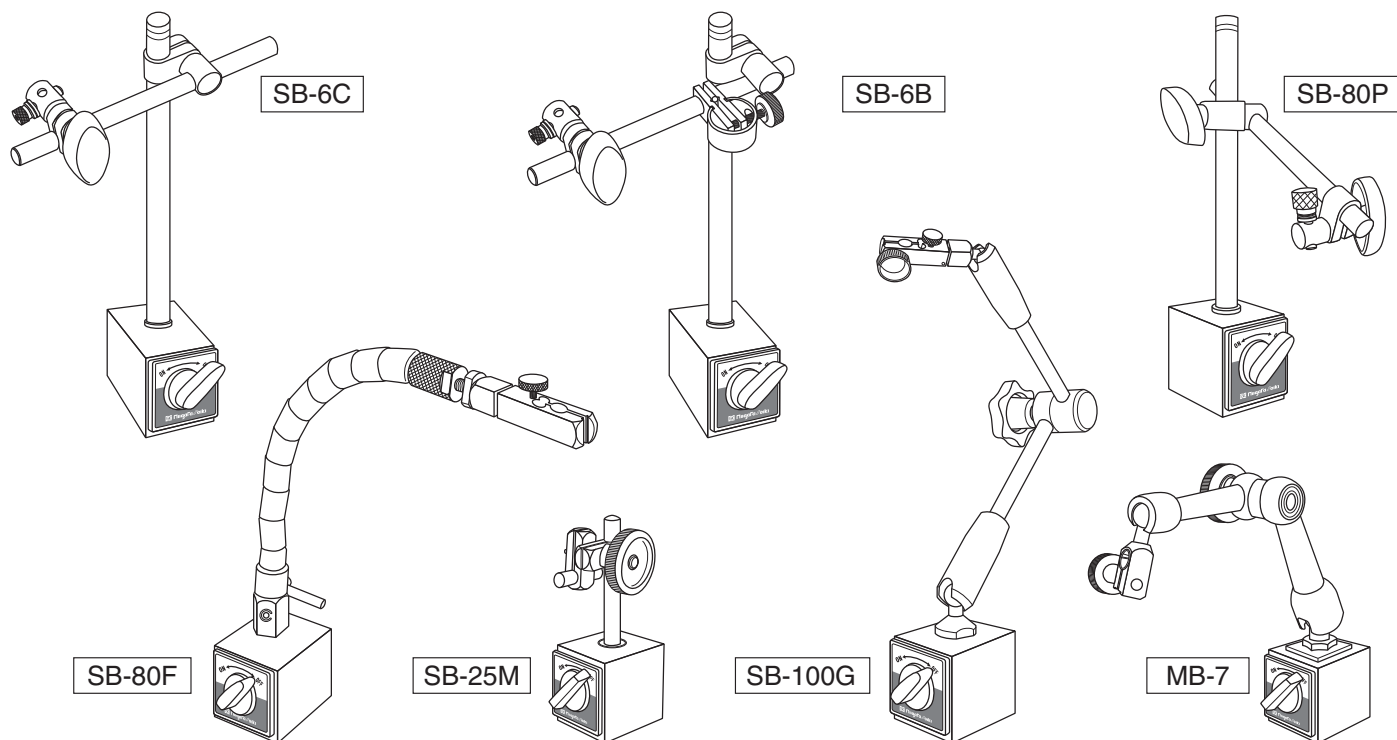


SB-6C	SB-6B	SB-80P
SB-80F	SB-25M	SB-100G
MB-7		



INSTRUCTION MANUAL

Thank you for purchasing the Niigata Seiki Magnetic Base.

Please read this manual thoroughly before use, and keep with product for future reference.

1 SAFETY WARNINGS

(1) Strong magnetic fields are present.

- Keep sensitive equipment, such as watches or personal computers from product as it may cause harm.
- Pacemaker wearers - Tool contains strong magnetic field, do not handle.

(2) Magnetic field creates strong forces.

- When brought close to material such as steel plate, magnetic forces can create a sudden attraction with potential for injury to fingers and hands. Wear gloves when handling.
- Make sure ON/OFF Lever is in OFF position before bringing close to steel or iron.

(3) Force of attraction will vary.

