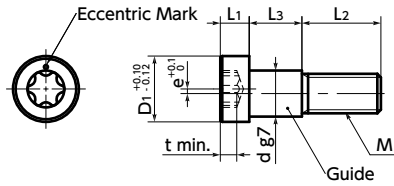
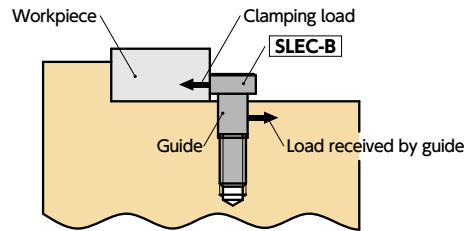


# SLEC-B Clamping Screws (Guide type/Ferrosferric Oxide Film)

WEB Selection Tool WEB CAD Download



- Since the precision - processed guide receives the clamping load, durability during clamping is increased.



### Material/Finish



	SLEC-B
Main Body	SCM435 Ferrosferric Oxide Coating
Strength Class	10.9

### Related Products

**SLEC-B-EL** Electroless Nickel Plating

➔ P.xxxx

Clamping Screw with Eccentric Head, which does not have a guide section below the head is available.

**SLEC-A** Ferrosferric Oxide Film



**SKX** Hexalobular Wrench

➔ P.xxxx



**SKX-N** Hexalobular Wrench for Extremely Limited Access Spaces

➔ P.xxxx



- When the screw is tightened, the workpiece is strongly clamped by the head, which is decentered from the shaft center of the screw. The wedge effect creates a large clamping force with low tightening torque.
- The hexalobular\*1 shape can withstand high tightening torque.
  - ➔ P.xxxx
- Use a dedicated wrench **SKX** for mounting and removing.
- Use the **SKX-N** hexalobular wrench for extremely limited access spaces for mounting and removing in tight spaces.
- Suitable for fixing linear guideway rails. As the decentered head presses the linear guideway rail against the installation reference surface, precision can be easily achieved when mounting. Also, mounting accuracy is maintained by suppressing warping and misalignment caused by long-term use.

- **SLEC-B-EL** is an electroless nickel plating type. For applications that require corrosion resistance.

\*1: The hexalobular shape is prescribed by JIS B 1015: 2008(ISO 10664: 2005)"Hexalobular internal driving feature for bolts and screws".

### Application

Fixing linear guideway rails / Fixing workpieces and jigs / Fine positional adjustment of heavy objects

### Part number specification

## SLEC-M6-B



Part Number	M(Coarse) Nominal of Thread	Pitch	D1	L1	L2	d	L3	e	Applicable wrench	Hexalobular Scket No.	t	Mass (g)	Qty per pack
<b>SLEC-M3-B</b>	M3	0.5	6.8	2.5	6	3.35	4	0.4	SKX-10	10	1	0.82	1
<b>SLEC-M4-B</b>	M4	0.7	7	3	7	4.5	5	0.4	SKX-15	15	1.2	1.9	1
<b>SLEC-M5-B</b>	M5	0.8	8.5	4	10	5.5	6	0.4	SKX-20	20	1.5	3.3	1
<b>SLEC-M6-B</b>	M6	1	10	4	12	6.5	8	0.5	SKX-25	25	2	6	1
<b>SLEC-M8-B</b>	M8	1.25	13	5	16	8.5	9	0.8	SKX-30	30	2.5	14.3	1

Unit : mm

Individual Sales ➔ P.xxxx | Cleanroom Wash & Packaging ➔ P.xxxx | Screw Length Adjustment ➔ P.xxxx | Vibration Resistant ➔ P.xxxx | Modification process for captive use ➔ P.xxxx

