvil

DIMENSIONS



Granite Comparator Stands

SERIES 215

Mitutoyo's Granite Comparator Stands are basic building-blocks for the assembly of special-purpose, precision measuring equipment. By mounting precision measuring instruments such as Digimatic indicators, Mu-

Checker Cartridge Heads, and Linear Gages onto the stands, it is possible to handle all manner of measuring applications. The rigid granite base is free from burrs, pileups, rust, and deterioration over time.



215-153-10

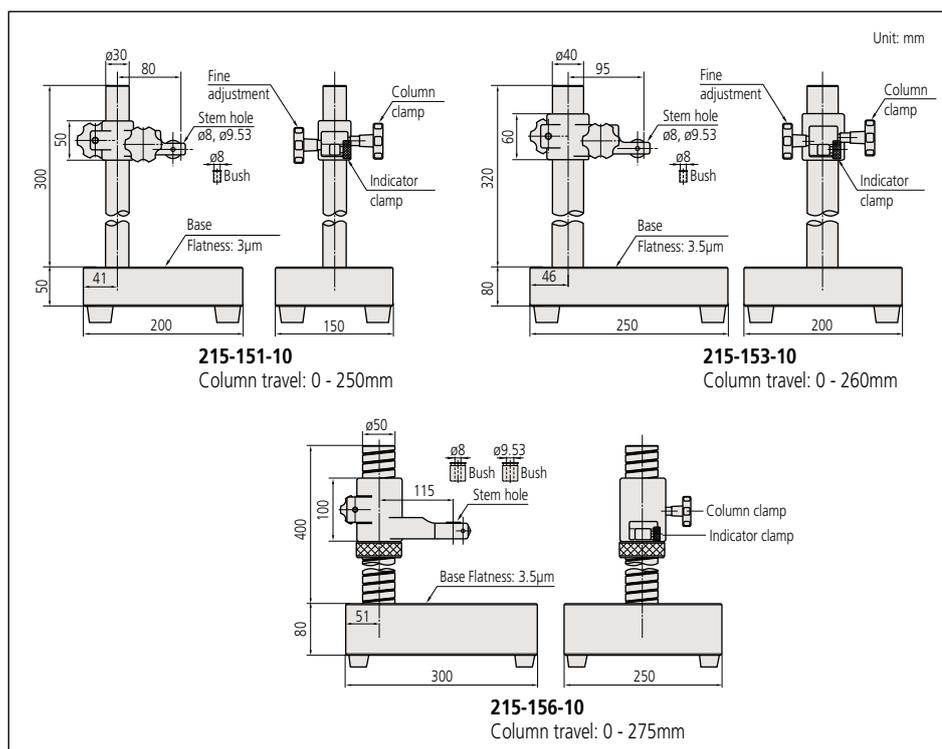
SPECIFICATIONS

Order No.	Granite base size (W x D x H)	Column travel	Stem hole	Remarks
215-151-10	150 x 200 x 50mm	250mm	ø8mm, ø9.53mm	With fine adjustment of 1mm range
215-153-10	200 x 250 x 80mm	260mm	ø8mm, ø9.53mm	With fine adjustment of 1mm range
215-156-10	300 x 250 x 80mm	275mm	ø8mm, ø9.53mm, ø20mm	With fine adjustment over the entire travel

Optional Accessories

21JAA329: ø8mm bush
 21JAA330: ø9.53mm bush
 21JAA331: ø15mm bush
 only available for 215-156-10

DIMENSIONS



Comparator Stands

SERIES 215

Comparator Stands consists of a very stable, cast-iron base and an upright column with a mounting bracket that features fine adjustment. The grid type anvil prevents very flat workpieces from wringing to it.



215-405-10

Optional Accessories

- 21JAA329: $\varnothing 8$ mm bush*
- 21JAA330: $\varnothing 9.53$ mm (3/8") bush*
- 21JAA331: $\varnothing 15$ mm bush*

*Only available for 215-505-10.

SPECIFICATIONS

Order No.	Square anvil size (W x D)	Column travel	Stem hole	Remarks
215-405-10	110 x 110mm	235mm	$\varnothing 8$ mm, $\varnothing 9.53$ mm	With fine adjustment of 1mm range
215-505-10	150 x 150mm	275mm	$\varnothing 8$ mm, $\varnothing 9.53$ mm, $\varnothing 20$ mm	With fine adjustment over the entire travel

DIMENSIONS

