

Types of Sine Bar Chucks

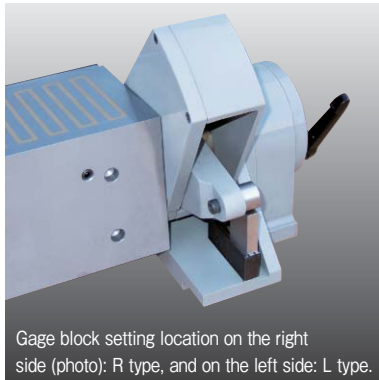
The sine bar chucks are used to set accurate angles of workpieces for highly precise grinding or as an inspection fixture. This is a type of chuck that utilizes angle setting by a sine bar and the chuck work face can be set to angles efficiently.

Feature

The sine bar chucks come in various types such as electromagnetic, water-cooling, permanent magnetic and in various sizes.

Type	Model	Features	Remarks
Rotary Type Electromagnetic Sine Bar Chuck	SBE-U	Dust cover provided for gage blocks	
Rotary Type Water-Cooling Electromagnetic Sine Bar Chuck	SBC-U	High precision water-cooling type	
Rotary Type Permanent Electromagnetic Sine Bar Chuck	SBEP-U	Momentary power application for minimized heat generation	
Permanent Electromagnetic Sine Bar Chuck	SBP-U	Dust cover provided for gage blocks	
Sine Bar Chuck Compound Type	SBP-R-LS	Thin compound type	
Sine Bar Chuck Single Type	SBP-R-S	Thin single type	
	SBP-R-L	Tilting in longitudinal direction	

※The permanent magnetic sine bar chuck comes with a gage block (for 0° setting) of 25.882 mm of JIS Class B.



Model SBE-U ROTARY TYPE ELECTROMAGNETIC SINE BAR CHUCK



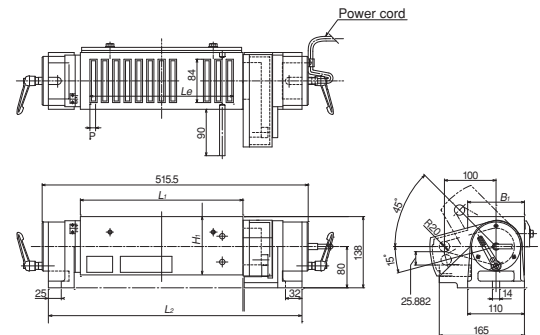
Chuck controller required additionally

[Application]

Suitable for high precision angle grinding of molds and jigs.

[Features]

- The gage block can be set on either the right side (R) or left side (L) to meet the rotating direction of the grinding wheel of the grinder.
- The chuck can be smoothly tilted and easily operated.
- An angle can be set finely by one try with the clamp system.
- The position can be changed and secured by pulling the lever in the axial direction.
- When the dustproof cover of the gage block is opened beyond about 60 degrees, it is locked to facilitate set-up and cleaning.



Model	Nominal Dimensions	Top Plate				Pole Pitch P	Length L ₂	Height			Tilting Angle	Angle Accuracy	Voltage	Current	Mass	Electro Chuck Master	Remarks
		B ₁	L ₁	L _e	H ₁			Min	Max								
SBE-1131UR-C	110(4.33) × 315(12.4)	110(4.33)	315(12.4)	278(10.9)	110(4.33)	11(3+8) 0.43 (0.11+0.31)	492(19.3)	135(5.31)	210(8.26)	-15°~+45°	0.007/100 max.	90 VDC	0.3A	36kg/ 79 lb	ES-M103B ES-M305B EH-V105D EH-V205D	※For models with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers."	
SBE-1131UL-C	110(4.33) × 315(12.4)	110(4.33)	315(12.4)	278(10.9)	110(4.33)	11(3+8) 0.43 (0.11+0.31)	492(19.3)	135(5.31)	210(8.26)	-15°~+45°	0.007/100 max.	90 VDC	0.3A	36kg/ 79 lb	ES-M103B ES-M305B EH-V105D EH-V205D	※For models with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers."	

※The model having a gage block setting area on the right side is indicated by "R" and that on the left side indicated by "L".

※The chuck controller and clamp parts are not included. The KANETEC chucks work best when a KANETEC chuck controller is used.

※A block gage (25.882 mm) for 0° is included. For the mechanism of angle setting, see the bottom part of page 45. The conversion table included with the product facilitates angle setting.

[mm (in)]

P17-P20