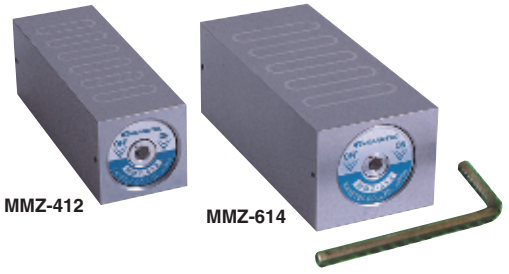
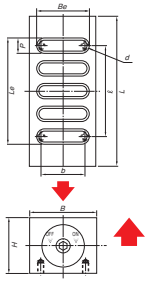
Model MMZ ONE-FACE HOLDING RECTANGULAR PERMANENT MAGNETIC MINI CHUCK





[Application]
These chucks are used in combination with a magnetic chuck as an auxiliary holding tool for irregularly shaped workpieces in grinding and light duty cutting.
These chucks are of drip-proof construction enabling them to hold workpieces in electric discharge machining fluid.

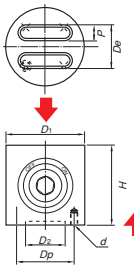
[Features]
- The magnetic force can be turned ON and OFF from either the front side or the rear side.
- The chucks can be used in fluid.

[mm(in)]

Model	Holding Power	Attractive Face				Pole Pitch	Mounting Face			Height	Handle Hole	Mass
		B	L	Be	Le	P	b	ℓ	d	H		
MMZ-412	105N(10.5kgf)	40(1.57)	115(4.52)	29(1.14)	84(3.30)	7.5(1.5+6) 0.29(0.05+0.23)	30(1.18)	75(2.95)	4-M5(0.19) depth 7(0.27)	40(1.57)	Nominal 6 (0.23)	1.3kg/2.8 lb
MMZ-614	400N(40kgf)	60(2.36)	135(5.31)	47(1.85)	92(3.62)	10 (2 +8) 0.39(0.07+0.31)	40(1.57)	80(3.15)	4-M6(0.23) depth 10(0.39)	50(1.96)		3.1kg/6.8 lb

※The holding power is based on a test piece of □50 × t25, S15C.

Model MMC ONE-FACE HOLDING ROUND PERMANENT MAGNETIC MINI CHUCK



[Application]
These chucks are used in combination with a magnetic chuck as an auxiliary holding tool for irregularly shaped workpieces in grinding and light duty cutting. (These chucks cannot be used in wet operations.) They can also be used for such applications as holding workpieces in advance to reduce the setup time. Thus they can be used for continuous grinding of small and thin workpieces.

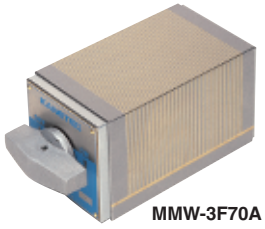
[Features]
- These chucks are of powerful type having a special construction using Alnico magnet steel.
- Small, but the magnetic force can be turned on and off.

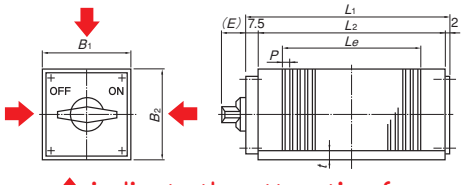
[mm(in)]

Model	Holding Power	Attractive Face		Pole Pitch	Mounting Face			Height	Handle Hole	Mass
		D_1	De	P	Dp	D_2	d	H		
MMC-5	85N(8.5kgf)	50(1.96)	29(1.14)	9.5(1.5+8) 0.37(0.06+0.31)	35(1.37)	25(0.98)	4-M5(0.19) depth 7(0.27)	50(1.96)	Nominal 8 (0.31)	0.7kg/1.5 lb
MMC-8	500N(50kgf)	80(3.15)	54(2.12)	10(2 +8) 0.39(0.08+0.31)	60(2.36)	50(1.96)	4-M6(0.23) depth 10(0.39)	65(2.55)		2.2kg/4.8 lb

※The holding power is based on a test piece of □50 × t25, S15C.

Model MMW THREE-FACE HOLDING PERMANENT MAGNETIC MINI CHUCK





[Application]
These chucks have three attractive faces and can be used in combination with a magnetic chuck. They are suitable for setting angles of small workpieces and angle grinding.

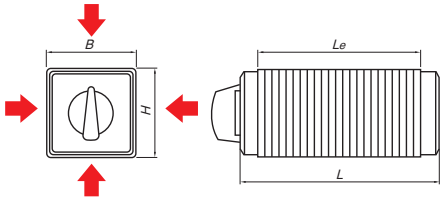
[Features]
- Since these chucks have three attractive faces, one face may be used for mounting the chuck and other faces for holding workpieces.
- They have magnetic poles arranged at micro pitches to hold small workpieces.
- Drip-proof construction.

[mm(in)]

Model	Nominal Size	Holding Power	Dimensions							Pole Pitch	Squareness	Parallelism	Mass
			B_1	B_2	L_1	L_2	E	Le	t	P			
MMW-3F50A	55(2.16)×115(4.52)	600N(60kgf)	55(2.16)	55(2.16)	125.5 (4.94)	115 (4.52)	20.5(0.80)	90.5 (3.56)	10 (0.39)	1.5(0.5+1.0) 0.05(0.02+0.03)	0.01	0.02	2.8kg/6.2 lb
MMW-3F70A	70(2.75)×115(4.52)	900N(90kgf)	70(2.75)	70(2.75)			25.5(1.00)						4.0kg/8.8 lb

※ The holding power is based on a test piece of □50 × t25, S15C, ground surface, with nothing held on other faces.
※Note that when workpieces are held on two or more faces simultaneously, the holding power of each face drops.

