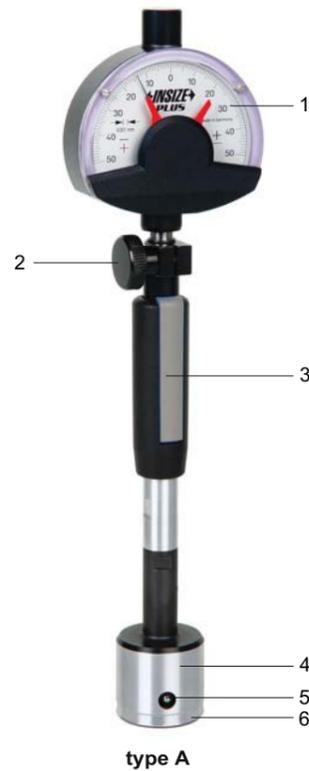


		(mm)									
Range		2-3	3.1-4	4.1-6	6.1-9	9.1-12	12.1-20	20.1-40	40.1-60	60.1-130	130.1-300
Type		A	A	A	A	A	A	A	A	A	B
Travel of point(s)		0.15	0.15	0.15	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Height of point (h)	standard	1	1.5	1.5	2.5	2.5	2.5	3.5	3.5	4	6
	for through bores	—	6	6	6	10	10	10	10	10	—
	for blind bores	0.7	1	1	1	1	1	1.2	1.2	1.2	3
Height of probe (H)		17.5	26	10	15	15	15	20	28	33	—
Repeatability		0.001	0.001	0.001	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.002



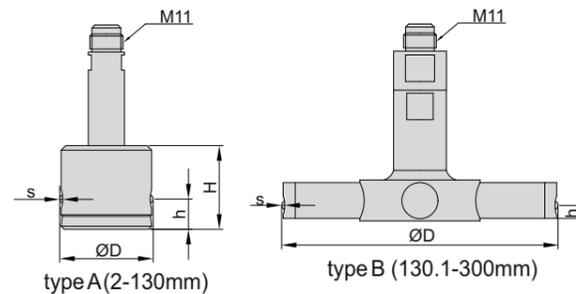
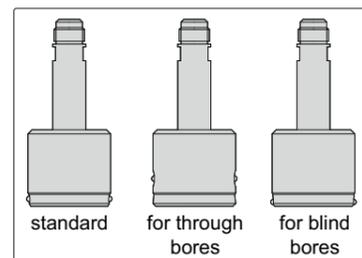
type A



type B

- 1-Dial indicator (optional)
- 2-Locking nut
- 3-Handle
- 4-Sleeve
- 5-Probe
- 6-Chamfer

### 1. Probe and sleeve:



type A (2-130mm)

type B (130.1-300mm)

### 2. Optional accessory:

#### 1) Depth stop

Used to set the measurement depth:

--- There are two types: 4653-G is suitable for bore plug gage with measuring range of 3-60mm, 4653-J is suitable for bore plug gage with measuring range of 30-130mm.

--- Place the bore plug gage on a flat surface. After installing the depth stop, select the appropriate gage block according to the required measurement depth, place the gage block under the depth stop for positioning. After confirming the position, tighten the depth stop.

--- Installation complete



4653-G



4653-J



set measuring depth

#### 2) Handle for inductive probe

Used for inductive measurement:

--- Select the appropriate probe according to the workpiece to be measured, install it on the front end of the inductive probe bushing, then install the inductive probe wire through the tail.

--- Installation complete



4653-F110



application

#### 3) Handle

Choose appropriate handle according to the measurement needs.

Handle		(mm)
Code	Length(L)	Retraction
4653-150	45	without
4653-1105	105	without
4653-1235	235	without
4653-H70	70	with

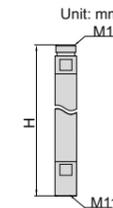


retraction button

#### 4) Extension rod for handle

If the handle length does not meet the measurement requirements, choose a suitable length of handle extension rod for installation.

Extension rod for handle		(mm)
Code	Length(H)	
4653-R50	50	
4653-R100	100	
4653-R250	250	
4653-R500	500	



Unit: mm

M11

M11

#### 5) 90° adapter

Suitable for occasions where measurement is not convenient in ordinary ways.

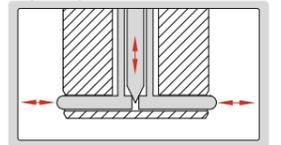


4653-K1

application



principle of measurement



### 3. Measurement:

#### (1) Install bore plug gage

--- Install probe and dial indicator, and lock the parts, ensure reliable installation.

--- Try pressing the probe, the dial indicator movement should be smooth, flexible and not stuck.

(2) Choose a setting ring equal to or close to the nominal diameter of the measured hole to calibrate the zero point, put the bore plug gage into the setting ring, adjust the dial indicator reading to zero.

(3) Measurement: Put the bore plug gage into the hole to be measured and read the measurement result, the deviation of the pointer from the zero reading is the difference between the measured aperture and the diameter of the setting ring.

4. Optional accessory: dial indicator, dial comparator, setting ring, handle, extension rod for handle, depth stop, handle for inductive probe, 90° adapter, stand for split dial bore gage.

5. When measuring, the bore plug gage should not be hit or knocked. The product should be oiled after use to prevent rust.

MN-4653-C/E