

Replacing bezels and graduation plates

A bezel and graduation plate must be swaged together so that the graduation plate always rotates with the bezel. Assemblies comprised of a swaged bezel and graduation plate are available for some models.

Code No. of dial indicators	Code No. of swaged assemblies
2046A	21AZB650
2109A-10	21AZB693



Pointer removing tip (ø0.5) (126630B)



Pointer removing tip (ø0.8) (126630)



Pointer removing tip (ø1.6) (126630C)



Pointer removing tool (126628)



Adjustable nut (100699)



Pinion rest (129735)



Pin rest (129731)



Spindle rest (129730)



Reamer for pointer (ø0.5: 1/20 taper) (21JAA273)



Punch (129733)



Reamer (ø0.6: 1/50 taper) (193702)



Bearing adjuster (129734)



Reamer (ø1: 1/50 taper) (129736)



Pin remover (129732)

Special repairing technique is necessary for repair work. Note that we cannot guarantee accuracy if critical parts are disassembled. We recommend that you use our repair service to operate the instrument with peace of mind.

Typical applications

Remove the long hand

Select an appropriate pointer removing tip for the diameter of the hole of the long hand, and attach it to the pointer removing tool using the adjustable nut. Push the pivot with the pointer removing tool to remove the long hand.

Remove or replace a pin

Place the spindle on the V-groove of the spindle rest. Remove the pin using the pin remover and a commercially available hammer.

To press-fit the pin, tap it directly using a hammer, etc.

Replace the long or little hand

Screw the pinion rest into the pin rest. Support the pinion with the pinion rest and press-fit the pointer using the punch and a commercially available hammer,

etc. When replacing with a new pointer on an old type of dial indicator or test indicator, reaming is necessary before press-fitting. Use a commercially available pin device (for ø0.8 to 1.2) with one of the following reamers attached.

- Pointers of dial indicators (A type) and TI-X Series*1 do not require a reamer.
- Use the reamer for pointer (ø0.5: 1/20 taper) for S type and T type dial indicators*2.
- Depending on the shaft diameter, use reamer (ø1: 1/50 taper) or reamer (ø0.6: 1/50 taper) for F type dial indicators and other than TI-X Series dial test indicators.

*1 Dial test indicator whose model No. ends in "X".

*2 Dial indicator whose code No. includes an "S" and "T".