Model MMXW FOUR-FACE HOLDING PERMANENT MAGNETIC MINI CHUCK



[mm(in)]

[Application]
These chucks are suitable for holding workpieces in such operations as grinding, boring, cutting, welding and assembly. Since four faces can hold workpieces simultaneously, they can be used as a magnet vice in a wide range of applications.

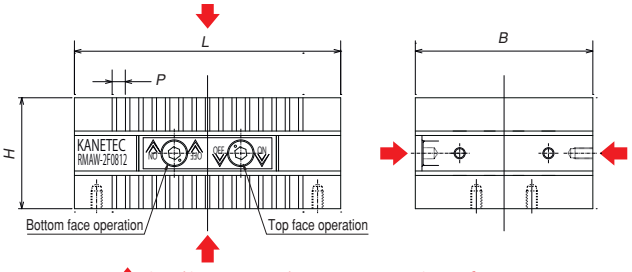
[Features]
- These are unique universal mini chucks capable of holding workpieces on four faces.
- They can be used in such a way as to hold workpieces on the bed of a machine tool or holding workpieces on the top and side faces simultaneously. They can also be used as a guide stopper to secure workpieces.
- The accuracy is as follows: flatness 0.01 mm, parallelism 0.02 mm, squareness 0.03 mm.

Model	Holding Power		Dimensions			Pole Pitch	Height	Mass
	2nd face after holding on one whole face	4th face after holding on three whole faces	B	Le	L		H	
MMXW-611A	400N(40kgf) or over.	60N(6kgf) or over.	64 (2.52)	112 (4.40)	136 (5.35)	4(2+2) 0.15(0.07+0.07)	64 (2.52)	3.5kg/ 7.7 lb

※ The holding power is based on a test piece of □50 × t25, S15C, ground surface, with nothing held on other faces.
※Note that when workpieces are held on two or more faces simultaneously, the holding power of each face drops.

Model RMAW-2F TWO-FACE HOLDING BLOCK FOR SMALL WORKPIECE

RMAW-2F0812



indicates the attractive face.

Most powerful 2-face holding block!

[Application]

Suitable for holding workpieces in various operations such as grinding and light duty cutting, measurement and assembly work.

[Features]

- The strongest holding power among small permanent magnetic types. Furthermore, by making the pole pitch finer, this model holds small and thin workpieces firmly. This model is also effective for holding relatively large workpieces that cover the whole attractive face.
- The top and bottom faces can be turned on and off individually. It can be set easily on the machine table or work table to shorten the setup time.
- Since a workpiece can be held on its side face, workpieces can be held vertically or on three faces. ※When a workpiece is held on the top face or bottom face and the side face simultaneously, the holding power of each face drops.
- By using tapped holes on three side faces and bottom face, stoppers and fixtures can be mounted.

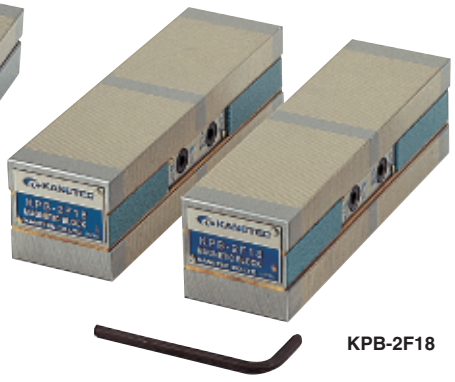
[mm(in)]

Model	Holding Power	Dimensions			Pole Pitch	Mass
		B	L	H	P	
RMAW-2F0812	785N(80kgf)	80 (3.15)	120 (4.72)	50 (1.96)	6(2+4) 0.23(0.07+0.15)	3.7kg/ 8.15 lb

※The holding power is the largest value obtained using a test piece of □50 × t25, S15C.

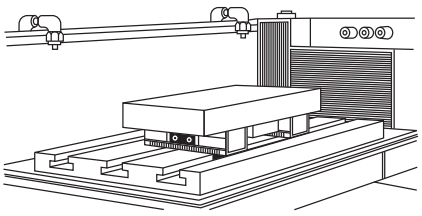
Model KPB DOUBLE-FACE/SINGLE-FACE HOLDING PERMANENT MAGNETIC BLOCK

KPB-1F18



KPB-2F18

An example of using double-face holding block



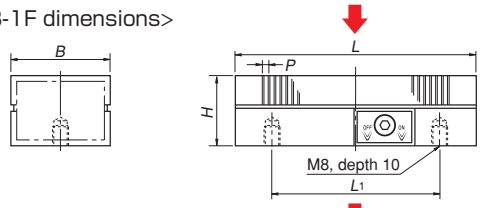
[Application]

These blocks can hold workpieces during electric discharge machining and grinding. They can also be used as holding tools for assembly and light duty machining.

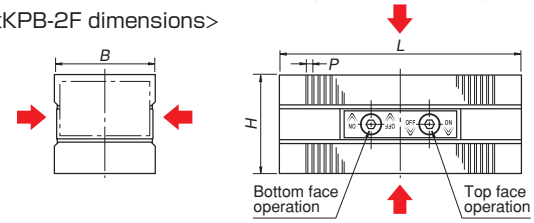
[Features]

- The both sides can hold workpieces and can be turned on and off individually. (2F type)
- They are secured to the work table by turning on and off the magnet. (2F type)
- The side faces (ON/OFF switchover face) can also hold workpieces. (2F type)
- They are secured to the work table using tapped holes provided on the mounting face. They can also be secured by having them held by a magnetic chuck. (1F type)
- The operation part is provided on both side faces to facilitate on/off operation.
- Light weight for easy positional adjustment.
- The operating handle is detachable and does not hinder the work.
- One set of two blocks has been machined and finished together.
- They are of drip-proof and oil-resistant construction to allow them to be used in fluid.

