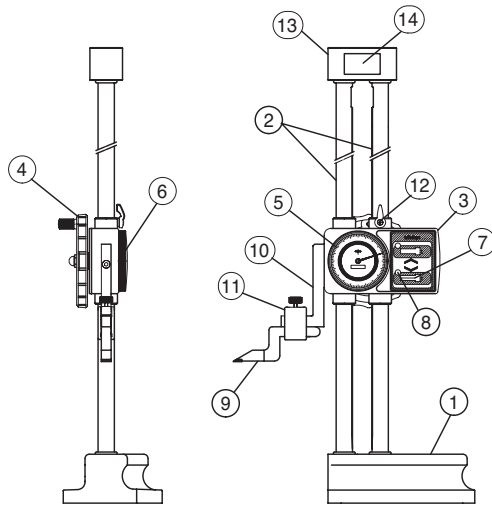


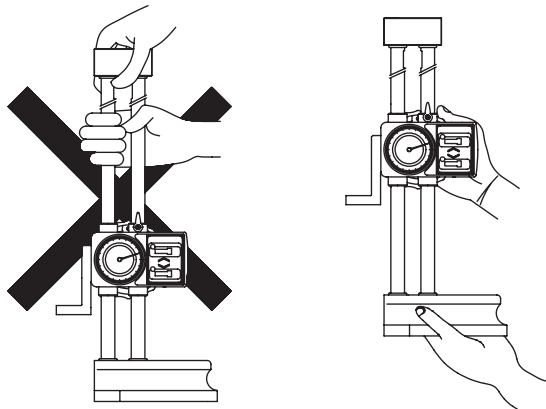
Dial Height Gage

MANUAL No. 2080 (3)
SERIES No. 192

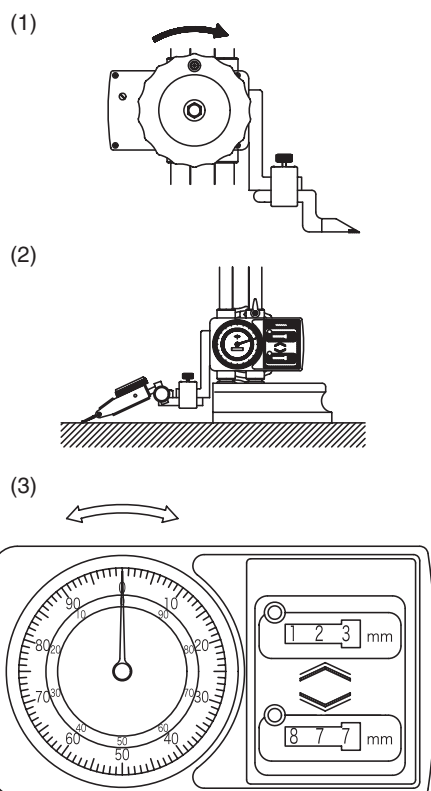
[1]



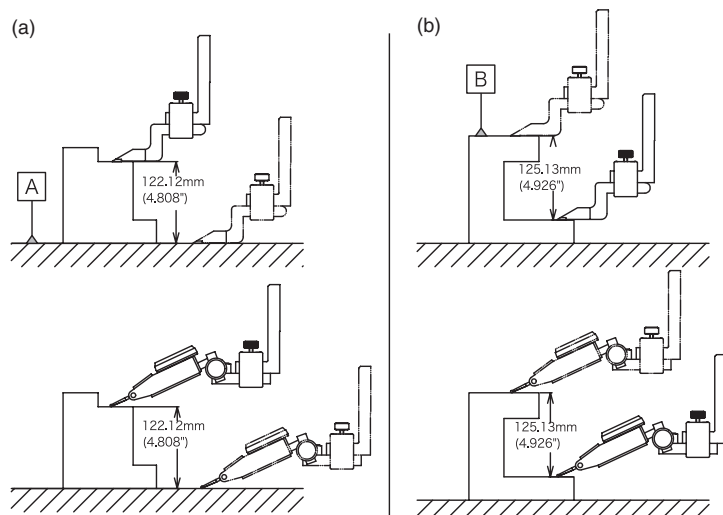
[3] (b)



[4]



[5]



[1] Names of Parts

- | | | | |
|------------------|--------------------------------|--------------------|-------------------|
| (1) Base | (2) Column | (3) Slider | (4) Feed wheel |
| (5) Dial | (6) Bezel | (7) Counter | (8) Reset button |
| (9) Scriber | (10) Jaw | (11) Scriber clamp | (12) Slider clamp |
| (13) Fixing beam | (14) Don't Touch Columns label | | |

[2] Attaching the Scriber

Attach the scriber observing the precautions below.



