

Spindle Lifting Lever and Cable Optional Accessories for Digimatic and Dial Indicators

Spindle Lifting Lever (F type)

21BZA205*1*3

Use for F type SERIES 1 dial indicators.



902011*3

Use for F type SERIES 2 dial indicators (up to 10 mm/0.4 in range).



903424*1*3

Use for F type SERIES 2 dial indicators (up to 20 mm/0.8 in range) and SERIES 3 and 4 dial indicators (up to 10 mm/0.4 in range).



Spindle Lifting Lever (S type)

902100*1

Use for S type SERIES 1 and F type SERIES 2 (up to 10 mm/0.4 in range) dial indicators.



21AZB149*2

Use for S type SERIES 2, 3, and 4 dial indicators (up to 10 mm/0.4 in).



21AZB150*2

Use for S type SERIES 2 and 3 dial indicators (from 10 mm/0.4 in up to 20 mm/0.8 in).



Spindle Lifting Lever (for ID-SS, ID-SX, ID-CX)

21EZA198*1*3



*1 Before use, replace the stop screw with the standard accessory.
*2 Use the stop screw already fixed to the dial indicator body.
*3 Stop screw is for mm model.

Dial Indicators

Comparison measuring instruments which ensure high quality, high accuracy and reliability.

Spindle Lifting Cable

- The spindle can be moved up and down using the lifting lever or the release.

Lifting cable

Stroke: 10 mm



21JZA301: with auto-stop function (300 mm)

21JZA295: without auto-stop function (500 mm)

Note: This accessory is not applicable to dial indicators with a range of 20 mm or more. Applicable models are: **2048S(B)-10**, **2046S(B)-80**, **1911T(B)-10**, **1913T(B)-10**, **1921T(B)-10**, **1923T(B)-10**, **1925T(B)-10**, **2971TB**, **2972TB**, **2973TB**, **2976TB**, **2977TB**, **2978TB** and waterproof type.

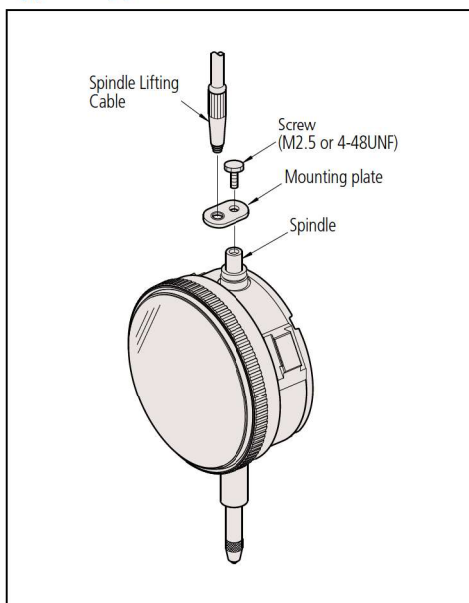
Spindle Lifting Lever

137693

Suitable for 4.8 mm spindle diameter.



Typical application



Limit Stickers

- Stuck onto the dial indicator's dial face or crystal, these stickers indicate the tolerance limits. They are available in three colors: red, green, and yellow. They are available only for Series 2 dial indicators (55.6 mm or 57 mm bezel/outside diameter).



Red



136420
(10 sheets/set)

Green



136421
(10 sheets/set)

Yellow



136422
(10 sheets/set)

Color-coded Spindle Caps

- 9 color-coded spindle caps are available for dial indicators with a range of 10 mm or less.



Note: When attaching to small dial indicators, the measuring range height will be 8 mm taller.

Color	Order No.	
	Standard	Waterproof
Black	193051	193595
White	193051W	193595W
Red	193051R	193595R
Green	193051G	193595G
Blue	193051B	193595B
Yellow	193051Y	193595Y
Orange	193051D	193595D
Pink	193051P	193595P
Navy	193051S	193595S

Note: This accessory is not applicable to 1003T(B), 1911T(B)-10, 1913T(B)-10, 1921T(B)-10, 1923T(B)-10, 1925T(B)-10, 2971TB, 2972TB, 2973TB, 2976TB, 2977TB, 2978TB.

Dial Indicators

Comparison measuring instruments which ensure high quality, high accuracy and reliability.

Dial Indicator Repair Tool Kit

Set order No. 7823EU

Set Configuration



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

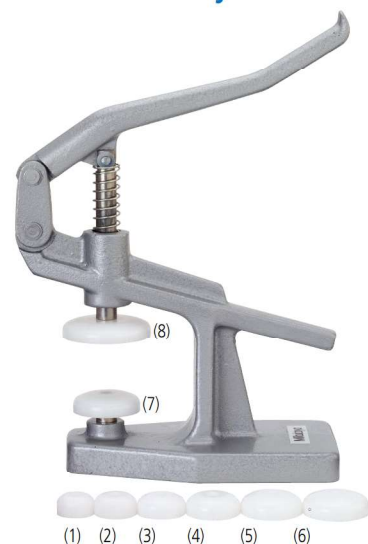
Screw the pinion rest (No. 5) into the pin rest (No. 12). Support the pinion with the fixed pinion rest, and replace the hand with the punch (No. 3) and hammer (No. 13). Reaming is necessary when replacing with a new hand. Use reamers as follows:

- The hands of 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" or "T".

Dial Indicator Crystal Setter



Order No. 7000

- Used for fitting a crystal on dial indicators (1003, 1911, 1913-10, 1003T, 1911T-10, 1913T-10, and 4046S) and dial test indicators (pocket type) with a non-integrated molded crystal.
 - 8 sizes of crystal setting pads are supplied as standard.
 - Typical applications
 Nos. 2 and 3: Bezel outside diameter of approx. ø28
 Nos. 3 and 4: Bezel outside diameter of approx. ø35
 - Size of crystal setting pads (mm)
 (1) ø19.5 (2) ø22.5 (3) ø25.5 (4) ø28.5
 (5) ø32.5 (6) ø35 (7) ø38 (8) ø50
 - Crystal setting pads set (including No. 1 to No. 8): 21JAA032
- Note: Crystal setting pads for large dial indicators (SERIES 3 and 4) are available by special order.

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
2046S	21AZB132
2109S-10	21AZB138
2046F	903457
2109F	903464