<KPB-1F dimensions>



<KPB-2F dimensions>



indicates the attractive face.

Single face type

[mm(in)]

Model	Nominal Size	Holding Power	Dimensions				Pole Pitch	Mass
			B	L	H	L1	P	
KPB-1F13	50(1.96)×125(4.92)	250N(25kgf)	52 (2.04)	125(4.92)	35 (1.37)	85(3.34)	1.5(0.5+1.0) 0.05(0.02+0.03)	1.5kg/3.3 lb×2
KPB-1F18	50(1.96)×180(7.08)	350N(35kgf)		180(7.08)		110(4.33)		2.2kg/4.8 lb×2
KPB-1F25	50(1.96)×250(9.84)	500N(50kgf)		250(9.84)		150(5.90)		3.1kg/6.8 lb×2

※The holding power is based on a test piece of SS400, 20 mm thick (ground surface) held on the whole face.

Double face type

[mm(in)]

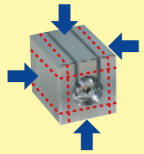
Model	Nominal Size	Holding Power	Dimensions			Pole Pitch	Mass
			B	L	H	P	
KPB-2F13	50(1.96)×125(4.92)	250N(25kgf)	52 (2.04)	125(4.92)	50 (1.96)	1.5(0.5+1.0) 0.05(0.02+0.03)	2.5kg/ 5.5 lb×2
KPB-2F18	50(1.96)×180(7.08)	350N(35kgf)		180(7.08)			3.6kg/ 8.0 lb×2
KPB-2F25	50(1.96)×250(9.84)	500N(50kgf)		250(9.84)			5.0kg/11.1 lb×2

※The holding power is based on a test piece of SS400, 20 mm thick (ground surface) held on the whole face.

Model KM-JB SWITCHABLE PERMANENT MAGNETIC HOLDER

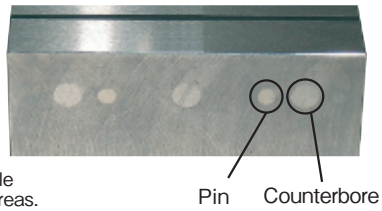
Suitable as exclusive fixing jig for round steel bars and irregularly shaped workpieces!

Additional work allowed area.
(Top/bottom/right/left)
Additionally workable up to 10 mm on each face.



※ However, avoid making a hole in the pin and counterbore areas.

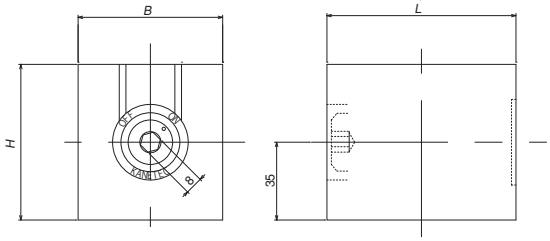
KM-JB side face



[Application]
In addition to using these holders as a fixing jig for small workpieces, they can be used as a block to support 3 points of a workpiece during grinding.

[Features]
- Each face can be worked additionally for up to 10mm. (The on/off operation face and rear face are excluded.)
- By using these holders as exclusive jigs for a particular workpiece, the work efficiency is improved.
- As these holders are of drip-proof construction, they can be used in liquid such as during electric discharge machining.

indicates the attractive face.



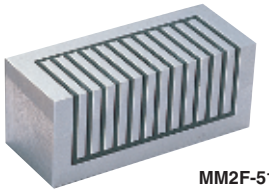
[mm (in)]

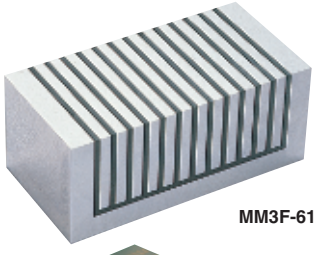
Model	Holding Power	Dimensions B	Dimensions L	Dimensions H	Mass
KM-JB0709	392N (40kgf)	65 (2.55)	85 (3.34)	70 (2.75)	2.5kg/ 5.5 lb
KM-JB0812	883N (90kgf)	80 (3.14)	120 (4.72)	90 (3.54)	5.5kg/12.1 lb

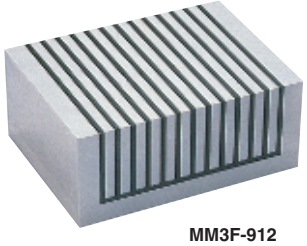
※The holding power is based on a test piece of □50 × t25, S15C. ※A hex wrench key is included.

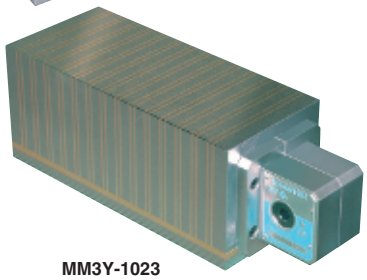
Model MM FREE BLOCK

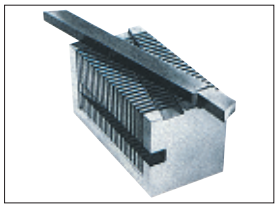
Freely workable permanent magnetic block

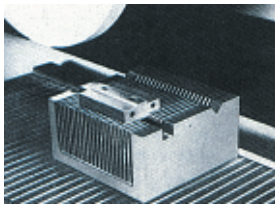

MM2F-512


MM3F-612


MM3F-912


MM3Y-1023

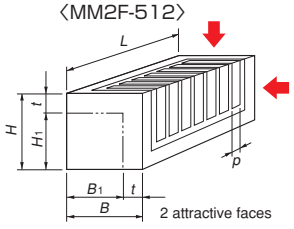




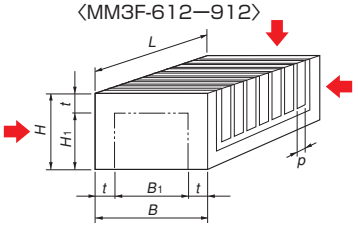
[Application]
These blocks are designed to allow deep engraving such as grooves and steps on the attractive face to fit workpiece shapes when holding workpieces.

