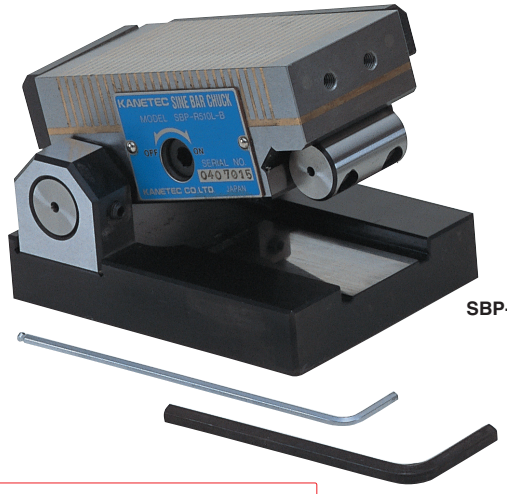
Model SBP-R•L MINI PERMANENT MAGNETIC SINE BAR CHUCK

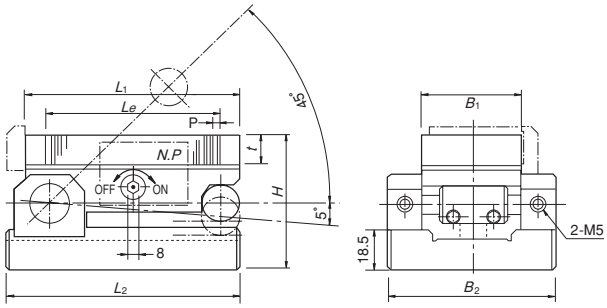


SBP-R510L-B

Gauge block not included.

[Application]
Designed for easy use in mold grinding and angle grinding of small workpieces.

[Features]
- Compact and simple construction for easy handling.
- The shaft can be secured to use this chuck for grinding operations also.
- The magnetic pole micro pitches on the chuck work face enable grinding of a wide range of workpieces from small workpieces to thick workpieces.



[mm (in)]

Model	Nominal Size	Work Face				Pole Pitch	Mounting Face		Height	Height at Max. Tilt	Tilt Angle	Angle Accuracy	Roller Center Distance	Mass
		B_1	L_1	t	Le	P	B_2	L_2	H					
SBP-R510L-B	45 (1.77) × 95 (3.74)	45 (1.77)	95 (3.74)	18 (0.70)	79 (3.11)	3(1+2) 0.11 (0.03+0.07)	75 (2.95)	103 (4.05)	62 (2.44)	(114) (4.48)	−5°-45°	0.007/100 max.	75 (2.95)	3kg/6.6 lb

※A hex wrench key is included. For the mechanism of angle setting, see the bottom part on this page. The conversion table included with the product facilitates angle setting.

Model SBP-R SMALL PERMANENT MAGNETIC SINE BAR CHUCK

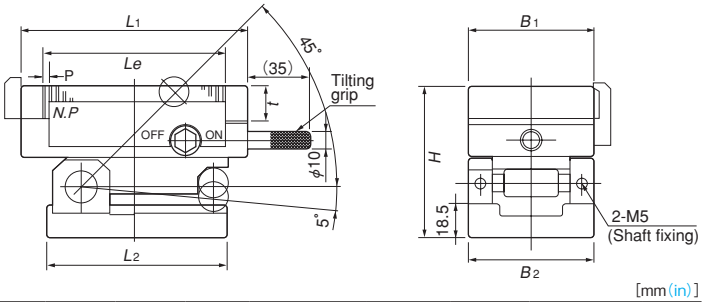
SBP-R713L-B

Gauge block not included.

Two types are available; longitudinal type (Model SBP-R713S) and lateral type (Model SBP-R713L) relative to the tilting angle. The accuracy and durability are equivalent to those of the single type permanent magnetic sine bar chuck.

[Application]
Easy to use for highly precise angle grinding on mold grinders, etc..

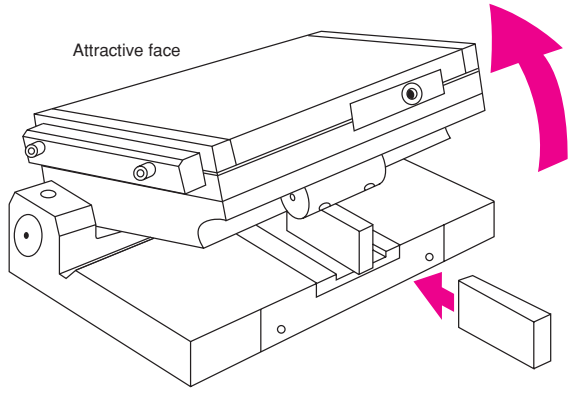
[Features]
- The magnetic pole micro pitches on the chuck work face enable grinding of a wide range of workpieces from small workpieces to thick workpieces.



[mm (in)]

Model	Nominal Size	Work Face				Pole Pitch	Mounting Face		Height	Height at Max. Tilt	Tilt Angle	Angle Accuracy	Roller Center Distance	Mass
		B_1	L_1	t	Le	P	B_2	L_2	H					
SBP-R713L-B	75 (2.95) ×130 (5.11)	75 (2.95)	130 (5.11)	18 (0.70)	103 (4.05)	3(1+2) 0.11 (0.03+0.07)	75 (2.95)	103 (4.05)	86 (3.38)	(124) (4.88)	−5°-45°	0.007/100 max.	75 (2.95)	7kg/ 15.5 lb
SBP-R713S-B	130 (5.11) × 75 (2.95)	130 (5.11)	75 (2.95)							(114) (4.48)				

※Gange blocks are not included. A hexagonal wrench key is included. For the mechanism of angle setting, see the bottom part of page. The conversion table included with the product facilitates angle setting.



■Mechanism of Angle Setting by Sine Bar Chuck

A gauge block is used for setting the angle.

An angle is obtained by the trigonometric function using the gauge block dimension as the vertical side (a) and the roller center distance (from the center of open/close fulcrum shaft to the center of reference bar on the open/close side) as the hypotenuse (c), as shown.

$$\sin\theta^\circ = \frac{a}{c}$$

Select an approximate value from the function table for θ°.

When using a certain angle repeatedly, a method is available which uses a special master gauge made to the dimension "a," which determines an angle, obtained from the function table in advance.