MAGNETIC BLOCKS

## Model KVS — MAGNETIC V-HOLDER

KVS-1B

KVS-2B
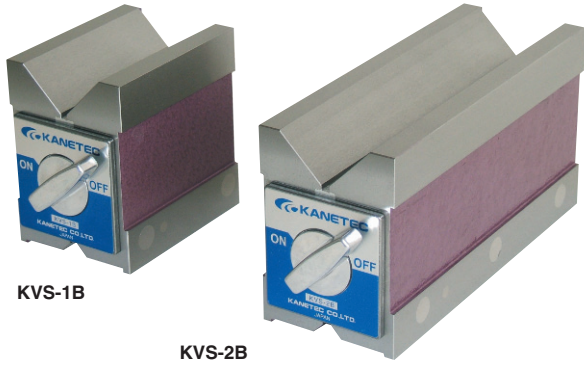
[Application]
It is to be used to fix such extra-ordinary shape work pieces under grinding, light milling for making holes and tapping.

[Features]
● The strong magnetic force works three faces of upper, bottom, edge (or, shorter side) by special structure.
● It can be used for inspection work. Standard and special class accuracy are available.
● As on/off operation of magnetic force can be easily done by switching lever.
● Drip-proof.

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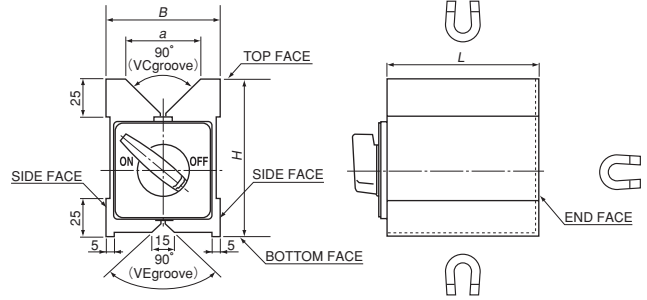
Model	Holding Power	Applicable Diameter		Dimensions				Mass
	Round Steel	VC groove	VE groove	B	a	L	H	
KVS-1B	0.7kN (70kgf)	φ8(0.31)~	φ8(0.31)~	75	50	100(3.93)	105	4.5kg/ 9.9 lb
KVS-2B	1.0kN(100kgf)	φ68(2.67)	φ20(0.78)	(2.95)	(1.96)	200(7.87)	(4.13)	9.0kg/19.8 lb

※The holding power applies to the V-face and φ20 round bar. ※For accuracy, see the table below.
※Please take note that attractive force on each face is reduced when a work piece is attracted on more than 2 faces at the same time.

■KVS accuracy

(μm)

Model /Accuracy		KVS-1B		KVS-2B	
Item		Standard	Special	Standard	Special
Parallelism	Bottom face to top face	12	7	20	12
	top 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

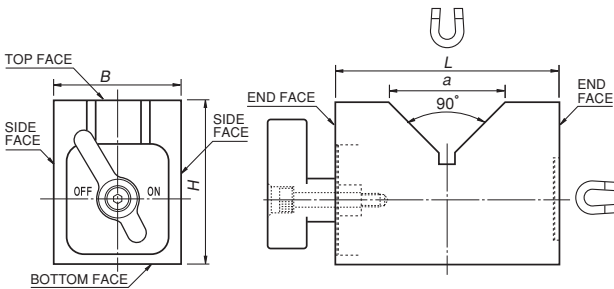**KMV-125D**

KMV-50D

KMV-80D

[Application]
Holding tools for round bar marking and drilling.
Holding tools for electric discharge machining and wire cutting.
Holding tools for three-dimensional measuring instruments and various measuring systems.

[Features]
● Workpieces can be held on the top face (V face), and rear face.
● T-handle ON/OFF switch comes attached, but can be removed.
● They are of waterproof and oilproof construction.
● One set consists of two blocks.
● Super high accuracy finish is also available. Please contact us.

[mm(in)]

Model	Holding Power	Applicable Diameter	Dimensions				Mass
			B	H	L	a	
KMV- 50D	150N(15kgf) or over	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 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	φ125(4.92)		100(3.93)	150(5.90)	90(3.54)	5kg/ 11 lb×2

※ The holding power applies to the V-face and φ20 round bar. ※For accuracy, see the table below.

■KMV accuracy

(μm)

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

※When high accracy is required, select "special" accuracy models.
※In case the value of accuracy , which is not mentioned in the above table, please request us.

■The dimensional accuracy of KVS and KMV are based on Kanetec's in-house standard. When you need higher accuracy, please contact us.