[Features]
- The attractive face can be removed up to 10 mm deep from the surface of the new block.
- As workpieces can be fitted in grooves, a large machining pressure can be used. Also cemented carbide workpieces, which are difficult to hold by a magnetic chuck, can be secured by using these blocks to enable grinding.
- These blocks can be mounted on the magnetic chuck work face.
- There are two types; a magnetic force ON-OFF type and a type not equipped with an ON-OFF function.

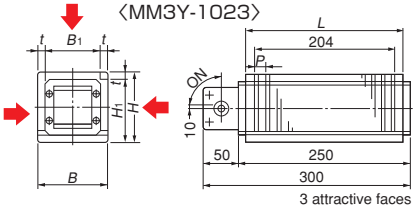
〈MM2F-512〉



〈MM3F-612—912〉



〈MM3Y-1023〉



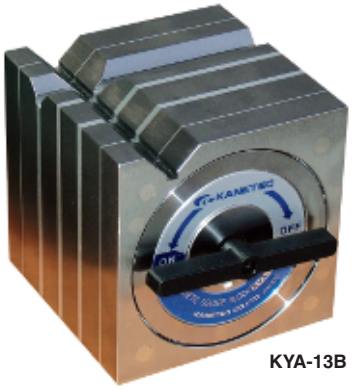
indicates the attractive face.

[mm (in)]

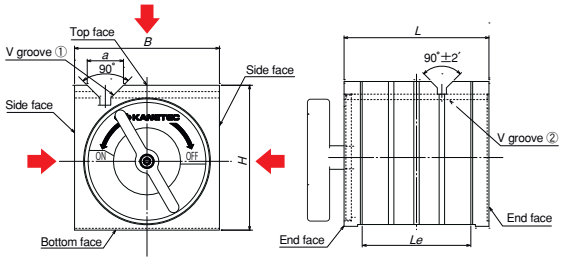
Model	Nominal Size	Holding Power	Dimensions B	Dimensions L	Dimensions H	Dimensions B1	Dimensions H1	Pole Pitch P	Work Allowance t	Mag. Force ON/OFF	Mass
MM2F- 512	50 (1.96) × 120 (4.72)	200N (20kgf)	50 (1.96)	120 (4.72)	50 (1.96)	40 (1.57)	40 (1.57)	8 (3+5) 0.31 (0.11+0.19)	Max.10 (0.39)	Not provided	2kg/ 4.4 lb
MM3F- 612	60 (2.36) × 120 (4.72)	400N (40kgf)	60 (2.36)								2.5kg/ 5.5 lb
MM3F- 912	90 (3.54) × 120 (4.72)	600N (60kgf)	90 (3.54)			70 (2.75)					3.5kg/ 7.7 lb
MM3Y-1023	100 (3.93) × 230 (9.05)	750N (75kgf)	100 (3.93)	230 (9.05)	100 (3.93)	80 (3.15)	90 (3.54)	15.2 (0.59)		Provided	20kg/ 44 lb

※The holding power is a reference value obtained using a test piece of S15C, □50 × t25, ground surface.
※Note that when workpieces are held on two or more faces simultaneously, the holding power of each face drops.

Model KYA SQUARE TYPE BLOCK



KYA-13B



indicates the attractive face.

[Application]
Holding tools for marking and light duty machining. Holding tools for three-dimensional measuring instruments and various measuring systems.

[Features]
- Workpieces can be held on three faces of the top (V face) and both side faces.
- The ON/OFF lever is detachable. (The length of the opposite sides of the hex hole is 8 mm.)
- Drip-proof and oil-resistant construction.
- An M8 tapped hole is provided on the top for lifting (KYA-18 and 20B only).
- Ultra-precision finishing is also available. Please contact us.

[mm(in)]

Model	Holding Power		Applicable Diameter		Dimensions					Mass
	V groove①	V groove②	V groove①	V groove②	B	H	L	Le	a	
KYA- 8B	120N(12kgf)	100N(10kgf)	φ10(0.39)－φ25(0.98)	φ 8(0.31)－φ15(0.59)	80(3.14)	80(3.14)	80(3.14)	60(2.36)	20(0.78)	3.5kg/ 7.7 lb
KYA-10B	200N(20kgf)	120N(12kgf)	φ10(0.39)－φ35(1.37)	φ10(0.39)－φ30(1.18)	100(3.93)	100(3.93)	100(3.93)	72(2.83)	26(1.02)	7kg/ 15 lb
KYA-13B	300N(30kgf)	250N(25kgf)	φ10(0.39)－φ40(1.57)	φ10(0.39)－φ26(1.02)	125(4.92)	125(4.92)	125(4.92)	85.5(3.36)	30(1.18)	14kg/ 30 lb
KYA-15B	400N(40kgf)	400N(40kgf)		φ10(0.39)－φ38(1.49)	150(5.90)	150(5.90)	150(5.90)	107(4.21)	32(1.25)	23kg/ 50 lb
KYA-18B		300N(30kgf)	φ14(0.55)－φ50(1.96)	φ14(0.55)－φ50(1.96)	180(7.08)	180(7.08)	180(7.08)	123(4.84)	38(1.49)	37kg/ 81 lb
KYA-20B	650N(65kgf)	650N(65kgf)			200(7.87)	200(7.87)	200(7.87)	155(6.10)		51kg/112 lb

※The holding power is based on the V face and φ20 round steel bar. ※For accuracy, see the table below.
※Note that when workpieces are held on two or more faces simultaneously, the holding power of each face drops.

