

UNIVERSAL COMPARISON GAUGE



internal/external diameter measurement switch

- Measure outer diameter, inside diameter and center-to-center distance
- Optional accessory: gauge block accessory (code **6881**), gauge block holder (code **6886**)
individual steel gauge blocks (code **4101**)



movable jaw

fixed jaw



Code	Movable jaw stroke*	Fixed jaw movable range**	Accuracy*	Repeatability
2927-M200	10mm/0.4"	140mm/5.6"	±5µm	2µm

* After set zero, accuracy is ±5µm within range of ±2mm from zero position

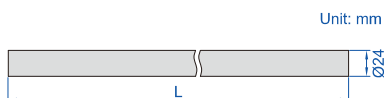
** Extension rods can be optionally to increase the measuring range

Extension rods (optional)



2927-A1000CF

Code	Length (L)	Material
2927-A200	200mm	steel
2927-A500CF	500mm	carbon fiber
2927-A1000CF	1000mm	carbon fiber



Unit: mm

Digital indicator (optional)

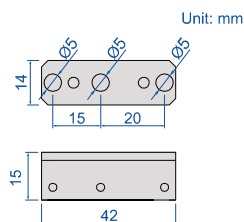


resolution: 0.001mm/0.00005"

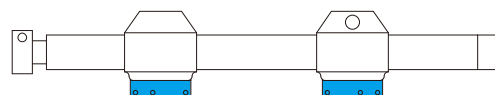
Code	Range
2103-10F	12.7mm/0.5"

Stands (optional, supplied in pair)

Code
2927-H

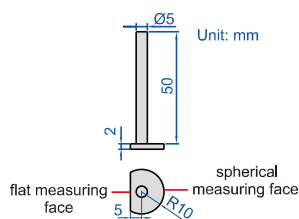


Unit: mm

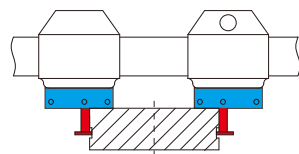


* With 3 mounting holes of Ø5mm, the measuring range will change according to different mounting holes

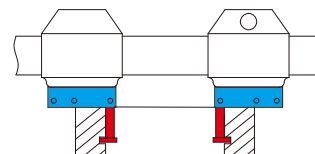
Half disk points (optional, supplied in pair)



Unit: mm



measuring external groove diameter with flat measuring face (depth ≤ 2.5mm)

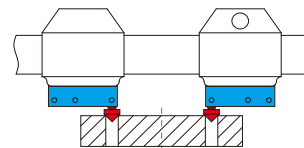
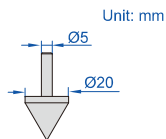


measuring internal groove diameter with spherical measuring face (depth ≤ 7.5mm)

Code	Range of internal diameter	Range of external diameter
2927-S101	40-230mm/1.6-9.2"	40-230mm/1.6-9.2"

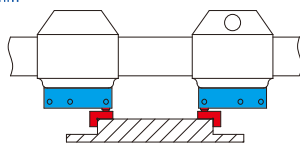
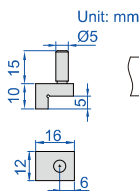
Conical points (optional, supplied in pair)

Code	Measuring range
2927-S102	20-240mm/0.8-9.6"



measuring center-to-center distance

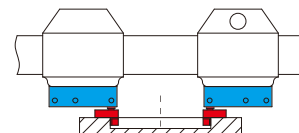
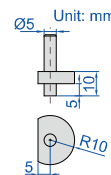
Flat shoulder points (optional, supplied in pair)



measure outside diameter of low boss

Code	Range of external diameter
2927-S103	30-250mm/1.2-10"

Round shoulder points (optional, supplied in pair)



measure inside diameter of shallow hole

Code	Range of internal diameter
2927-S104	25-245mm/1-9.8"

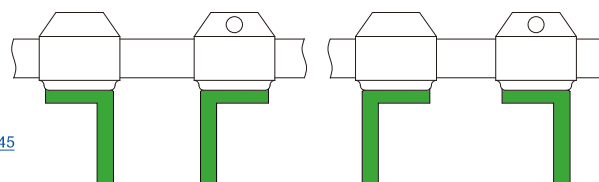
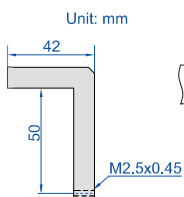
Measuring jaws (optional, supplied in pair)

Code	Repeatability*
2927-J50	3µm

*When installing the measuring jaws



2927-J50



Depth stop (optional, supplied in pair)

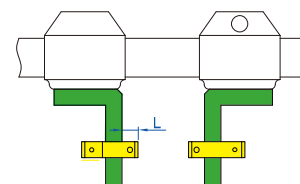
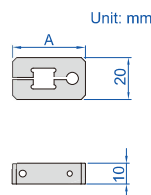
Code	Length(A)	Length(L)
2927-D	40mm	15mm
2927-D1	55mm	30mm
2927-D2	75mm	50mm



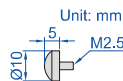
2927-D



2927-D1

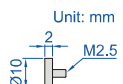


Spherical point (optional, supplied in single)

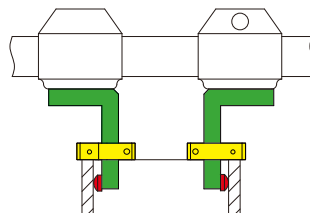


Code	Range of internal diameter
2927-S201	65-265mm/2.6-10.6"