- Take special care when handling the scriber as it has a knife-edge.
- Set the scriber clamp as far as it will go on the jaw, then tighten it.
- Tighten the scriber as close as possible to the columns. If the scriber must be used in an extruded position, take care not to apply excessive measuring force.
- Be sure to securely tighten the scriber.

[3] Preparations for Measurement

- Wipe off all chippings and dust from the bottom surface (reference) of the base and the scriber tip using a clean cloth.
- Holding the height gage by the fixing beam (13) to move it may impair its measuring accuracy. To move the height gage, hold the bottom surface of the base while gently supporting the rear side of the slider.
- Before measuring, check the zero point.

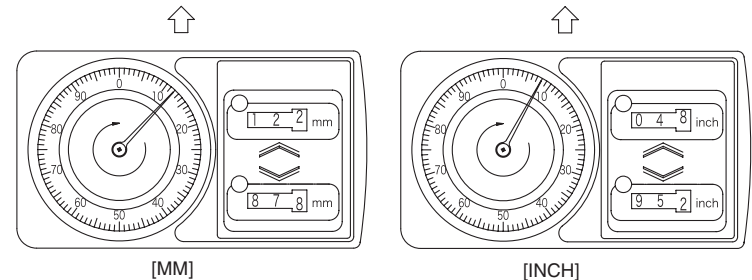
NOTE To move the slider, first loosen the slider clamp (12), then turn the feed wheel.

[4] Setting the Zero Point

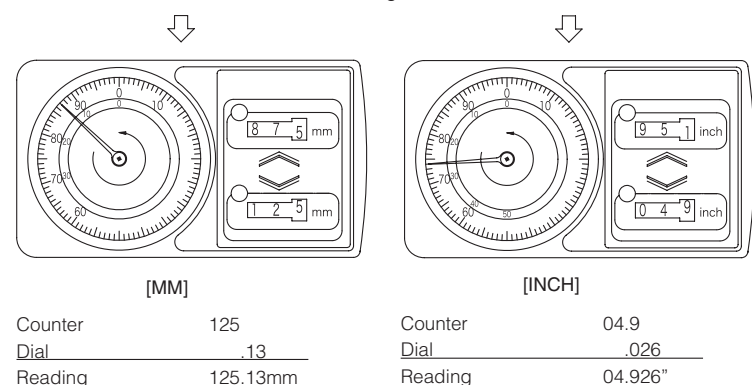
- To move the slider downward, loosen the slider clamp, then turn the feed wheel in the direction of the arrow.
- Gently bring the scriber or the test indicator's contact point into contact with the reference surface.
- If the pointer does not point to zero position on the dial, gently turn the bezel to obtain a zero reading.
- Gently press the counter reset button to reset the counter to zero.

[5] Measurement

- To measure the height upwards from the reference surface (A), take the readings from the TOP counter and large figures on the dial.



- When shifting the slider downwards from the reference surface (B), take the readings from the BOTTOM counter and the small figures on the dial.



IMPORTANT

- If the slider is moved past the target point while setting the zero point or measuring, move the slider back past the target point, then move it again slowly.
- Do not move the slider up and down by holding it. It may cause a trouble. Be sure to use a feed wheel.

[6] After Measurement

- After measuring, lower the slider until the scriber is only slightly above the surface plate, and put the provided dust protection cover on the columns.
- If you intend not to use the instrument for an extended period of time, apply some anti-corrosive oil to the bottom surface of the base and the mounting surface of the scriber. Also remove the scriber.

IMPORTANT

- If dust adheres to the racks on the columns, it may cause malfunctions and degrade the measuring accuracy.
- Carefully wipe the columns with a clean cloth and apply a small amount of anti-corrosive oil.

Mitutoyo

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