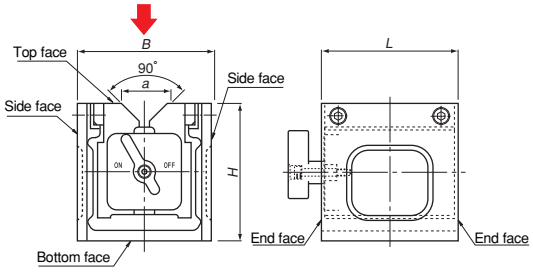
■KYA accuracy

(μm)

Item \ Model・Accuracy		KYA-8B		KYA-10B		KYA-13B		KYA-15B		KYA-18B		KYA-20B	
		Standard	Special	Standard	Special	Standard	Special	Standard	Special	Standard	Special	Standard	Special
Parallelism	Bottom face to top face	10	7	10	7	15	8	15	8	20	9	20	9
	Bottom face to V face												
	End face to end face					12		12		15			
	Side face to V face	20		20		25		25		30		30	
Flatness of bottom face		10		10		15		15		20		20	
Squareness	Bottom face to side face	20	10	20	10	25	12	25	12	30	14	30	14

Model KYB SQUARE TYPE BLOCK

KYB-13A



indicates the attractive face.

[Application]
Holding tools for marking and light duty machining. Holding tools for three-dimensional measuring instruments and various measuring systems.

[Features]
- A workpieces can be held on one face of the top (V face).
- The ON/OFF lever is detachable. (The length of the opposite sides of the hex hole is 8 mm.)
- Drip-proof and oil-resistant construction.
- Ultra-precision finishing is also available. Please contact us.

[mm(in)]

Model	Holding Power	Applicable Diameter	Dimensions				Mass
			B	H	L	a	
KYB- 8A	180N(18kgf) or over.	φ10(0.39)－φ32(1.25)	80(3.14)	80(3.14)	80(3.14)	29(1.02)	2.5kg/5.5 lb
KYB-10A	343N(35kgf) or over.	φ13(0.51)－φ50(1.96)	100(3.93)	100(3.93)	100(3.93)	40(1.57)	6kg/13 lb
KYB-13A	400N(40kgf) or over.		125(4.92)	125(4.92)	125(4.92)		8kg/17 lb
KYB-15A	589N(60kgf) or over.	φ14(0.55)－φ66(2.59)	150(5.90)	150(5.90)	150(5.90)	50(1.96)	12kg/26 lb
KYB-18A	600N(60kgf) or over.		180(7.08)	180(7.08)	180(7.08)		16kg/35 lb
KYB-20A	785N(80kgf) or over.		200(7.87)	200(7.87)	200(7.87)		22kg/48 lb

※The holding power is based on the V face and φ20 round steel bar. ※For accuracy, see the table below.

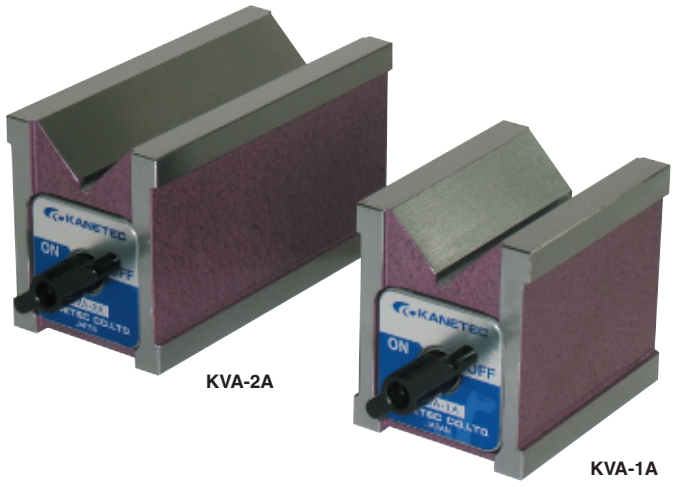
■KYB accuracy

(μm)

Item \ Model・Accuracy		KYB-8A		KYB-10A		KYB-13A		KYB-15A		KYB-18A		KYB-20A	
		Standard	Special	Standard	Special	Standard	Special	Standard	Special	Standard	Special	Standard	Special
Parallelism	Bottom face to top face	10	7	10	7	15	8	15	8	20	9	20	9
	Bottom face to V face												
	End face to end face					12		12		15		15	
	Side face to V face	20		20		25		25		30		30	
Flatness of bottom face		10		10		15		15		20		20	
Squareness	Bottom face to side face	20	10	20	10	25	12	25	12	30	14	30	14

■The dimensional accuracy of KYA and KYB is based on KANETEC in-house standards. If you require higher accuracy, please contact us.

Model KVA MAGNETIC V-HOLDER



KVA-2A

KVA-1A

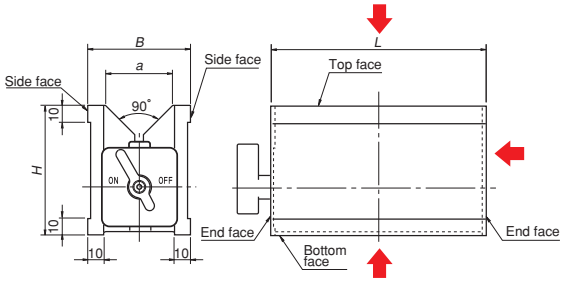
[Application]

Holding tools for round bar marking, drilling, tapping and grinding of irregularly shaped workpieces.

