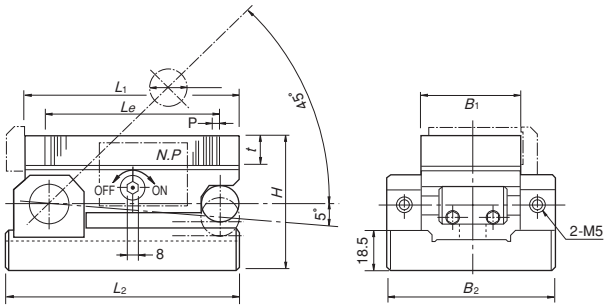
Model SBP-R·L SINE BAR CHUCK MINI TYPE

SBP-R510L-B

Gage 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.
●Micro pitches on the chuck work face for grinding workpieces in a wide range from small workpieces to thick workpieces.



[mm(in)]

Model	Nominal Dimensions	Top Plate				Pole Pitch	Mounting Section		Height	Height at Max. Tilting	Tilting Angle	Angle Accuracy	Roller's 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 hexagonal wrench key 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.

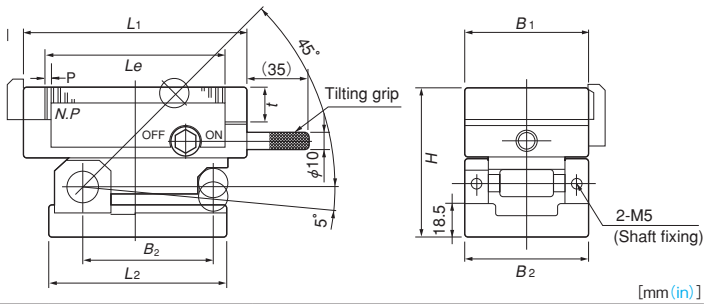
Model SBP-R SINE BAR CHUCK SMALL TYPE

SBP-R713L-B

Gage block not included.

Two types are available; as lengthy type (Model SBP-R713S) and breadth type (Model SBP-R713L) relative to the tilting angle.

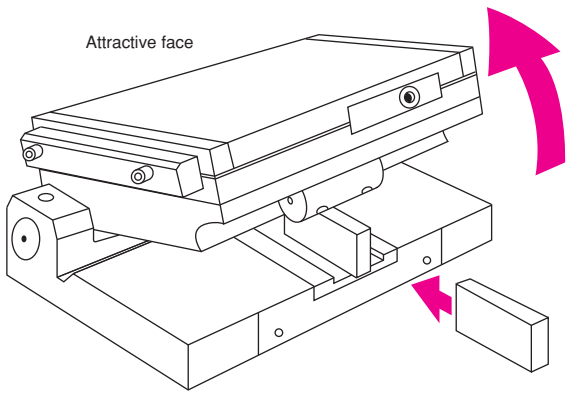
[Application]
Easily usable for anglegrinding for high precision on the mold grinder, etc.
[Features]
●Micro pitches on the chuck work face for grinding workpieces in a wide range from small workpieces to thick workpieces.



[mm(in)]

Model	Nominal Dimensions	Top Plate				Pole Pitch	Mounting Section		Height	Height at Max. Tilting	Tilting Angle	Angle Accuracy	Roller,s 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	106(4.17)	3(1+2)	75	103	86	(124) (4.88)	−5°—45°	0.007/100	75	7kg/
SBP-R713S-B	130(5.11)× 75(2.95)	130(5.11)	75(2.95)	(0.70)	106(4.17)	0.11(0.03+0.07)	(2.95)	(4.05)	(3.38)	(114) (4.48)		max.	(2.95)	15.5 lb

※Gange blocks are not included. A hexagonal wrench key 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.



■Mechanism of Angle Setting by Sine Bar Chuck

A gage block is used for setting the angle.

An angle is obtained by the trigonometric function using the gage 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 on the left.

$\mathrm{Sin}\theta^\circ = \frac{a}{c}$

Select an approximate value from the function table for θ°.
When using a special angle repeatedly, a method is available which uses a special master gage made to the dimension "a," which determines an angle, obtained from the function table in advance.