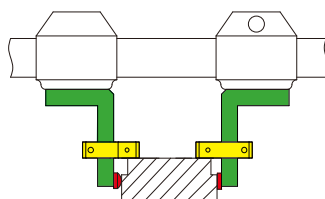
Flat point (optional, supplied in single)



Code	Range of external diameter
2927-S202	25-225mm/1-9"

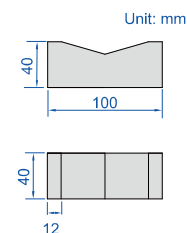


measure inside diameter (2 spherical points)



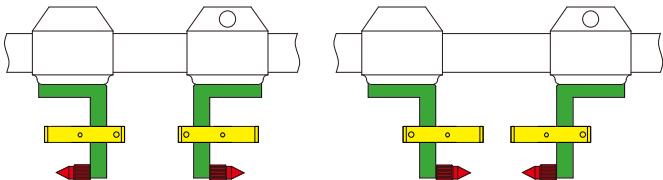
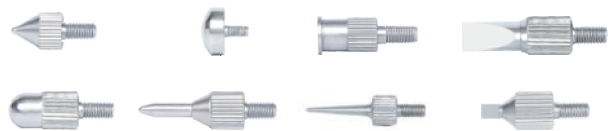
measure outer diameter (1 spherical point, 1 flat point)

V-shaped placement brackets (optional, supplied in pair)



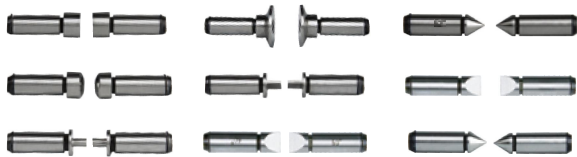
Code
2927-V

Points (optional, supplied in single)



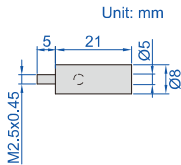
points cannot be rotated

Multifunctional points (optional, supplied in pair)
Code 7392



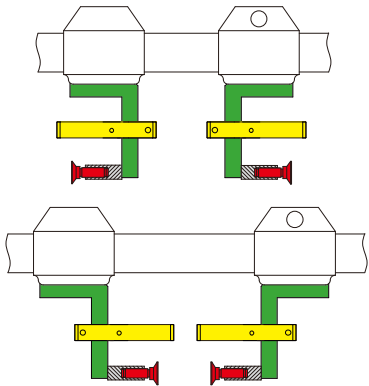
Range of internal diameter	Range of external diameter
110-310mm/4.4-12.4"	50-170mm/2-6.8"

★ It is necessary to use point sleeve (code 2927-T101) and depth stop (code 2927-D2) for these points



Point sleeve
(optional, supplied in pair)

Code
2927-T101



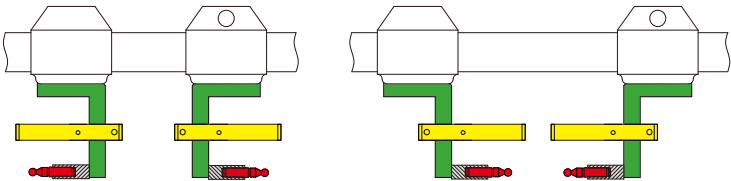
points can be rotated

Ball points (optional, supplied in pair)
Code 7391



Range of internal diameter	Range of external diameter
130-330mm/5.2-13.2"	30-150mm/1.2-6"

★ It is necessary to use point sleeve (code 2927-T101) and depth stop (code 2927-D2) for these points



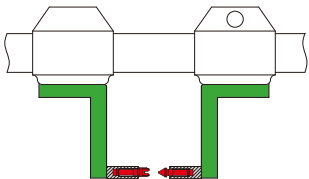
points can be rotated

External thread points (optional, supplied in pair)
Code 7381



Range of external diameter
0-170mm/0-6.8"

★ It is necessary to use point sleeve (code 2927-T101) for these points



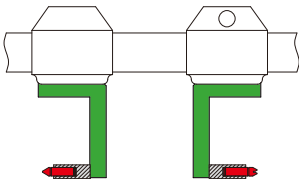
points can be rotated

Internal thread points (optional, supplied in pair)
Code 7321



Range of internal diameter
80-310mm/3.2-12.4"

★ It is necessary to use point sleeve (code 2927-T101) for these points



points can be rotated

Universal Comparison Gauge Set



2927-200A

- Measure internal and external dimensions, such as grooves, shoulders, shallow holes, center to center distances, etc.
- Includes:

- 1) Universal comparison gauge (code **2927-M200**)
- 2) Digital indicator, range 0-12.7mm/0-0.5", resolution 0.001mm/0.00005" (code **2138-10F**)
- 3) Stands (code **2927-H**, supplied in pair)
- 4) Half disk points (code **2927-S101**, supplied in pair)
- 5) Conical points (code **2927-S102**, supplied in pair)
- 6) Flat shoulder points (code **2927-S103**, supplied in pair)
- 7) Round shoulder points (code **2927-S104**, supplied in pair)
- 8) Measuring jaws (code **2927-J50**, supplied in pair)
- 9) Depth stops (code **2927-D**, supplied in pair)
- 10) Spherical point (code **2927-S201**), 2pcs
- 11) Flat point (code **2927-S202**), 2pcs

Code

2927-200A