Holding tools for three-dimensional measuring instruments and various measuring systems.

[Features]

- Workpieces can be held on the top face (V face), bottom face and rear face.
- The ON/OFF lever is detachable. (The length of the opposite sides of the hex hole is 8 mm.)
- Drip-proof and oil-resistant construction.
- Ultra-precision finishing is also available. Please contact us.



indicates the attractive face.

[mm (in)]

Model	Holding Power	Applicable Diameter	Dimensions				Mass
			B	H	L	a	
KVA-1A	300N (30kgf) or over.				80 (3.14)		2kg/4.4 lb
KVA-2A	450N (45kgf) or over.	φ8 (0.31) – φ50 (1.96)	60 (2.36)	73 (2.87)	125 (4.92)	38 (1.49)	3kg/6.6 lb
KVA-3A	700N (70kgf) or over.				180 (7.08)		4.5kg/10 lb

※The holding power is based on the V face and φ20 round steel bar. ※For accuracy, see the table below.
※Note that when workpieces are held on two or more faces simultaneously, the holding power of each face drops.

Model KVA-2F TWO-FACE HOLDING V-HOLDER

First in the industry!

The top and bottom faces can be turned ON/OFF independently!

KVA-2F1A

An example of usage

ON/OFF lever detachable

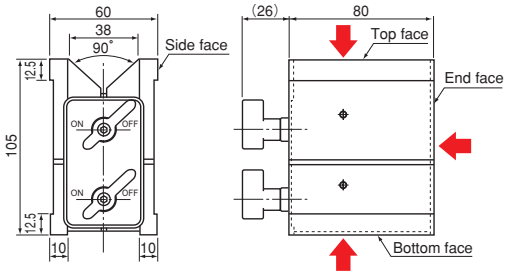
[Application]

A holding tool in a wide range of applications such as round bar marking and cutting.

Also usable as a holding tool for measurement on an iron surface plate.

[Features]

- Only the workpiece can be mounted/demounted without changing the holder fixing position, improving the work efficiency.
- The ON/OFF lever is detachable. (The length of the opposite sides of the hex hole is 8 mm.)
- Drip-proof and oil-resistant construction.
- Ultra-precision finishing is also available. Please contact us.



indicates the attractive face.

[mm (in)]

Model	Holding Power	Applicable Diameter	Dimensions			Mass
			Width	Height	Length	
KVA-2F1A	392N (40kgf) or over.	φ8 (0.31) – φ50 (1.96)	60 (2.36)	105 (4.13)	80 (3.14)	3.2kg/7.0 lb

※The holding power is based on the V face and φ20 round steel bar. ※For accuracy, see the table below.

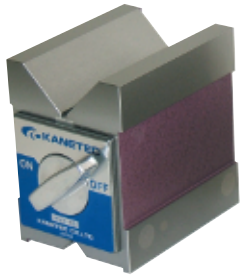
KVA accuracy

(μm)

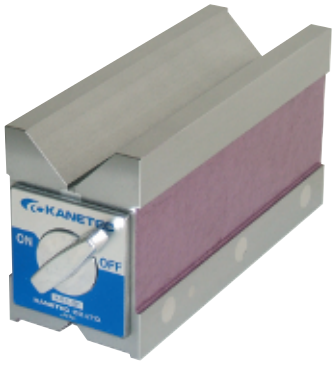
Item	Model・Accuracy	KVA-1A		KVA-2A		KVA-3A		KVA-2F1A	
		Standard	Special	Standard	Special	Standard	Special	Standard	Special
Parallelism	Bottom face to top face	10	7	15	8	20	9	10	7
	Bottom face to V face								
	End face to end face			12		15			
	Side face to V face	20		25		30		20	
Flatness of bottom face		10		15		20		10	
Squareness	Bottom face to side face	20	10	25	12	30	14	20	10

■The dimensional accuracy of KVA and KVA-2F is based on KANETEC in-house standards. If you require higher accuracy, please contact us.

Model KVS MAGNETIC V-HOLDER



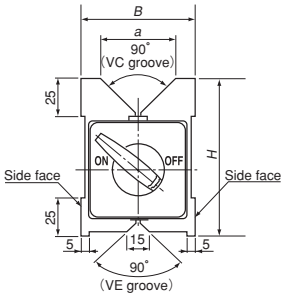
KVS-1B

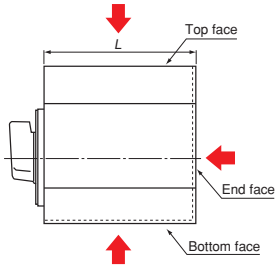


KVS-2B

[Application]
Suitable for securing irregularly shaped workpieces for grinding and light duty cutting such as drilling and tapping.

[Features]
- The special construction exerts a strong magnetic force on three faces of top, bottom and end.
- Usable for inspection also. Two accuracy grades; standard and special are available.
- The magnetic force can be turned on and off easily by turning the lever.
- Drip-proof construction.





indicates the attractive face.

[mm (in)]

Model	Holding Power	Applicable Diameter		Dimensions				Mass
	Steel bar	VC groove	VE groove	B	a	L	H	
KVS-1B	0.7kN (70kgf)	φ8 (0.31) – φ68 (2.67)	φ8 (0.31) – φ20 (0.78)	75 (2.95)	50 (1.96)	100 (3.93)	105 (4.13)	4.5kg/ 9.9 lb
KVS-2B	1.0kN (100kgf)					200 (7.87)		9.0kg/19.8 lb

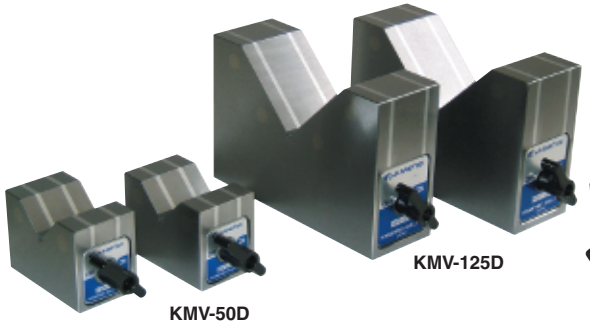
※The holding power is based on φ20 round steel bar. ※For accuracy, see the table below.
※Note that when workpieces are held on two or more faces simultaneously, the holding power of each face drops.

