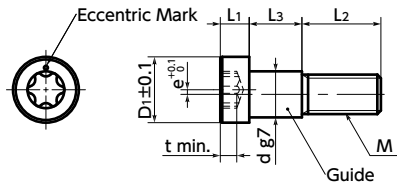
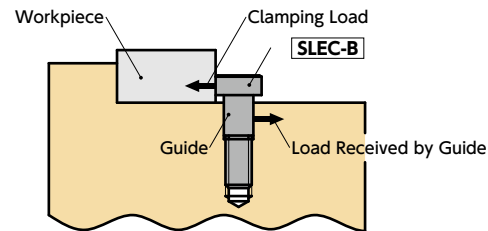


SLEC-B Clamping Screws with Eccentric Head with Guide

WEB Selection Tool WEB CAD Download



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



- 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 screw has a hexalobular socket* that can withstand high tightening torque. → P.712
- Install and remove by using SKX Special Key. → P.715
- SLEC-B-EL is electroless nickel (EN) plating type. It is intended for applications that require corrosion resistance.

Application

Fixing workpieces and jigs and fine positional adjustment of heavy objects

Material/Finish

RoHS Compliant

	SLEC-B	SLEC-B-EL
Main Body	SCM435 Ferrosferic Oxide Coating	SCM435 Electroless Nickel Plating
Strength Class	10.9	10.9

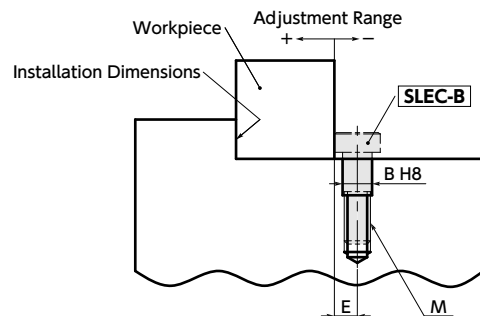
*The hexalobular shape is prescribed by JIS B 1015 : 2008 (ISO 10664 : 2005) "Hexalobular internal driving feature for bolts and screws".

SLEC-B	SLEC-B-EL	Common dimensions											Qty per pack
Ferrosferic oxide film	Electroless nickel plating												
Part Number	Part Number	M	D1	L1	L2	d	L3	e	Applicable wrench	Hexalobular Socket No.	t	Mass (g)	
SLEC-M3-B	SLEC-M3-B-EL	M3	6.8	2.5	6	3.35	4	0.4	SKX-10	10	1	0.82	1
SLEC-M4-B	SLEC-M4-B-EL	M4	7	3	7	4.5	5	0.4	SKX-15	15	1.2	1.9	1
SLEC-M5-B	SLEC-M5-B-EL	M5	8.5	4	10	5.5	6	0.4	SKX-20	20	1.5	3.3	1
SLEC-M6-B	SLEC-M6-B-EL	M6	10	4	12	6.5	8	0.5	SKX-25	25	2	6	1
SLEC-M8-B	SLEC-M8-B-EL	M8	13	5	16	8.5	9	0.8	SKX-30	30	2.5	14.3	1

Installation Dimensions

Unit : mm

Part Number	Part Number	E	M	B H8	Adjustment Range min. / max.
SLEC-M3-B	SLEC-M3-B-EL	3.1 ^{+0.3} ₀	M3	3.35	-0.1 / 0.7
SLEC-M4-B	SLEC-M4-B-EL	3.15 ^{+0.3} ₀	M4	4.5	-0.05 / 0.75
SLEC-M5-B	SLEC-M5-B-EL	3.9 ^{+0.3} ₀	M5	5.5	-0.05 / 0.75
SLEC-M6-B	SLEC-M6-B-EL	4.65 ^{+0.3} ₀	M6	6.5	-0.15 / 0.85
SLEC-M8-B	SLEC-M8-B-EL	6.05 ^{+0.5} ₀	M8	8.5	-0.35 / 1.25



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].
- 4 With the eccentric marks at the position in the [Diagram 3], insert the workpiece you wish to secure between the clamping screws with eccentric head and the attachment surface.
- 5 Tighten the clamping screws with eccentric head by clockwise turn. The heads press the workpiece into the attachment surface and secure the workpiece [Diagram 4].

Diagram 1

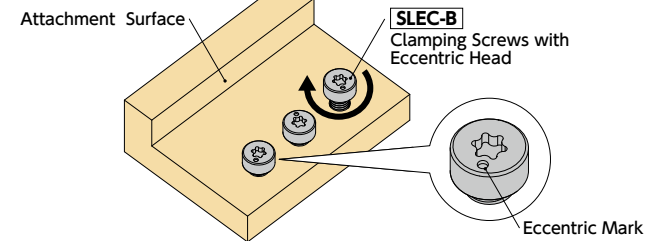


Diagram 2

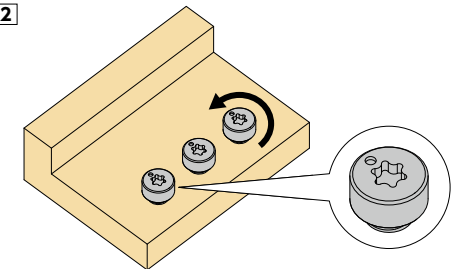


Diagram 3

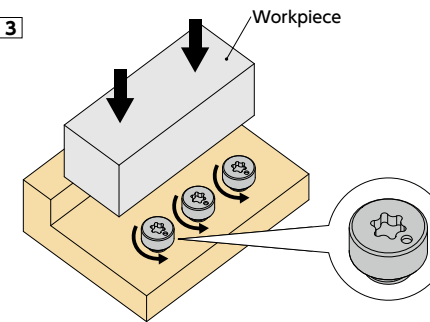
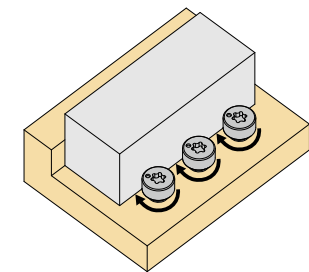
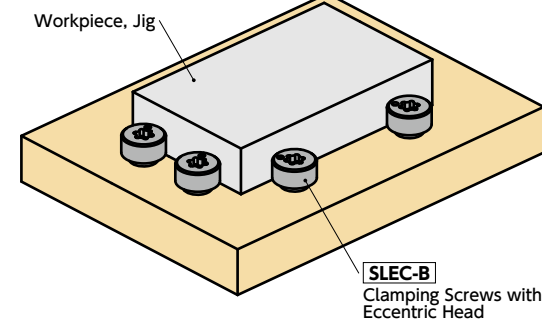


Diagram 4



Usage example

Fixing Workpiece and Jigs



Related Products

SLEC-A Clamping Screw with Eccentric Head, which does not have a guide section below the head is available. → P.694



Part number specification

SLEC-M6-B-EL

Individual Sales → P.794	Cleanroom Wash & Packaging → P.792	Screw Length Adjustment → P.796	Vibration Resistant → P.795	Modification process for captive use → P.791
1 unit in 1 bag	Available / Add'l charge	Not Available	Not Available	Not Available