- Please note that the attraction force is reduced for the following conditions:
 - If target surface is thin.
 - If target material is not mild steel.
 - If surface is uneven, painted, or dirty.
- Magnet force required to prevent sliding is much higher. Extra care is required for use on vertical surfaces.
- Surface that are vibrating or slippery will make it easier for magnet to peel off.

(4) Please check for sufficient holding force.

- Before use, always test magnet on target surface to make sure the attractive force is sufficient.

(5) Support the tool when operating the ON/OFF Lever.

- Caution: accidental switching of ON/OFF Lever may cause tool to fall or a dangerous condition. Always support the tool when operating the ON/OFF Lever.

(6) Use care when storing magnetic tool.

- Store with ON/OFF Lever in the OFF position to prevent accident caused by inadvertent attraction if brought near a metal object during storage.

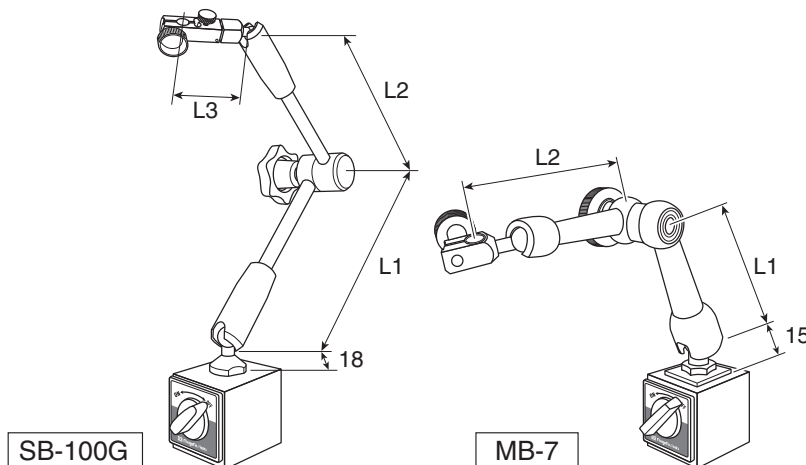
(7) This product is designed for industrial use.

- This is a high power tool designed for use in industrial applications. If used in office or residential environment, please use caution.

2 SPECIFICATIONS

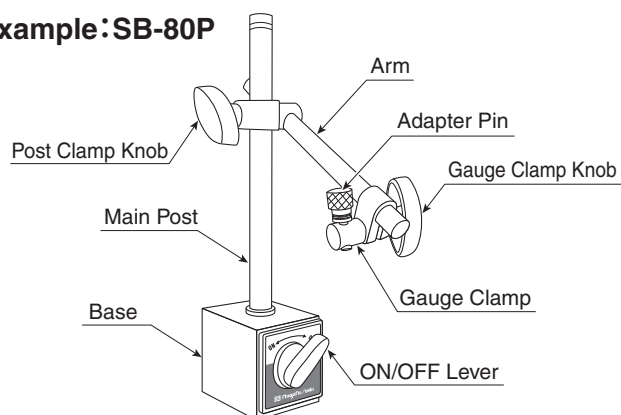
Model No.	Features	Dial Gauge Mounting	Magnetic Force (approx.)	Base Dimensions W×D×Hmm	Main Post $\phi \times L$ mm	Arm $\phi \times L$ mm	Main Post Thread Size	Weight (g)
SB-6C	Standard	$\phi 6.0\text{mm}/$ $\phi 8.0\text{mm}/$ Lugged	800 N (180 lb)	50×60×55	12×178	10×165	M8	1500
SB-6B	w/ Fine adjust							
SB-80P	Thick Post	$\phi 6.0\text{mm}/$ $\phi 8.0\text{mm}/$ Lugged	800 N (180 lb)	50×60×55	14×181	12×165	M8	1500
SB-80F	Flexible (w/ Fine adj.)	$\phi 6.0\text{mm}/$ $\phi 8.0\text{mm}/$ Dovetail	800 N (180 lb)	50×60×55	16×340	—	M8	1300
SB-25M	Mini	$\phi 6.0\text{mm}/$	250 N (55 lb)	30×35×35	7×54	—	M5	270
SB-100G	Central Lock (w/ Fine adj.)	$\phi 6.0\text{mm}/$ $\phi 8.0\text{mm}/$ Dovetail	1000 N (225 lb)	50×75×55	L1 × L2 × L3 145 × 125 × 50 (refer to illust below)	—	M8	1700
MB-7	Mini Lock	$\phi 6.0\text{mm}/$ $\phi 8.0\text{mm}/$ Dovetail	250 N (55 lb)	30×35×35	L1 × L2 58 × 64 (refer to illust below)	—	M5	550

