## MINI CHUCKS

0

Top face operation

[mm(in)]

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



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

- •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.

<KPR-1F dimensions

•They are of drip-proof and oil-resistant construction to allow them to be used in fluid.

				_			KPB-2F18		NFB-1F dimensions/	
Sing	le face type	Э						[mm(in)]	B	P
Model	Naminal Cina	Holding	Dimensions				Pole Pitch	Mana	[]	
Wodel	Nominal Size	Power	В	L	Н	L1	P	Mass	ı ı ı ı ı ı ı ı ı ı ı ı ı ı ı ı ı ı ı	
KPB-1F13	50 (1.96) ×125 (4.92)	250N (25kgf)		125 (4.92)	·	85 (3.34)		1.5kg/ 3.3 lb ×2	L \$   - J	
KPB-1F18	50 (1.96) ×180 (7.08)	350N (35kgf)	(35kgf) 52 (2.04)	180 (7.08)	35 (1.37)	110 (4.33)	1.5 (0.5+1.0) 0.05 (0.02+0.03)	2.2kg/ 4.8 lb ×2		<u> </u>
KPB-1F25	50 (1.96) ×250 (9.84)	500N (50kgf)		250 (9.84)	(1.01)	150 (5.90)		3.1kg/ 6.8 lb ×2		ļ <del>.</del>
*The holding	power is based on a test p	piece of SS400, 2	<kpb-2f dimensions=""></kpb-2f>							
				-					<u>B</u>	la .
Dou	ble face typ									
	DIC IGOC LYP	ie						[mm(in)]		
		Holding		Dimen	sions		Pole Pitch			
Model	Nominal Size		В	Dimen	sions	Н	Pole Pitch	[mm(in)] Mass	•	Ξ 🚉
		Holding		125 (4	<u>_</u>		P		<b>→</b>	
Model	Nominal Size	Holding Power	- 52	125 (4	<u>(</u> 4.92)	H 50 (1.96)		Mass	•	Ξ 🚉

250 (9.84)

# indicates the attractive face

KPB-2F25 50 (1.96) ×250 (9.84)

### ONE-FACE HOLDING RECTANGULAR PERMANENT MAGNETIC MINI CHUCK



500N (50kgf)

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.

- •The magnetic force can be turned ON and OFF from either the front side or the rear side.
- The chucks can be used in fl uid.

	[1111/11/1												
	Model	Holding	ding Attractive Face		Pole Pitch	Mounting Face			Height	Handle	Mass		
		Power	В	L	Be	Le	Р	b	l	d	Н	Hole	iviass
	MMZ-412A	300N (30kgf)	40 (1.57)	115 (4.52)	29 (1.14)	86 (3.38)	15 (1.5+8+1.5+4) 0.59 (0.05+0.31+0.05+0.15)	30 (1.18)	65 (2.55)	4-M5 (0.19) depth 7 (0.27)	40 (1.57)	Nominal 6	1.3kg/ 2.8 lb
	MMZ-614A	800N (80kgf)	60	135 (5.31)	44 (1.73)	92	19.5 (2+10+2+5.5) 0.76 (0.07+0.39+0.07+0.21)	42 (1.65)	72 (2.83)	4-M6 (0.23) depth 10 (0.39)	50 (1.96)	(0.23)	3.1kg/ 6.8 lb

\*The holding 800N (80kgf) power is based on a test piece of 50 × t25, S15C

Mode

MMW-3F70A

### ONE-FACE HOLDING ROUND PERMANENT MAGNETIC MINI CHUCK



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

- •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

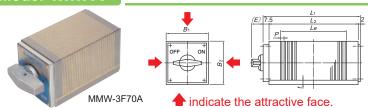
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Model	Holding Power	Attractive Face		Pole Pitch	Mounting Face			Height	Handle	Mass		
		D1	De	P	Dp	D2	d	Н	Hole	maoo		
MMC-5	85N (8.5kgf)	50 (1.96)	29 (1.14)	9.5 (1.5+8) 0.37 (0.06+0.31)	35 (1.37)	25 (0.98)	4-M5 (0.19) depth 7 (0.27)	50 (1.96)	Nominal 8	0.7kg/ 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)	(0.31)	2.2kg/ 4.8 lb		

### THREE-FACE HOLDING PERMANENT MAGNETIC MINI CHUCK

Ba

55 (2.10

70 (2



55 (2.16

70 (2.75

Holdina

600N (60kgf)

900N (90kgf)

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

- 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.

Pole Pitch Squareness Parallelism Mass Le 20.5 (0.80) 90.5 10 (0.39 1.5 (0.5+1.0) 2.8kg/ 6.2 lb 0.010.02 25.5 ( 4.0kg/ 8.8 lb

Nominal Size

70 (2.75) ×115 (4.52)

MMW-3F50A 55 (2.16) ×115 (4.52)

Dimensions

115

125.5