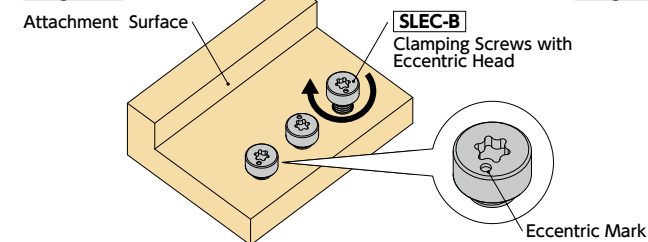
### Installation Dimensions

Part Number	E	M	B H8	Adjustment Range min. / max.	Unit : mm s max.
<b>SLEC-M3-B</b>	3.1 <sup>+0.3</sup> <sub>0</sub>	M3	3.35	-0.1 / 0.7	3.3
<b>SLEC-M4-B</b>	3.15 <sup>+0.3</sup> <sub>0</sub>	M4	4.5	-0.05 / 0.75	4.1
<b>SLEC-M5-B</b>	3.9 <sup>+0.3</sup> <sub>0</sub>	M5	5.5	-0.05 / 0.75	5.3
<b>SLEC-M6-B</b>	4.65 <sup>+0.3</sup> <sub>0</sub>	M6	6.5	-0.15 / 0.85	5.5
<b>SLEC-M8-B</b>	6.05 <sup>+0.5</sup> <sub>0</sub>	M8	8.5	-0.35 / 1.25	7

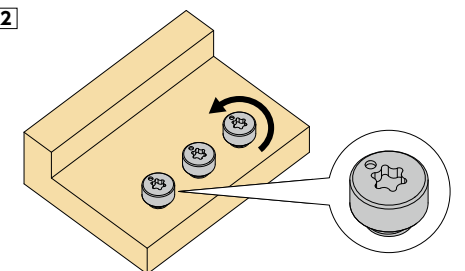
### Installation Method

- 1 Screw the clamping screws with eccentric head into the screw holes until the head bearing surface lightly touches the surface **Diagram 1**. At this time, the positions of the eccentric marks do not have to be aligned.
- 2 Loosen the clamping screws with eccentric head so that the eccentric marks reach the position in **Diagram 2**.
- 3 Loosen the clamping screws with eccentric head further so that the eccentric marks reach the position in **Diagram 3**.

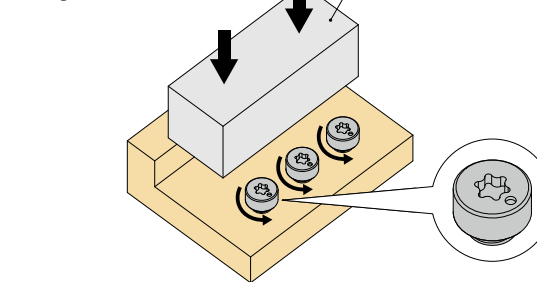
**Diagram 1**



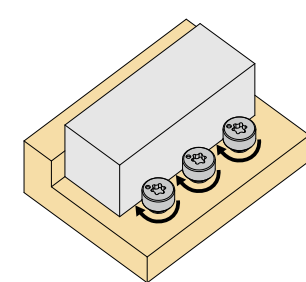
**Diagram 2**



**Diagram 3**

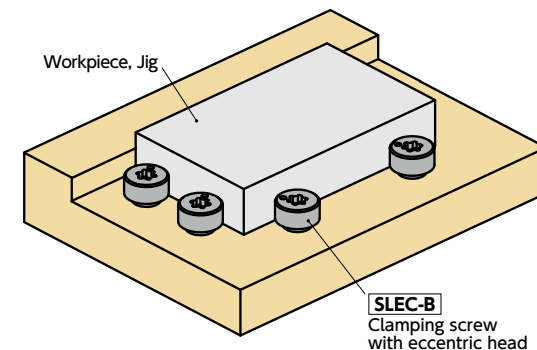


**Diagram 4**



### Usage example

Fixing workpieces and jigs.



### Recommended size of linear guideway rail

Nominal of Rail	Rail Width W	Applicable Clamping Screws with Eccentric Head	
#9	9	<b>SLEC-M3-B</b>	<b>SLEC-M4-B</b>
#12	12	<b>SLEC-M3-B</b>	<b>SLEC-M4-B</b>
#15	15	<b>SLEC-M3-B</b>	<b>SLEC-M4-B</b>
#20	20	<b>SLEC-M4-B</b>	<b>SLEC-M5-B</b>
#25	23	<b>SLEC-M5-B</b>	<b>SLEC-M6-B</b>
#30	28	<b>SLEC-M6-B</b>	<b>SLEC-M8-B</b>
#35	34	<b>SLEC-M8-B</b>	

- If the eccentric clamping bolt may interfere with the carriage, etc., avoid interference by lowering its mounting surface.
- When using in a linear guideway's bolts, press at the position of the linear guideway's bolts.