

SINE BAR CHUCKS

Model SBC-U TILT TYPE WATER-COOLED ELECTROMAGNETIC SINE BAR CHUCK



SBC-1131UFL-C

Environmentally friendly

Water cooled

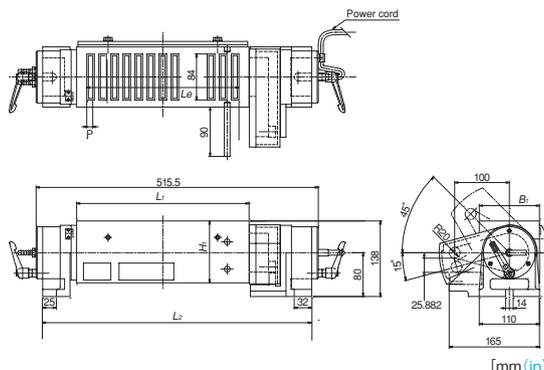
[Application]

Constructed to enable real-time internal cooling of heat generated when power is applied to the electromagnet, making these chucks suitable for higher precision grinding operation.

[Features]

- Change in accuracy is minimized by supplying coolant at a flow rate of 2 to 4 L/min to minimize coil heating.
- The mechanical functions and features are almost the same as those of Model SBE chucks.
- A resin-bonded structural face plate having little environmental burden is employed.

Chuck controller required additionally



Model	Nominal Size	Work Face				Pole Pitch P	Mounting Length L ₂	Height		Tilt Angle	Angle Accuracy	Voltage	Current	Mass	Electro Chuck Master	Remarks
		B ₁	L ₁	L _e	H ₁			Angle 0°, Min.	Cover fully open, Max.							
SBC-1131UFR-C	110(4.33) × 315(12.4)	110(4.33)	315(12.4)	278(10.9)	113(4.44)	11(3+8) 0.43 (0.11+0.31)	492(19.3)	138(5.43)	210(8.26)	-15° - +45°	0.007/100 max.	90 VDC	0.3A	36kg/79 lb	ES-M103B ES-M305B EH-V305A	※For models with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers." P17-P20
SBC-1131UFL-C	110(4.33) × 315(12.4)	110(4.33)	315(12.4)	278(10.9)	113(4.44)	11(3+8) 0.43 (0.11+0.31)	492(19.3)	138(5.43)	210(8.26)	-15° - +45°	0.007/100 max.	90 VDC	0.3A	36kg/79 lb	ES-M103B ES-M305B EH-V305A	

※The type having the gauge block setting area on the right side is indicated by "R" and that on the left side indicated by "L". ※A cooler unit is required additionally.
 ※The chuck controller and clamp parts are not included. The KANETEC chucks work best when a KANETEC chuck controller is used.
 ※A gauge block (25.882 mm) for 0° is included. For the mechanism of angle setting, see the bottom part on page 51. The conversion table included with the product facilitates angle setting.

Model SBEP-U TILT TYPE PERMANENT ELECTROMAGNETIC SINE BAR CHUCK



SBEP-1131UFR-C

Environmentally friendly

Power saving

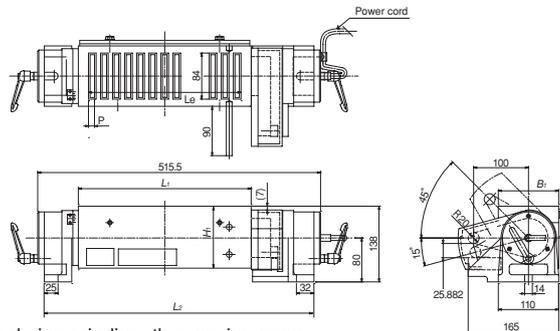
[Application]

These chucks are recommended for angle grinding of molds and jigs. Since magnetization is carried out by momentary power application, almost no heat is generated to make this model suitable for high precision grinding.

[Features]

- Electricity is applied momentarily. No electricity is required to maintain the holding power during grinding, thus saving energy.
- The holding power is maintained in the event of power failure during grinding, thus enhancing safety.
- The mechanical functions and features are almost the same as those of Model SBE.
- A resin-bonded structural face plate having little environmental burden is employed.

Chuck controller required additionally



Model	Nominal Size	Work Face				Pole Pitch P	Mounting Length L ₂	Height		Tilt Angle	Angle Accuracy	Voltage	Current	Mass	Electro Chuck Master
		B ₁	L ₁	L _e	H ₁			Angle 0°, Min.	Cover fully open, Max.						
SBEP-1131UFR-C	110(4.33) × 315(12.4)	110(4.33)	315(12.4)	278(10.9)	113(4.44)	11(3+8) 0.43(0.11+0.31)	492(19.3)	138(5.43)	210(8.26)	-15° - +45°	0.007/100 max.	90 VDC	2.1A	36kg/79 lb	EPS-215B
SBEP-1131UFL-C	110(4.33) × 315(12.4)	110(4.33)	315(12.4)	278(10.9)	113(4.44)	11(3+8) 0.43(0.11+0.31)	492(19.3)	138(5.43)	210(8.26)	-15° - +45°	0.007/100 max.	90 VDC	2.1A	36kg/79 lb	EPS-215B

※The type having the gauge 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 gauge block (25.882 mm) for 0° is included. For the mechanism of angle setting, see the bottom part on page 51. The conversion table included with the product facilitates angle setting.

Model SBP-R-UR TILT TYPE PERMANENT MAGNETIC SINE BAR CHUCK



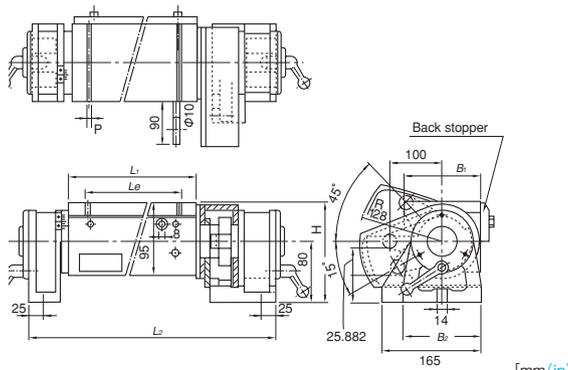
SBP-R1130UR-B

[Application]

Suitable for grinding molds and jigs including relatively small and thin ones that require high precision.

[Features]

- No electricity is needed, thus no heat is generated.
- The mechanical functions and features are almost the same as those of Model SBE.



Model	Nominal Size	Work Face			Pole Pitch P	Mounting Face		Height H	Height at Max. Tilt	Tilt Angle	Angle Accuracy	Mass
		B ₁	L ₁	L _e		B ₂	L ₂					
SBP-R1130UR-B	105(4.13) × 300(11.8)	105(4.13)	300(11.8)	256(10.0)	3(1+2) 0.11(0.03+0.07)	110(4.33)	477(18.7)	135(5.31)	210(8.26)	-15° - +45°	0.007/100 max.	35kg/77 lb

※A gauge block (25.882 mm) for 0° is included. For the mechanism of angle setting, see the bottom part on page 51. The conversion table included with the product facilitates angle setting.

ELECTROMAGNETIC CHUCK CONTROLLERS; PERMANENT MAGNETIC CHUCKS; PERMANENT MAGNETIC CHUCKS; BLOCKS FOR MC; VACUUM CHUCKS; PROMELTA*; SINE BAR CHUCKS; BLOCKS HOLDERS; HOLDING TOOLS; MEASURING TOOL HOLDERS; MAGNETIC HOLDERS; MAGNETIC TOOLS