Please Note : Mini-Type Magnetic Base may not be strong enough to support a large Dial Gauge. When Using a Mini-Type Base, please check to make sure attractive force is sufficient to support the Gauge. If force is not strong enough, Base may fall off unexpectedly causing injury or equipment damage.

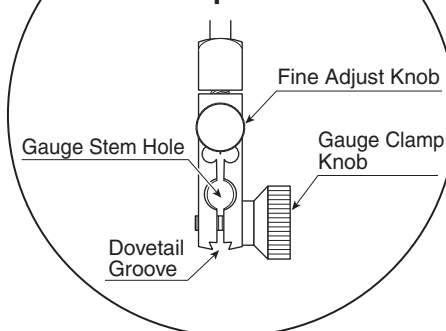


3 PARTS IDENTIFICATION

Example: SB-80P



SB-80F, SB-100G, MB-7
Clamp Detail



※Gauge Stem Hole is supplied with a bushing for use with Gauges that have $\phi 6\text{mm}$ stem. Please use as required to fit the Gauge Stem.

4 HOW TO USE

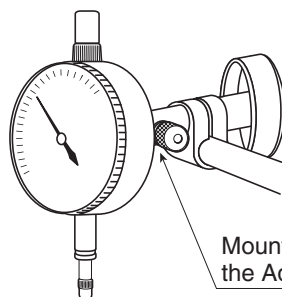
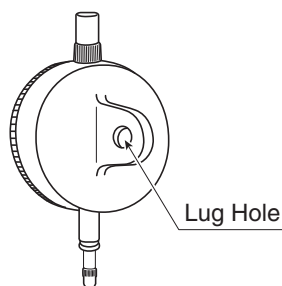
1 For mounting a Dial Gauge or instrument with a compatible mount. (Refer to Specifications column: "Dial Gauge Mounting" in Section 2.) With magnet ON/OFF Lever, for positioning and removal.

※For Lug-Type Dial Gauge, (SB-80P/SB-6B) ⇒ refer to **2** below.

※For Stem mounting of Dial Gauge ⇒ refer to **3** below.

※For Dovetail mounted indicator, (SB-80F/SB-100G/MB-7) ⇒ refer to **4** below.

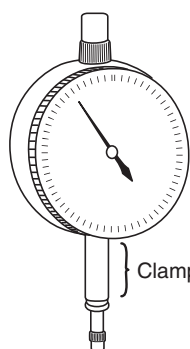
2 For Installing Lug-Type Dial Gauge



Mount the Lug to the threaded post of the Adapter Pin, and secure with the nut.

3 For Mounting the Dial Gauge by the Stem

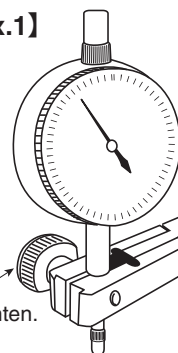
※Please do not tighten the Gauge Clamp too strongly.



※Clamp can be secured anywhere along the Stem.

Clamp region

【Mounting Ex.1】



※Loosen the Gauge Clamp Knob, insert the Gauge and secure Clamp on the Stem.

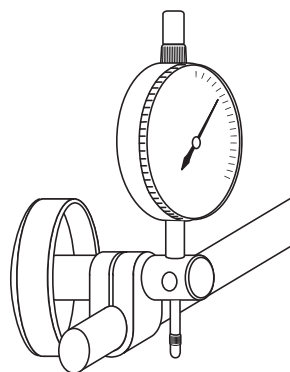
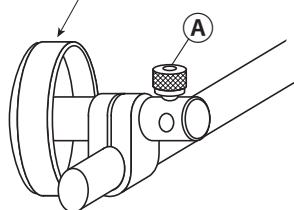
Caution:

Only clamp on the Clamp Region of the Stem. Clamping on any other area will damage the Dial Gauge.