KVS accuracy

(μm)

Item	Model・Accuracy	KVS-1B Standard	KVS-1B Special	KVS-2B Standard	KVS-2B Special
Parallelism	Bottom face to top face	12	7	20	12
	Bottom face to VC groove				
	Top face to VE groove				
	Side face to side face				
Squareness	Bottom face to side face	21	10	21	15

Model KMV MAGNETIC V-BLOCK



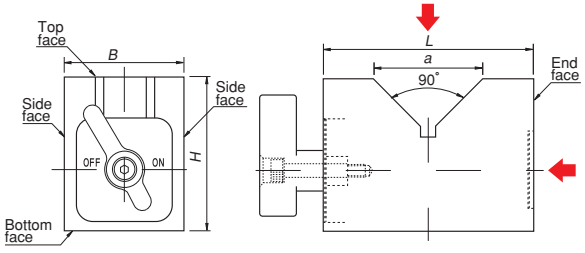
KMV-50D

KMV-125D

KMV-80D

[Application]
Holding tools for round bar marking and drilling.
Holding tools for three-dimensional measuring instruments and various measuring systems.

[Features]
- Workpieces can be held on the top face (V face) and end face.
- The ON/OFF lever is detachable. (The length of the opposite sides of the hex hole is 8 mm.)
- Drip-proof and oil-resistant construction.
- Two blocks make one set.
- Ultra-precision finishing is also available. Please contact us.



indicate the attractive face.

[mm (in)]

Model	Holding Power	Applicable Diameter	Dimensions B	Dimensions H	Dimensions L	Dimensions a	Mass
KMV- 50D	150N (15kgf) or over.	φ 8 (0.31) – φ 50 (1.96)	40 (1.57)	50 (1.96)	70 (2.75)	36 (1.41)	1kg/2.2 lb×2
KMV- 80D	200N (20kgf) or over.	φ 8 (0.31) – φ 80 (3.14)	50 (1.96)	80 (3.14)	100 (3.93)	60 (2.36)	3kg/6.6 lb×2
KMV-125D	230N (23kgf) or over.	φ 8 (0.31) – φ 125 (4.92)		100 (3.93)	150 (5.90)	90 (3.54)	5kg/ 11 lb×2

※The holding power is based on the V face and φ20 round steel bar. ※For accuracy, see the table below.
※Note that when workpieces are held on two or more faces simultaneously, the holding power of each face drops.

KMV accuracy

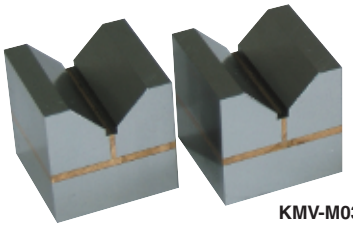
(μm)

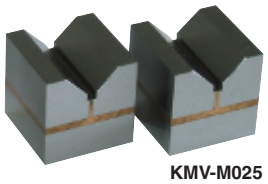
Item	Model・Accuracy	KMV-50D Standard	KMV-50D Special	KMV-80D Standard	KMV-80D Special	KMV-125D Standard	KMV-125D Special
Parallelism	Bottom face to top face	10	7	15	8	20	9
	Bottom face to V face						
	Side face to side face			12		15	
	End face to V face	20		25		30	
Flatness of bottom face		10		15		20	
Squareness	Bottom face to end face	20	10	25	12	30	14
Difference in height of V faces of one set of blocks		7		8			

※If you require higher accuracy, specify the required grade. ※If you require special accuracy on areas not listed in the table, please contact us.

■The dimensional accuracy of KVS and KMV is based on KANETEC in-house standards. If you require higher accuracy, please contact us.

Model KMV-M PERMANENT MAGNETIC MINI V-BLOCK


KMV-M032


KMV-M025


(Bottom face)

[Application]
These blocks are used to hold small-diameter round bars on optical measuring equipment. (Non-watertight type)
[Features]
●One set consists of two blocks. The attractive faces and other work faces have been finished precisely. The blocks can be turned ON and OFF by 90° turning using a screwdriver on the bottom face.

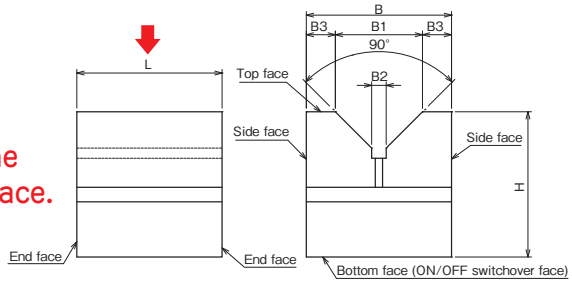
KMV-M accuracy

(μm)

Item	Model・Accuracy	KMV-M020	KMV-M025	KMV-M032
Parallelism	Bottom face to top face	10	10	10
	Bottom face to V face			
	Side face to side face			
	Side face to V face			
	End face to end face			
Flatness of bottom face		5	5	5
Squareness	Bottom face to side face	21	21	21
	Bottom face to end face			
	End face to V face			
Difference in height between V face and top face of one set of blocks		7	7	7

※If you require higher accuracy, please contact us.

▲ indicates the attractive face.

