

**ABSOLUTE Borematic
SERIES 568 — ABSOLUTE Digimatic Snap-Open Bore Gages**

- The Borematic allows quick and easy measurement with lever operation.
- Titanium-coated measuring pins provide excellent durability and impact resistance.
- Three-Point contact measuring head enables stable measurement.
- Deep holes can be measured by attaching an Extension Rod (optional).



DIMENSIONS

Unit: mm

Range	L ₂	L ₁
6 - 8, 8 - 10, 10 - 12 mm	83	284
12 - 16, 16 - 20 mm	53	255
20 - 25, 25 - 30 mm	59	261
30 - 40, 40 - 50 mm	67	269
50 - 63, 62 - 75, 75 - 88, 87 - 100, 100 - 113, 112 - 125 mm	75	277

Note: External appearance differs depending on the measuring range.

MeasurLink ENABLED
Data Management Software by Mitutoyo



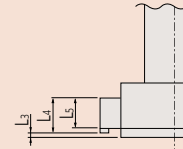
ABSOLUTE™

Measurement example



You can measure the diameter of a blind hole to the bottom.

Range (mm)	L ₃ (mm)	L ₄ (mm)	L ₅ (mm)
6 - 12	2 or below	—	2.5
12 - 20	0.3 or below	5.6	3.5
20 - 30		8.3	5.2
30 - 50		13.0	10.0
50 - 125		17.0	14.0



Functions

- GO/NO-GO judgment
- GO/NO-GO judgment zoom
- 2-Point Preset
- Zero-setting
- Data hold, Error alarm
- Low battery voltage alert
- Data output
- Function Lock
- 330° rotary display
- ON/OFF function
- inch/mm conversion (inch/mm type)

Optional Accessories

Order No.	Type	description
905338	F	Connecting cable (1 m)
905409	F	Connecting cable (2 m)
06AFM380F	F	USB Input Tool Direct (2 m)
02AZD790F	F	Connecting cables for U-WAVE-T (160 mm)
02AZE140F	F	Connecting cables for U-WAVE-T For foot switch

For details of Special-order Products, refer to page C-57.

SPECIFICATIONS

Metric		Individual			
Order No.	Range*2 (mm)	Resolution (mm)	Maximum permissible error J_{MPE} (μm)*1	Mass (g)	Extension Rod (optional)
568-361	6 - 8	0.001	± 5 (maximum difference 5)	480	952322 (100 mm)
568-362	8 - 10			485	
568-363	10 - 12			485	
568-364	12 - 16			475	952621 (150 mm)
568-365	16 - 20			480	
568-366	20 - 25			540	952622 (150 mm)
568-367	25 - 30		555		
568-368	30 - 40		565		
568-369	40 - 50		610		
568-370	50 - 63		730	952623 (150 mm)	
568-371	62 - 75		740		
568-372	75 - 88		790		
568-373	87 - 100		800		
568-374	100 - 113		900		
568-375	112 - 125		910		

Inch / Metric		Individual			
Order No.	Range*2 (in)	Resolution	Maximum permissible error J_{MPE} (in)*1	Mass (g)	Extension Rod (optional)
568-461	0.275 - 0.35	0.00005 in/ 0.001 mm	± 0.00025 (maximum difference 0.00025)	480	952322 (100 mm)
568-462	0.35 - 0.425			485	
568-463	0.425 - 0.5			485	
568-464	0.5 - 0.65			475	952621 (150 mm)
568-465	0.65 - 0.8			480	
568-466	0.8 - 1			540	952622 (150 mm)
568-467	1 - 1.2		555		
568-468	1.2 - 1.6		565		
568-469	1.6 - 2		610		
568-470	2 - 2.5		730	952623 (150 mm)	
568-471	2.5 - 3		740		
568-472	3 - 3.5		790		
568-473	3.5 - 4		800		
568-474	4 - 4.5		900		
568-475	4.5 - 5		910		

- Response speed: Unlimited
- Battery: SR44 (1 pc.), **938882**, for initial operational checks (standard accessory)
- Scale type: Electrostatic capacitance type absolute encoder
- Battery life: Approx. 5,000 hours in continuous use

*1 Additionally, the difference in permissible error allowable is limited to a value within this range, as given in parentheses, and is measured with the entire measuring surface in contact with the object measured.

*2 The measurement range cannot be enlarged by measuring heads that are not standard-supplied (the accuracy is not guaranteed).

Note: Setting rings are optional.