Note)
Do not over tighten.

【Mounting Ex.2】

※The Adapter Pin (A) is removed and the Dial Gauge is inserted in its place. The Gauge Clamp Knob is used to secure the Gauge.

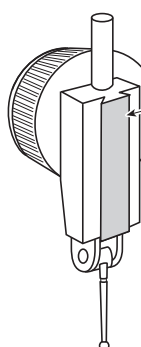


※Setup as shown, tighten the Gauge Clamp Knob to secure.

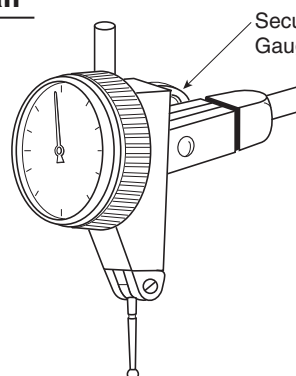
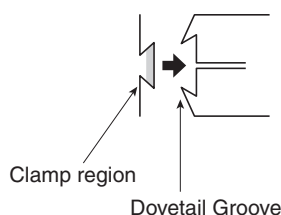
Caution:

Only clamp on the Clamp Region of the Stem. Clamping on any other area will damage the Dial Gauge.

4 For Mounting an Indicator Gauge using the Dovetail



Clamp region



Secure by tightening the Gauge Clamp Knob.

After mounting the measuring instrument, adjust the Main Post and Arm to desired position by loosening and adjusting the clamps.

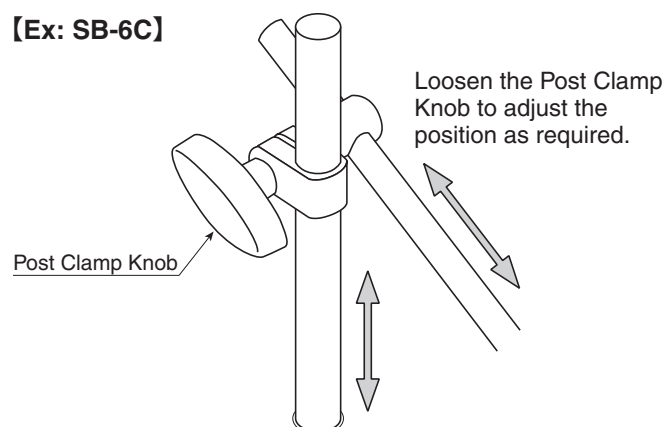
※SB-6C/SB-6B/SB-80P/SB-25M ⇒ refer to [5] for adjustment procedure.

※SB-100G/MB-7 ⇒ refer to [6] for adjustment procedure.

※SB-80F ⇒ refer to [7] for adjustment procedure.

5 For SB-6C/SB-6B/SB-80P/SB-25M

【Ex: SB-6C】

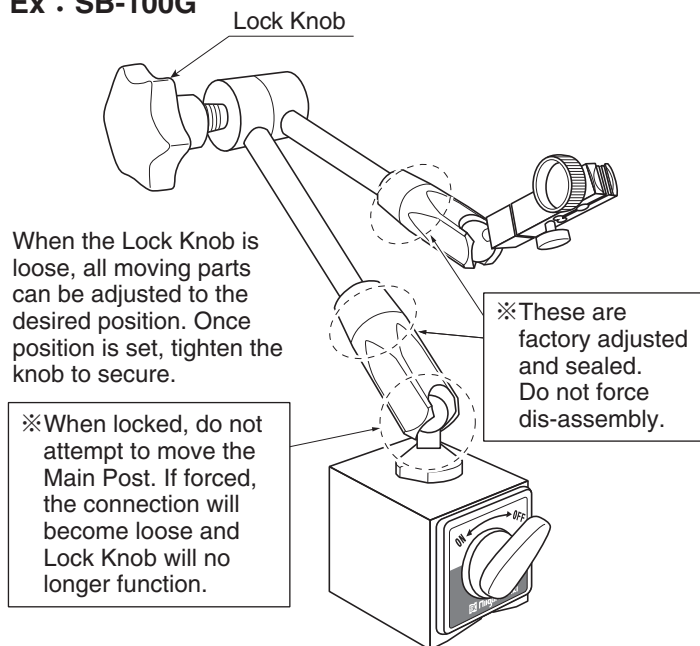


Loosen the Post Clamp Knob to adjust the position as required.