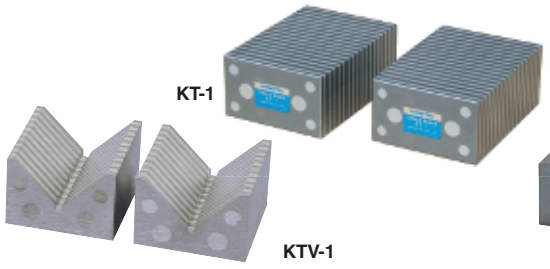


[mm(in)]

Model	Holding Power	Applicable Diameter	Dimensions B	B_1	B_2	B_3	H	L	Mass
KMV-M020	9.8N(1kgf)	φ15(0.59)	20(0.78)	12(0.47)	2.0(0.07)	4(0.15)	20(0.78)	20(0.78)	0.06kg/0.13 lb×2
KMV-M025	19.6N(2kgf)	φ20(0.78)	25(0.98)	15(0.59)	2.5(0.09)	5(0.19)	25(0.98)	25(0.98)	0.13kg/0.28 lb×2
KMV-M032	49 N(5kgf)	φ25(0.98)	32(1.25)	20(0.78)	3.0(0.11)	6(0.23)	32(1.25)	32(1.25)	0.24kg/0.53 lb×2

※The holding power is based on φ10 round steel bar. ■The dimensional accuracy of KMV-M is based on KANETEC in-house standards. If you require higher accuracy, please contact us.

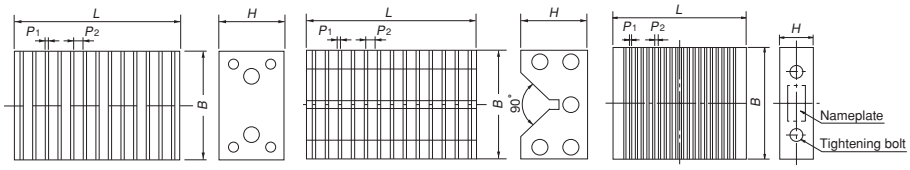
Model KT·KTV CHUCK BLOCK


KT-1

KTV-1

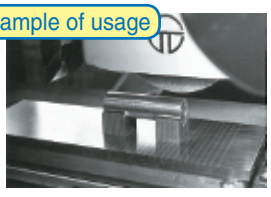

KT-4

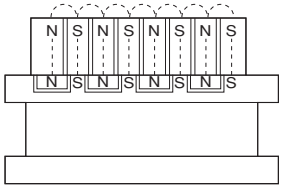
〈KT-1〉 〈KTV-1〉 〈KT-2、3、4〉



[Application]
These blocks are used in combination with a magnetic chuck as an auxiliary tool to hold round bars and sheet-like workpieces that are difficult to hold on the work face alone.
[Features]
●Since these blocks are not magnetized themselves, they are placed on a magnetic chuck to induce magnetism to hold workpieces. Magnetism can be induced on two faces of the top face and side face or the V face and side face.
●Workpieces of special shapes can also be held by use of chuck blocks, thus making it possible to utilize your chucks in stock.
●One set of two blocks has been finished together. (KT-3 and -4 are available individually.)

An example of usage





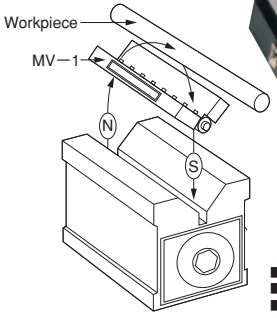
[mm(in)]

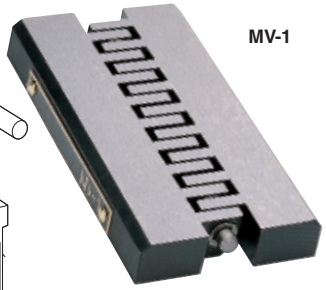
Model	Dimensions B	L	H	Pole Pitch P_1	P_2	Mass
KT-1	70(2.75)	100(3.93)	41(1.61)	3.2(0.12)	3.2(0.12)	2.0kg/4.4 lb×2
KT-2	45(1.77)	72(2.83)	22(0.86)	3(0.11)		0.37kg/0.8 lb×2
KT-3	125(4.92)	150(5.90)	38(1.49)		4.5(0.17)	5.4kg/12 lb
KT-4		304(11.9)		2(0.07)		11.7kg/25 lb
KTV-1	60(2.36)	65(2.55)	40(1.57)	3(0.11)	3.2(0.12)	0.78kg/1.7 lb×2

※KTV-1 applicable diameter: φ10–φ70 mm ※If you require additional working on the blocks, please contact us.

Model MV MINI V-ADAPTER

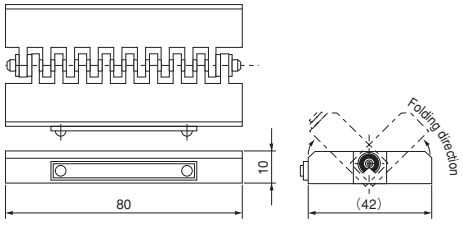
An example of usage




MV-1

■Model:MV-1
■Dimensions:80(3.14)×(42)(1.65)×10(0.39) mm(in)
■Mass:250 g/ 0.55 lb ■Parallelism:0.006 ■Hardened

[Application]
This adapter itself is not magnetic, but when it is placed on a V-holder having the N pole and S pole on separate sides like Model KVA, it induces magnetism to hold small diameter workpieces that cannot be physically mounted directly. (See the figure below.) This adapter is recommended for holding workpieces during grinding, drilling and measurement.



[Features]
●The attractive face can be set to any angle between 90 and 180 degrees.
●The hinge part acts as a separator to divide magnetic poles.