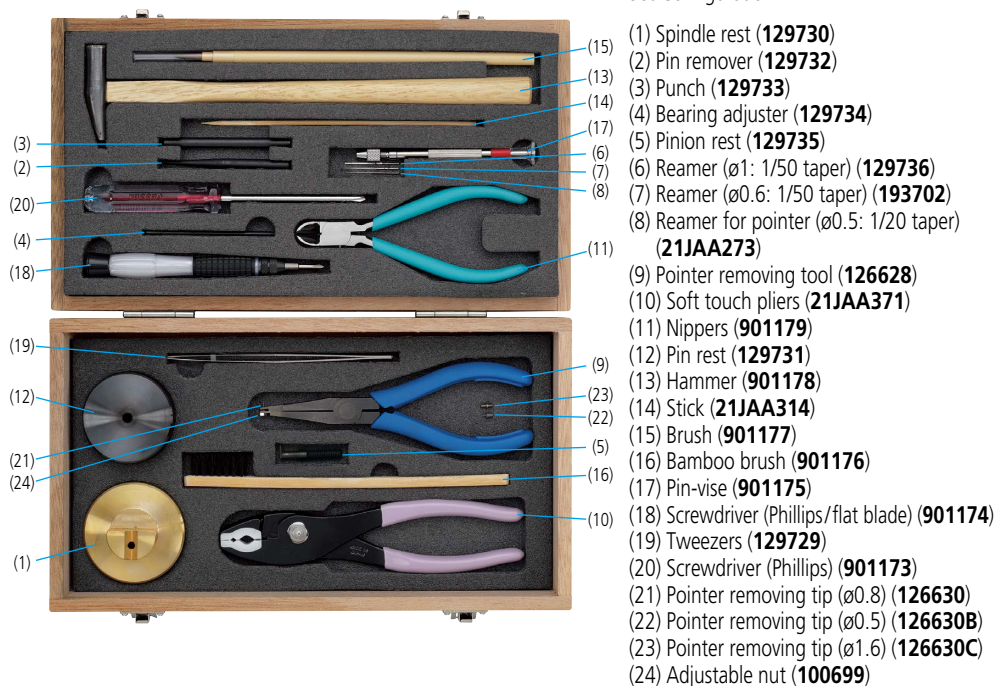


# Dial Indicators

## Dial Indicator Repair Tool Kit

### Set order No. 7823EU

Set Configuration



- (1) Spindle rest (**129730**)
- (2) Pin remover (**129732**)
- (3) Punch (**129733**)
- (4) Bearing adjuster (**129734**)
- (5) Pinion rest (**129735**)
- (6) Reamer (ø1: 1/50 taper) (**129736**)
- (7) Reamer (ø0.6: 1/50 taper) (**193702**)
- (8) Reamer for pointer (ø0.5: 1/20 taper) (**21JAA273**)
- (9) Pointer removing tool (**126628**)
- (10) Soft touch pliers (**21JAA371**)
- (11) Nippers (**901179**)
- (12) Pin rest (**129731**)
- (13) Hammer (**901178**)
- (14) Stick (**21JAA314**)
- (15) Brush (**901177**)
- (16) Bamboo brush (**901176**)
- (17) Pin-vise (**901175**)
- (18) Screwdriver (Phillips/flat blade) (**901174**)
- (19) Tweezers (**129729**)
- (20) Screwdriver (Phillips) (**901173**)
- (21) Pointer removing tip (ø0.8) (**126630**)
- (22) Pointer removing tip (ø0.5) (**126630B**)
- (23) Pointer removing tip (ø1.6) (**126630C**)
- (24) Adjustable nut (**100699**)

### Typical applications

#### Remove the long hand

Position the pointer removing tool (No. 9) on the hole diameter of the minute hand. Push the pivot with the pointer removing tool to remove the long hand.

#### Remove the little hand

Remove the little hand with the nippers (No. 11).

#### Adjust a bearing

Press the steel or jeweled bearing into its housing using the bearing adjuster (No. 4).

#### Remove or replace a pin

Place the spindle on the groove of the spindle rest (No. 1). Remove the pin with the pin remover (No. 2) and the hammer (No. 13). Tap the pin directly with the hammer (No. 13) to replace the pin.

#### Replace the long or little hand

Screw the pinion rest (No. 5) into the pin rest (No. 12). Support the pinion with the fixed pinion rest, and replace the hand with the punch (No. 3) and hammer (No. 13). Reaming is necessary when replacing with a new hand. Use reamers as follows:

- The hands of DG Series A-type and TI-X Series\*1 dial test indicators do not require reaming.
- Use the reamer for pointer (No. 8) (ø0.5: 1/20 taper) for S type and T type dial indicators\*2.
- Depending on the shaft diameter, use reamer (No. 6) (ø1: 1/50 taper) or reamer (No. 7) (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 order No. includes an "S", "T" and "A".

### 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.

Order No. of dial indicators	Order No. of swaged assemblies
<b>2046A</b>	<b>21AZB650</b>
<b>2109A-10</b>	<b>21AZB693</b>