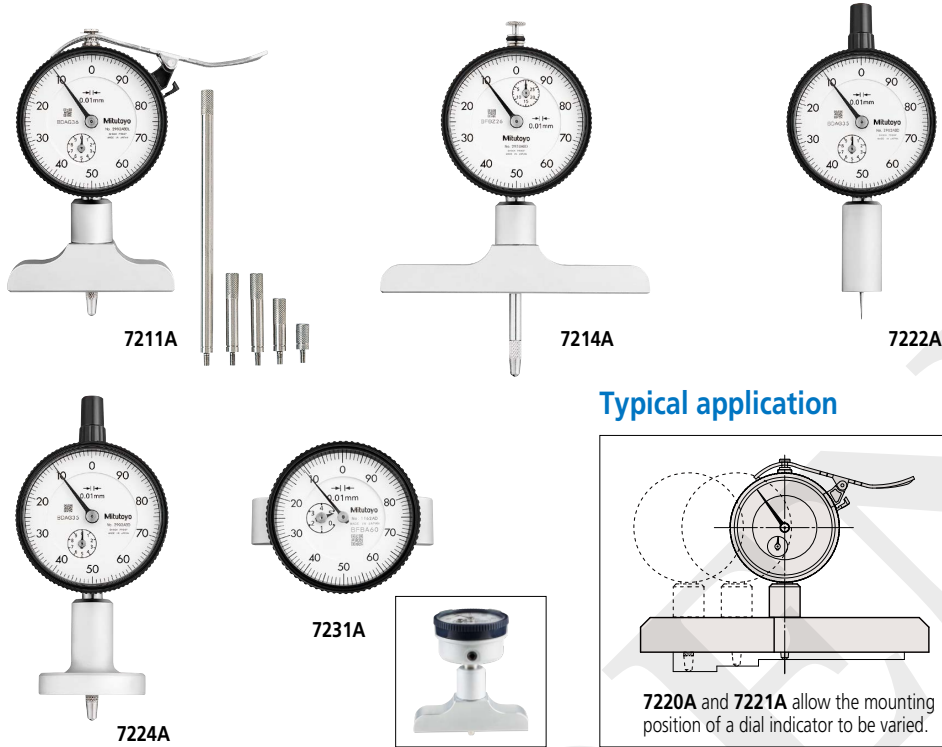


Depth Gage

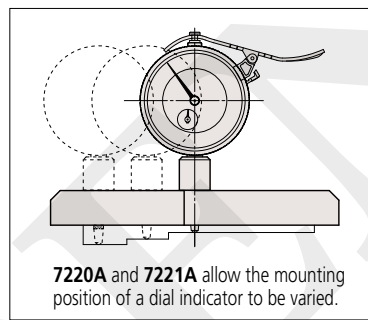
A standard measuring tool of industry

Dial Depth Gage SERIES 7

- Optimal for hole, narrow groove and step measurement.



Typical application



7220A and 7221A allow the mounting position of a dial indicator to be varied.

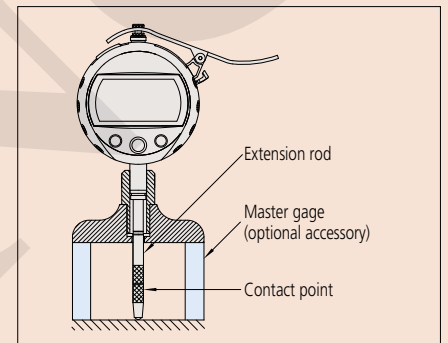
Precautions

Note 1

- Caution should be exercised when exchanging a contact point of a Depth Gage (Dial/Digimatic Indicator):
- If a different size contact point is mounted, displacement of the contact point from the base contact surface will be changed and as a result, measurement range may not be maintained.
 - A contact point cannot be mounted to a Depth Gage if its diameter is too large for the hole diameter of the base.
 - Parallelism adjustment with the bottom face of the base is required when mounting a flat contact point such as the flat/needle or carbide-tipped contact point.

Note 2

- Caution should be exercised when using an extension rod:
- If the total length of the extension rod exceeds 110 mm (4.5 in) use the instrument in a vertical position (contact point downward).
 - Use a master gage (such as gauge blocks) to perform zero-setting when the extension rod is mounted. (Master gage is an optional accessory.)



Note 3

- Caution should be exercised when indicators are used on a Depth Gage:
- When the indicator is exchanged and a longer extension rod is connected, the contact-point may deflect significantly with an adverse effect on measuring accuracy.
 - Order No.543-400B/543-402B for Depth Gage has a measuring force less than 1.5 N.

SPECIFICATIONS

Metric

Order No.	Range (mm)	Graduation (mm)	Stroke (mm)	Accuracy (μm)	Measuring force (N)	Base				Contact point ^{Note 1}	Extension rod ^{Note 2}	Indicator ^{Note 3} (dial indicator)	
						W (mm)	T (mm)	Flatness (μm)	Mounting position of a dial indicator				
7210A	0 - 10	0.01	10	±15	1.4	40	16	5	1	Provided with a needle point (137413)	—	2902ABD for Depth Gage	
7211A	0 - 200					63.5				Provided with a carbide-tipped ball point (21JAA224)		5 pcs. (10, 20, 30, 30, 100 mm)	2902ABDL for Depth Gage
7212A						101.6				Provided with a carbide-tipped ball point (21JAA225)		3 pcs. (30, 60, 90 mm)	2952ABD for Depth Gage
7213A	0 - 210		30	±30	2.5	63.5	18	2	3	Provided with a carbide-tipped ball point (21JAA224)	5 pcs. (10, 20, 30, 30, 100 mm)	2902ABDL for Depth Gage	
7214A						101.6				Provided with a needle point (137413)			—
7220A	0 - 200		10	±15	1.4	100	1	1	1	Provided with a carbide-tipped ball point (21JAA224: 17 mm)	5 pcs. (10, 20, 30, 30, 100 mm)	1162AD for Depth Gage (Back plunger type)	
7221A						150							
7222A	0 - 10		±15	1.4	1.4	∅16	1	1	1	Provided with a carbide-tipped ball point (21JAA224: 17 mm)	5 pcs. (10, 20, 30, 30, 100 mm)	1162AD for Depth Gage (Back plunger type)	
7223A						∅25							
7224A						∅40							
7231A	0 - 200	5	5	±15	1.4	63.5	16	1	1	5 pcs. (10, 20, 30, 30, 100 mm)	Interchangeable contact point (21JAA226: 22 mm)	1162AD for Depth Gage (Back plunger type)	

Inch

Order No.	Range (in)	Graduation (in)	Stroke (in)	Accuracy (in)	Measuring force (N)	Base				Contact point ^{Note 1}	Extension rod ^{Note 2}	Indicator ^{Note 3} (dial indicator)
						W (in)	T (in)	Flatness (in)	Mounting position of a dial indicator			
7217A	0 - 8	0.001	1	±0.002	2.0	2.5	0.63	0.0002	1	Provided with a carbide-tipped ball point (21JZA242: 0.7 in)	3 pcs. (1 in, 2 in, 4 in)	2904ABD for Depth Gage
7218A						4						
7237A			0.2		1.4	2.5	4	Interchangeable contact point (21JZA243: 0.9 in)	4 pcs. (0.5 in, 1 in, 2 in, 4 in)		1168AD for Depth Gage (Back plunger type)	
7238A						4						