Post Clamp Knob

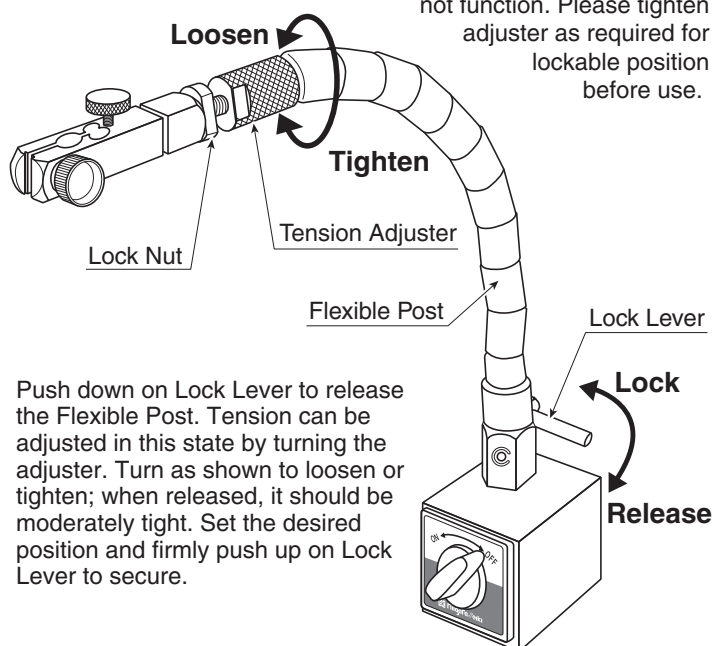
6 For SB-100G/MB-7

Ex : SB-100G



7 For SB-80F

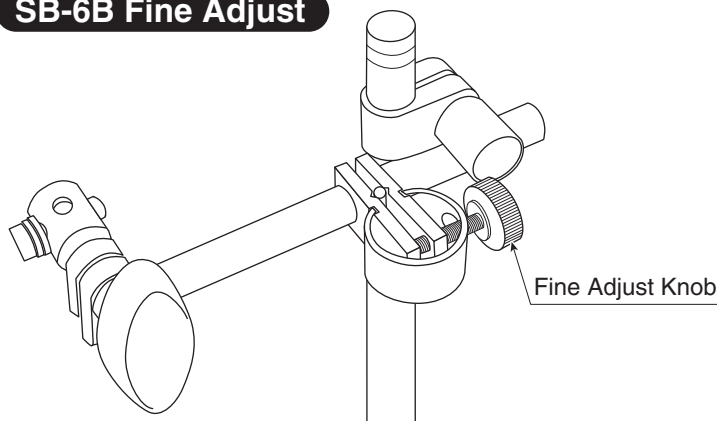
※Upon delivery, adjustment will be loose and Lock Lever will not function. Please tighten adjuster as required for lockable position before use.



8 Final step - Fine Adjust. (SB-6B/SB-100G/SB-80F)

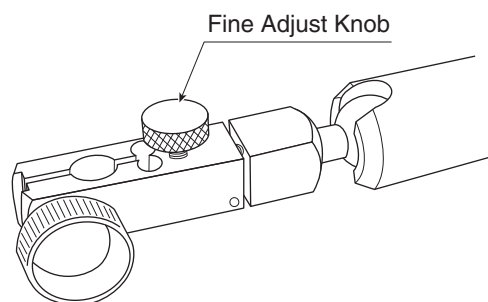
Fine-tune the position as shown in the diagrams below.

SB-6B Fine Adjust



By turning the Knob right or left, you can change the angle of the Arm tip.

SB-100G/SB-80F Fine Adjust



By turning the Knob right or left, you can change the angle of the Clamp tip.

5 STORAGE

●Strong magnetic fields are present.

- Store in the OFF position. Storage in ON position may cause accident by inadvertent attraction if brought near a metal object during storage.

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